Notify Senator Dworshak's Office when F.T. report is received.

WLC.

will do this when denial goes out.

DMEA Form 9
(Rev. 5/57)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E No.____

DMEA NO. 4754

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(~~Withdrawn~~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

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

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

Royalty Audits 1/
Certification of Discovery
Cost Audits 2/
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Application and attachments
Envelope for maps

Right Side

Project summary
Work completed analysis
All other material filed in chronological order including the following reports if checked:

Field Team Semi-Annual Report for Certified Project
Final Field Team Report (Tab)
Operator's Final Report (Tab)
Interim Field Team Reports
Operator's monthly reports and all attachments
✓ On-site Exam Report (Tab)
Settlement Sheets
Drill Logs

Additional Folders:

Left Side

Folder No.____:
Analysis of Semi-Annual Inspection Reports
Interim Summary Reports by DMEA Engineers

Right Side

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

Folder No.____: Maps (Use pocket folder or envelope.)

Folder No.____: Settlement Sheets

Folder No.____: Drill Logs

Folder No.____: Royalty material

1/ Or reports of royalty review
2/ Or cost reports of review

16592

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAY-31 195
DATE | INITIALS | CODE

May 29, 1957

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

Re: New Application (Uranium)
E-dah-how Uranium, Inc.
The Mother Lode, Donna Lou,
Ruth, Lemhi No. 3 group of claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed is the original and two copies of an application received from Mr. Weston W. Lowe of Salmon, Idaho.

Also enclosed are copies of leases on the Donna Lou group, the Lemhi No. 3 lode mining claim, the Ruth Nos. 1 through 11, and the Mother Lode mining claim.

Sincerely yours,

D. R. MacLaren

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

Enclosures

cc: USBM (2)
Geologist

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
Regulary No. 105
MAY 29 1957
U. S. G. S.
SPOKANE, WASH.

MAY 31 1957
RECEIVED
D.M.E.A.

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. 4754
Metal or Mineral URANIUM
Date Received 5-31-57
Estimated Cost NOT GIVEN
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: Weston W Lowe Salmon Ida.
Lehow Uranium inc - Idaho.
Weston W Lowe pres
64 Sargent Sec & treas.

(*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 Mathew Lowe. Book 6 page 582
Donna Lou - 13 thru 24 part of 3 & 12 Book 6
Ruth 1 thru 11 Book 6 - Pages 576 thru 581
Lemhi no 2 Book 6 - page 576

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

(*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 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) any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(c) The work will start within 7 days and be completed within 9 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☑ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 27, 1957

E-Doh-how-Uranium Inc.
Weston W Lowe
(Applicant)

By

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4- a.

The leased ground mentioned has been explored and the ore bodies has been exposed on two differenr leases, making it accessable for a quick and easy examination. I gridded the aera and supervised the operation.

b. No production. Ore reserve is in questionable quantities, several hundred tons exposed. Grade .12% average surface ore. High grade ore present.

c. B edded Ryolite, U308 intrusive lead. My reason for more exploration, thru reading, Ryolite came up in solution. If that is the case this one deposit which is in place near surface, exposed to time for many years, and having commercial values, the further back you go the better the ore grade. If we can develop the quality I think we have quanity. We have ore showing for over 3000 feet, width of 6 feet and better.

d. Access, temporary road completed. Trucking road about complete. Distance to shipping 100 miles.

e. Man power very good.

5. d. The applicant and supervisor of operations has had five (5) years experience in exploring and working with uranium in Utah, Arizona, New Mexico and Idaho. I have gridded, explored and developed ore bodies on present purposed DMEA for examination.

6. Thru 7- all in question.

These forms are not masterfully completed as you can read. Our main purpose for this is to have you come and examine our ground. If it has possibilities, we will rewrite to your specifications. Time is of the essence with us, for you people to approve or disapprove our property.

Hoping to see you soon,

E-DAH-HOW URANIUM INC.,

Weston W. Lowe

Weston W. Lowe, Pres.

OFFICIAL FILE COPY
DMEA
RECEIVED May 31-1957

DATE	INITIALS	CODE

ASSIGNMENT OF LEASE

KNOW ALL MEN That we, WESTON T. LOWE and ED SARGENT for and in consideration of Ten Dollars ($10.00) and other good and valuable consideration to us in hand paid by E-DAH-HOW URANIUM, INCORPORATED, an Idaho corporation, have sold, and do hereby assign, transfer, and set over unto said corporation, a certain lease, dated April 18, 1957, in which DARROLD T. JONES and EVELYN E. JONES, CLAIR KRAGAN and MARGARET M. KRAGAN, WILLIAM H. KRAGAN and VIRMA L. KRAGAN, CLARK KEELER and LORI NA KEELER, Lessors, and ED SARGENT and WESTON T. LOWE, Lessees, covering the following described unpatented lode mining claims situate in Lemhi County, State of Idaho, to-wit:

DONNA LOU GROUP Numbers 13, 14, 15, 16, 17, 18, 19, 20, 21, and portions of No. 3 and No. 12 South of 7-mile Creek, Lemhi County, Idaho, as appears in Book 6 of Mining Claims, Records of Lemhi County, Idaho.

TO HAVE AND TO HOLD The same unto E-DAH-HOW URANIUM, INCORPORATED, and its assigns from the date hereof for the remainder of the term mentioned in said lease and any renewal thereof, subject to the conditions and provisions therein also mentioned.

IN WITNESS WHEREOF, We have hereunto set our hands this 7th day of May, 1957.

STATE OF IDAHO)
) ss.
County of Lemhi)

On this 7th day of May, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared WESTON T. LOWE and ED SARGENT, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Notary Public for Idaho
Residing at Salmon, Idaho

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 31-1957

DATE	INITIALS	CODE

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 3 1957
DATE | INITIALS | CODE

MINING LEASE

THIS AGREEMENT, Made and entered into this 18th day of April, 1957, by and between DARROLD T. JONES and EVELYN E. JONES, husband and wife, CLAIR KRACAW and MARGARET M. KRACAW, husband and wife, WILLIAM H. KRACAW and WILMA L. KRACAW, husband and wife, CLARK KESLER and LOUIENA KESLER, husband and wife, hereinafter called "Lessors" and ED SARGENT and WESTON W. LOWE, hereinafter called "Lessees."

WITNESSETH: That Lessors, for and in consideration of the royalties, payments, covenants and agreements, hereinafter specified to be paid and performed by Lessees, have leased, let and demised, and by these presents do lease, let and demise unto Lessees, the following described mining property, situated in an unorganized mining district in the county of Lemhi, State of Idaho, to-wit:

> DONNA LOU GROUP Numbers 13, 14, 15, 16, 17, 18, 19, 20, 21, and portions of No. 3 and No. 12 South of 7-Mile Creek, Lemhi County, Idaho, as appear in Book 6 of Mining Claims, Records of Lemhi County, Idaho.

TO HAVE AND TO HOLD the above described claims for the purpose of mining for the period of five (5) years, commencing at 12:00 o'clock noon on the 15th day of April, 1957, and ending at 12:00 o'clock noon on the 15th day of April, 1962, unless sooner forfeited or terminated through the violation of any of the covenants and conditions herein contained; Lessees shall also have the privilege and option to renew this Lease for an additional term of five (5) years commencing at the expiration of the aforementioned term; said renewal term to be in accordance with the terms and conditions of this Lease; provided, that notice of election to renew said term shall be given by Lessees, or one of them, in writing by regular mail addressed to Lessors at the latest address left hereafter by each such Lessor with Ed Sargent, at Salmon, Idaho, at least thirty (30) days prior to the expiration of the first five-year term.

IT IS MUTUALLY AGREED BY THE PARTIES AS FOLLOWS:

1. Lessees will immediately enter in and upon said claims and work the same in a minerlike manner so as to take out the greatest amount of ore possible, with due regard to the development of said claims as a workable mining property.

2. Lessees shall sufficiently timber said mining claims at all points where proper and necessary in accordance with good and safe mining, and to repair all old timbering wherever it may become necessary.

3. Lessees shall allow Lessor, or their agents, from time to time, to enter upon and descend into all parts of said leased premises, for the purpose of inspection, surveys, or taking samples therefrom, and to render said parties proper assistance in making such inspection, surveys and examination.

4. Lessees shall occupy and hold as the property of Lessors to the extent of Lessors' respective interests in the claims involved, all cross and parallel lodes, spurs, and mineral deposits of every kind which may be uncovered, disclosed, or discovered within said leased ground by the said Lessees or any person or persons under or in privity with them, with privilege to said Lessees to mine and work the same as part and parcel of said premises.

5. Lessees shall, at all times, keep the drifts, shafts and tunnels and other workings well drained and clear of loose rock and corruption unless prevented by extraordinary mining casuality, or other Act of God.

6. Lessees shall post and keep posted on said premises notices to the effect that said mining claims and premises are operated by them as Lessees, and to comply with Section 44-501 and 44-502 of the Idaho Code relating to mining laborers.

7. Lessees shall not permit any liens of any kind or nature for labor or materials to be filed against said property, or any part thereof, and agree to hold andkeep the Lessors harmless from

any and all liability from such liens by them made or suffered.

8. Lessees shall comply with all federal and state laws and especially the Workmen's Compensation Law of the State of Idaho.

9. Lessees shall pay and discharge, when the same become due and payable, all taxes of whatsoever kind or nature levied, assessed or imposed upon and against improvements placed by the Lessees on said premises during the term hereof, and any and all taxes and assessments levied, assessed or imposedupon and against the ores and minerals or other values mined and extracted from said premises or any part thereof.

10. That the Lessee shall cause to be paid and delivered to the Lessors, or their order, a royalty or rent upon the herein described premises of twelve and one-half per cent (12½%) of the gross returns, which said gross returns shall be defined as the gross amount received from the sale of products from the mining premises, together with all amounts received as bonuses, U.S. WWL ~~inducement payments, transportation allowances, and any other form paid,~~ it being understood that Lessees will stand all costs of mining and the cost of transporting said products from mine to smelter, said 12½% royalty to be apportioned among the owners of said claims as follows:

D.T.J
C.K.

Ed Sargent	36%
Darrold T. Jones	11%
Clair Kracaw	44%
William H. Kracaw	4½%
Clark Kesler	4½%

at such addresses as shall be furnished the Lessees by the individual Lessors.

11. Lessees agree to attempt diligently to obtain the largest amount of government bonuses available for discovery and development of uranium properties under the U.S.incentive program.

11 A. It is further agreed that the Lessees will, from and after May 1st of 1958, guarantee that the Lessors shall receive

not less than the sum of Two Hundred Dollars ($200.00) per month income under this Lease from the royalties herein provided for and to insure such income the Lessees agree to pay at the end of each and every month commencing with May 31, 1958, for the month commencing May 1, 1958, to the Lessors, any sum up to $200.00 necessary to insure such $200.00 monthly income after consideration and credit to the Lessees of any royalties paid to the Lessors from proceeds of ore shipped; provided, however, that in the event the proceeds or the royalties to the Lessor shall average more than $200.00 a month from May 1, 1958, and thereafter, no payment of rents shall be due and owing under this guarantee; and provided further, that this guarantee provision shall be an absolute condition of the continuance of this Lease Agreement and in the event of the failure of the Lessees to pay any sum or sums due hereunder in the time and manner as herein specified, said Lease Agreement shall be void and of no force and effect and the Lessees shall be deemed to have surrendered said Lease and the Lessors, without further notice, shall be entitled to possession of said premises and may enter thereon, and the Lessees shall have no further rights, W.O.L. E.S. or obligations to Lessors OTHER THAN THOSE ALREADY ACCRUED under this Lease; provided further, that if this Lease is assigned by the Lessees herein, instead of a guaranteed sum of $200.00 per month, the guarantee shall become $400.00 per month and any assignee of said Lease by acceptance of such assignment guarantees the sum of $400.00 per month income as is hereinbefore provided in the sum of $200.00.

12. Lessees agree to keep books and records on all smelter returns, and on all mining, transportation and other expenses, which said books, it is agreed, will always be kept at a convenient place in Salmon, Idaho, and will be at all reasonable times available for the inspection of Lessors.

13. Lessees agree to save and keep Lessors harmless and indemnified against all claims and liabilities for personal

injuries sustained by anyone in the operation of said mining claims.

14. Lessees agree to do all assessment and other work necessary to properly hold said mining claims for the persons named in paragraph 10 hereinbefore and Ed Sargent, and to file and record, as required by law, the necessary proofs of such work.

15. It is specifically understood and agreed by and between the parties hereto that time is the essence of this agreement and in the event the Lessees fail to make any of the payments as herein provided, or fail to perform any of the covenants herein contained, then and in that event Lessors shall have the right to declare this agreement forfeited by giving a written notice to the Lessees by registered mail, specifying the particulars wherein this agreement is not being performed, and providing that unless the delinquent payment is made, or the failure to perform corrected within thirty (30) days from the mailing of such notice, this agreement shall be immediately forfeited and terminated. The service of said notice on said Lessees may be made by sending the same by registered mail to Ed Sargent, Salmon, Idaho, and no further notice shall be required. An Act of God and failure on the part of the Lessees to perform the terms and conditions hereof by reason thereof shall not be considered as a default of the terms, conditions and covenants of this Lease.

16. This agreement shall extend to and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the said parties have put their hands and seals hereto the day and year set forth in the acknowledgments

of their signatures.

Darrold T. Jones

Evelyn E. Jones

Clair Kracaw

Margaret M. Kracaw

William H. Kracaw

Wilma L. Kracaw

Clark Kesler

Louiena Kesler

LESSORS

Ed Sargent

Weston W. Lowe

STATE OF IDAHO)
: ss.
County of Bingham)

On this 18th day of April, 1957, before me, the undersigned, a Notary Public for Idaho, personally appeared Darrold T. Jones, and Evelyn E. Jones, husband and wife, Clair Kracaw and Margaret M. Kracaw, husband and wife, William Kracaw and Wilma L. Kracaw, husband and wife, and Clark Kesler and Louiena Kesler, husband and wif known to me to be the persons whose names are subscribed to the within and foregoing Mining Lease and duly acknowledged to me that they executed the same;

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for Idaho
Residing at Blackfoot, Idaho

(SEAL) My Commission Expires: 3-11-60

STATE OF IDAHO)
: ss.
County of Lemhi)

On this 25th day of April, 1957, before me, the undersigned, a Notary Public for Idaho, personally appeared Ed Sargent and Weston W. Lowe known to me to be the persons whose names are subscribed to the within and foregoing Mining Lease and duly acknowledged to me that they executed the same;

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for Idaho
Residing at Salmon, Idaho

(SEAL) My Commission Expires: 3-22-61

ASSIGNMENT OF LEASE

KNOW ALL MEN That we, WESTON W. LOVE and ED SARGENT for and in consideration of Ten Dollars ($10.00) and other good and valuable consideration to us in hand paid by E-DAH-HOW URANIUM, INCORPORATED, an Idaho Corporation, have sold, and do hereby assign, transfer, and set over unto said corporation, a certain lease, dated April 15, 1957, in which FRANK FOWLER, C. S. CHRISTENSEN and ESTELLA B. CHRISTENSEN, NED MEDLIN and MALINDA MEDLIN, CLINTON HOLMES, CHARLES MORRIS and LUCILLE F. MORRIS, RALPH SMITH and ROBERTA SMITH, CURTIS TUCKER and HENRIETTA TUCKER, Lessors, and ED SARGENT and WESTON W. LOVE, Lessees, covering the following described unpatented lode mining claims situate in Lemhi County, State of Idaho, to-wit:

A group consisting of eleven lode Mining Claims named and numbered as follows, and the location notices of which have been recorded on the official records of Lemhi County, Idaho, to which records reference is hereby made for a more particular description, to-wit:

Ruth	No.	1	Book	6	of	Mining	Claims,	at	page	576
"	"	2	"	"	"	"	"	"	"	577
"	"	3	"	"	"	"	"	"	"	577
"	"	4	"	"	"	"	"	"	"	578
"	"	5	"	"	"	"	"	"	"	578
"	"	6	"	"	"	"	"	"	"	579
"	"	7	"	"	"	"	"	"	"	579
"	"	8	"	"	"	"	"	"	"	580
"	"	9	"	"	"	"	"	"	"	580
"	"	10	"	"	"	"	"	"	"	581
"	"	11	"	"	"	"	"	"	"	581

TO HAVE AND TO HOLD The same unto E-DAH-HOW URANIUM, INCORPORATED, and its assigns from the date hereof for the remainder of the term mentioned in said lease and any renewal thereof, subject to the conditions and provisions therein also mentioned.

IN WITNESS WHEREOF, We have hereunto set our hands this _____day of May, 1957.

Weston W Love

_____

STATE OF IDAHO)
) ss.
County of Lemhi)

On this _____day of May, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared WESTON W. LOVE and ED SARGENT, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at Salmon, Idaho

OFFICIAL FILE COPY
DMEA
RECEIVED JUN
DATE | INITIALS | CODE

MINING LEASE

THIS AGREEMENT, Made and entered into this 15 day of April, 1957, by and between FRANK FOWLER, O. S. CHRISTENSEN and ESTELLA B. CHRISTENSEN, husband and wife, NED PEPPER and Maleta PEPPER, husband and wife, CLINTON HOLMES, CHARLES MORRIS and Lucille P. MORRIS, husband and wife, RALPH SMITH and ROBERTA SMITH, husband and wife, and CURTIS TUCKER and HENRIETTA TUCKER, husband and wife, hereinafter called "lessors", and ED SARGENT and WESTON W. LOWE, hereinafter called "lessees":

WITNESSETH:

That the lessors for and in consideration of the royalties, payments, covenants and agreements hereinafter specified to be paid and performed by lessees, have leased, let and demised, and by these presents do lease, let and demise unto lessees, certain mining claims situate in an unorganized mining district in Lemhi County, Idaho, and described as follows:

> A group consisting of eleven Lode Mining Claims named and numbered as follows, and the location notices of which have been recorded on the official records of Lemhi County, Idaho, to which records reference is hereby made for a more particular description, to-wit:

Ruth	No.	1	Book	6	of	Mining	Claims,	at	page 576
"	"	2	"	"	"	"	"	"	" 577
"	"	3	"	"	"	"	"	"	" 577
"	"	4	"	"	"	"	"	"	" 578
"	"	5	"	"	"	"	"	"	" 578
"	"	6	"	"	"	"	"	"	" 579
"	"	7	"	"	"	"	"	"	" 579
"	"	8	"	"	"	"	"	"	" 580
"	"	9	"	"	"	"	"	"	" 580
"	"	10	"	"	"	"	"	"	" 581
"	"	11	"	"	"	"	"	"	" 581

TO HAVE AND TO HOLD The above described claims for the purpose of mining for the period of 10 years, commencing at 12:00 o'clock noon on the 15 day of April, 1957, and ending at 12:00 noon on the 15 day of April, 1967 unless sooner forfeited or terminated through the violation of any of the covenants and conditions herein contained; Lessees shall also have the privilege and option to renew this lease for an additional term of ten years

commencing at the expiration of the aforementioned term; said renewal term to be in accordance with the terms and conditions of this lease; provided, that notice of election to renew said term shall be given by lessees, or one of them, in writing by regular mail addressed to lessors at the latest address left hereafter by each such lessor with Ed sargent, at Salmon, Idaho, at least 30 days prior to the expiration of the first ten year term.

LESSEES AGREE THAT THEY WILL:

1. Immediately enter in and upon said mining claims and work the same in a minerlike manner so as to take out the greatest amount of ore possible, with due regard to the development of said claims as a workable mining property and to the special covenants herein contained.

2. To well and sufficiently timber said mining claims at all points where proper and necessary in accordance with good and safe mining, and to repair all old timbering whereever it may become necessary.

3. To allow the Lessors, or its agents and officers, from time to time, to enter upon and descend into all parts of said leased premises, for the purpose of inspection, surveys, or taking samples therefrom, and to render said parties proper assistance in making such inspection, surveys, and examination.

4. To occupy and held as the property of Lessors to the extent of their respective interests in the claims involved, all cross and parallel ledes, spurs, and mineral deposits of every kind which may be uncovered, disclosed, or discovered within said leased ground by the said Lessees or any person, or persons under or in privity with him, with privilege to said Lessees to mine and work the same as part and parcel of said premises.

5. To keep, at all times, the drifts, shafts, and tunnels and other workings, well drained and clear of loose rock and corruption unless prevented by extraordinary mining casualty, or other Act of God.

6. To post and keep posted on said premises notices to the effect that said mining claims and premises are operated by them as Lessees and to comply with Sections 44-501 and 44-502 of the Idaho Code relating to mining laborers.

7. That they will not permit any liens of any kind or nature for labor or materials to be filed against said property, or any part thereof, and agrees to hold and keep the Lessors harmless from any and all liability from such liens by him made or suffered.

8. To comply with all federal and state laws and especially with the Workmen's Compensation Law of the State of Idaho.

9. To pay and discharge, when the same becomes due and payable, all taxes of whatsoever kind or nature levied, assessed or imposed upon and against improvements placed by the Lessees on said premises during the term hereof, and any and all taxes and assessments levied, assessed or imposed upon and against the ores and minerals, or other values mined and extracted from said premises, or any part thereof.

10. It is mutually agreed that any sums received from the sale of any ores or minerals mined by Lessees under this agreement, which said sums shall be referred to hereinafter as "net smelter returns" shall be distributed and divided as follows: the expenses of mining and extracting the ores and minerals from the ground and getting it into shape for, and loaded onto vehicles for, shipment to a delivery point shall be deducted from such "net smelter returns", and distributed to lessees to reimburse them for their expenses in this regard. The expenses of hauling said ores and minerals to the delivery point less any part of such expenses for which lessees are reimbursed by the U. S. Government, shall also be deducted from said "net smelter returns", and distributed to lessees. The balance of "net smelter returns" remaining after such deductions, together with any bonuses received from the U. S. Government as a result of the discovery and development of uranium properties shall be divided into two (2) equal shares, which shall be distributed as follows:

(a) One 50% share shall be divided among the parties to this agreement in the following proportions:

Ed Sargent	45%
Frank Fowler	5%
Ralph Smith	5%
Ned Pepper	10%
O. S. Christensen	7½%
Curtis Tucker	5%
Weston W. Lowe	12½%
Clinton Holmes	5%
Charles Morris	5%

(b) The other 50% shall be distributed to lessees, Weston W. Lowe and Ed Sargent, to be divided equally between them.

11. It is understood and agreed that the term "net smelter returns" shall be understood to mean the gross value of the ores and minerals, less only the treatment charges thereon, if any.

12. Lessees agree to attempt diligently to obtain the largest amount of government bonuses available for discovery and development of uranium properties under the U. S. Government incentive program.

13. Lessees agree to keep books and records on all smelter returns, and on all mining, transportation, and other expenses which are deducted from the "net smelter returns" under this agreement, which said books, it is agreed, will always be kept at a convenient place in Salmon, Idaho, and will be at all reasonable times available for the inspection of lessors.

14. Lessees agree to save and keep lessors harmless and indemnified against all claims and liabilities for personal injuries sustained by anyone in the operation of said mining claims.

15. Lessees agree to do all assessment and other work necessary to properly hold said mining claims for the persons named in paragraph 10(a) herein, and to file and record the necessary proofs of said work as required by law.

16. It is specifically understood and agreed by and between the parties hereto that time is the essence of this agreement and in the event the lessees fail to make any of the payments as herein provided, or fail to perform any of the covenants herein contained, then and in that event, lessors shall have the right to declare this agreement forfeited by giving a written notice to the lessees by registered mail, specifying the particulars wherein this agree-

ment is not being performed, and providing that unless the delinquent payment is made, or the failure to perform corrected in thirty (30) days from the mailing of such notice, this agreement shall be immediately forfeited and terminated. The service of said notice on lessees may be made by sending the same by registered mail to Ed Sargent, Salmon, Idaho, and no further notice shall be required. An Act of God and failure on the part of the lessees to perform the terms and conditions hereof by reason thereof shall not be considered as a default of the terms, conditions and covenants of this lease.

17. This agreement shall extend to and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, The said parties have put their hands and seals hereto the day and year set forth in the acknowldgements of their signatures.

Frank Fowler	Charles Morris
O. S. Christensen	_____ Morris
Estella B. Christensen	Ralph Smith
Ned Pepper	Roberta Smith
_____ Pepper	Curtis Tucker
Clinton Holmes	Henrietta Tucker
	LESSORS
Ed Sargent	Weston W. Lowe
	LESSEES

STATE OF IDAHO)
) ss
County of)

On this day of , 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at , Idaho.

STATE OF IDAHO)
) ss
County of)

On this day of , 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at , Idaho.

STATE OF IDAHO)
) ss
County of)

On this day of , 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at , Idaho.

ASSIGNMENT OF LEASE

KNOW ALL MEN That we, WESTON W. LOVE and ED SARGENT for and in consideration of Ten Dollars ($10.00) and other good and valuable consideration to us in hand paid by E-DAH-HOW URANIUM, INCORPORATED, an Idaho corporation, have sold, and do hereby assign, transfer, and set over unto said corporation, a certain lease, dated April 15, 1957, in which CURTIS TOLLER and HENRIETTA TOLLER, RALPH SMITH and ROBERTA SMITH, FRANK FOWLER, CLAIR KRAGAU and MARGARET M. KRAGAU, O. S. CHITWOOD and ESTELLA D. CHITWOOD, CLINTON HOLMES, CHARLES MORRIS and LUCILLE P. MORRIS, Lessors, and ED SARGENT and WESTON W. LOVE, Lessees, covering the following described unpatented lode mining claims situate in Lemhi County, State of Idaho, to-wit:

"Mother Lode" Lode Mining Claim, the location notice of which is of record in the office of the County Recorder of Lemhi County, Idaho, in Book 6 of Mining Claims, at Page 582, to which record reference is hereby made for a more particular description. Said Claim is situate in an unorganized mining district in Lemhi County, Idaho.

TO HAVE AND TO HOLD The same unto E-DAH-HOW URANIUM, INCORPORATED, And its assigns from the date hereof for the remainder of the term mentioned in said lease and any renewal thereof, subject to the conditions and provisions therein also mentioned.

IN WITNESS WHEREOF, We have hereunto set our hands this _____day of May, 1957.

_____

_____

STATE OF IDAHO)
) ss.
County of Lemhi)

On this _____day of May, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared WESTON W. LOVE and ED SARGENT, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at Salmon, Idaho

OFFICIAL - COPY
DMEA
RECEIVED MAY 31-1957
DATE | INITIALS | CODE

MINING LEASE

THIS AGREEMENT, made and entered into this 15 day of April, 1957, by and between CURTIS TUCKER and HENRIETTA TUCKER, husband and wife, RALPH SMITH and ROBERTA SMITH, husband and wife, FRANK FORLER, CLAIR KRAGAN and MARGARET H. KRAGAN, husband and wife, O. S. CHRISTENSEN and ESTELLA B. CHRISTENSEN, husband and wife, CLINTON HOLMES, CHARLES MORRIS and Lucille P. MORRIS, husband and wife, hereinafter called "Lessors" and ED SARGENT and WESTON LOWE, hereinafter called "Lessees":

WITNESSETH: That Lessors, for and in consideration of the royalties, payments, covenants and agreements hereinafter specified to be paid and performed by lessees, have leased, let and demised, and by these presents do lease, let and demise unto lessees, a certain lode mining claim located in Lemhi County, Idaho, described as follows, to-wit:

> "Mother Lode" Lode Mining Claim, the location notice of which is of record in the office of the County Recorder of Lemhi County, Idaho, in Book 6 of Mining Claims, at Page 582, to which record reference is hereby made for a more particular description. Said claim is situate in an unorganized mining district in Lemhi County, Idaho.

TO HAVE AND TO HOLD The above described claims for the purpose of mining for the period of ten (10) years, commencing at 12:00 o'clock noon on the 15th day of April, 1957, and ending at 12:00 o'clock noon on the 15th day of April, 1967 unless sooner forfeited or terminated through the violation of any of the covenants and conditions herein contained; Lessees shall also have the privilege and option to renew this lease for an additional term of ten years commencing at the expiration of the aforementioned term; said renewal term to be in accordance with the terms and conditions of this lease; provided, that notice of election to renew said term shall be given by lessees, or one of them, in writing by regular mail addressed to lessors at the latest address left hereafter by each such lessor with Ed Sargent, at Salmon, Idaho, at least 30 days prior to the expiration of the first ten year term;

1. To immediately enter in and upon said mining claim and to work the same in a minerlike manner so as to take out the greatest amount of ore possible, with due regard to the development of said claim as a workable mining property and to the special covenants herein contained.

2. To well and sufficiently timber said mining claim at all points where proper and necessary in accordance with good and safe mining practice, and to repair all old timbering wherever it may become necessary.

3. To allow lessors or their agents, from time to time, to enter upon and descend into all parts of said leased premises, for the purpose of inspection, surveys, or taking samples therefrom, and to render said parties proper assistance in making such inspection, surveys and examination.

4. To occupy and hold as the property of lessors, to the extent of their respective interests in the claim involved, all cross and parallel lodes, spurs, and mineral deposits of every kind which may be uncovered, disclosed, or discovered within said leased ground by lessees or any person, or persons under, or in privity with them, with privilege to said lessees to mine and work the same as part and parcel of said premises.

5. To keep at all times the drifts, shafts, and tunnels and other workings well drained and clear of loose rock and corruption unless prevented by extra-ordinary mining casualty, or other Act of God.

6. To post and keep posted on said premises, notices to the effect that said mining claim and premises are operated by them as lessees and to comply with Sections 44-501 and 44-502 of the Idaho Code relating to mining laborers, and to comply with all Federal and State laws and especially the Workman's Compensation Law of the State of Idaho.

7. That they will not permit any liens of any kind or nature for labor or materials to be filed against said property or any partthereof and they agree to hold and keep lessors harmless from any and all liability from such liens by them made or suffered.

8. To pay and discharge, when the same become due and payable, all taxes of whatsoever kind or nature levied, assessed or imposed upon and against improvements placed by the lessees on said premises during the term hereof, and any and all taxes and assessments levied, assessed or imposed upon and against the ores and minerals or other values mined and extracted from said premises or any part thereof.

9. It is mutually agreed that any sums received from the sale of any ores or minerals mined by lessees under this agreement, which said sums shall be hereinafter referred to as "net smelter returns", shall be distributed and divided as follows: the expenses of mining and extracting the ores and minerals from the ground and getting it in shape for, and loaded onto vehicles for, shipment to a delivery point shall be deducted from such "net smelter returns", and distributed to lessees to reimburse them for their expenses in this regard. The expenses of hauling said ores and minerals to the delivery point less any part of such expenses for which lessees are reimbursed by the U. S. Government shall also be deducted from said "net smelter returns", and distributed to lessees. The balance of "net smelter returns" remaining after such deductions together with any bonuses received from the U. S. Government as a result of the discovery and development of uranium properties, shall be divided into equal shares which shares shall be distributed as follows:

(a) One 50% share shall be divided among the parties to this agreement in the following proportions:

N. A. Sargent	33 1/3%
Weston Lowe	23 1/3%
Curtis Tucker	5%
Ralph Smith	5%
Frank Fowler	5%
Clair Cracaw	3 1/3%
O. S. Christensen	15%
Clinton Holmes	5%
Charles Morris	5%

(b) The other 50% share shall be distributed to lessees, Weston W. Lowe and Ed Sargent to be divided equally between them.

10. It is understood and agreed that the term "net smelter returns" shall be understood to mean the gross value of the ores and minerals, less only the treatment charges thereon, if any.

11. Lessees agree to attempt diligently to obtain the largest amount of government bonuses available for discovery and development of uranium properties under the U. S. Government incentive program.

12. Lessees agree to keep books and records on all smelter returns, and on all mining, transportation, and other expenses which are deducted from the "net smelter returns" under this agreement, which said books, it is agreed, will always be kept at a convenient place in Salmon, Idaho, and will be at all reasonable times available for the inspection of lessors.

13. Lessees agree to save and keep lessors harmless and indemnified against all claims and liabilities for personal injuries sustained by anyone in the operation of said mining claim.

14. Lessees agree to do all assessment and other work necessary to properly hold said mining claim for the persons named in paragraph 10(a) above, and to file and record the necessary proofs of said work as required by law.

15. It is specifically understood and agreed by and between the parties hereto that time is the essence of this agreement and in the event lessees fail to make any of the payments as herein provided, or fail to perform any of the covenants herein contained, then in that event lessors shall have the right to declare this agreement forfeited by giving a written notice to the lessees by registered mail specifying the particulars wherein this agreement is not being performed, and providing that unless the delinquent payment is made, or the failure to perform corrected within thirty (30) days from the mailing of such notice, this agreement shall be immediately forfeited and terminated. The service of said notice on lessees may be made by sending the same by registered mail to Ed Sargent, Salmon, Idaho, and no further notice shall be required. An Act of God and failure on the part of the lessees to perform the terms and conditions hereof by reason thereof shall not be considered as a default of the terms, conditions and covenants of this lease.

16. This agreement shall extend to and be binding upon the heirs, successors and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties have put their hands and seals hereto the day and year set forth in the respective acknowledgments of their signatures.

Curtis Tucker

Henrietta Tucker

Ralph Smith

Roberta Smith

Frank Fowler

Clair Kracaw

Margaret M. Kracaw

C. S. Christensen

Estella E. Christensen

Clinton Holmes

Charles Morris

_____ Morris

LESSORS

Ed Sargent

Keston W. Lowe

LESSEES.

STATE OF IDAHO)
) ss.
County of)

On this _____ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for Idaho
Residing at _____, Idaho.

STATE OF IDAHO)
) ss.
County of)

On this _____ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for Idaho,
Residing at _____, Idaho.

STATE OF IDAHO)
) ss.
County of)

On this ____ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____ _____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary Public for Idaho,
Residing at _____, Idaho.

ASSIGNMENT OF LEASE

KNOW ALL MEN That we, WESTON W. LOWE and ED SARGENT for and in consideration of Ten Dollars ($10.00) and other good and valuable consideration to us in hand paid by E-DAH-HOW URANIUM, INCORPORATED, an Idaho corporation, have sold, and do hereby assign, transfer, and set over unto said corporation, a cert in lease, dated April 15, 1957, in which CURTIS TUCKER and HENRIETTA TUCKER, RALPH SMITH and ROBERTA SMITH, FRANK FOSLER, O. S. CHRISTENSEN and ESTELLA R. CHRISTENSEN, CLIFTON HOLDEN, CHARLES MORRIS and LUCILLE P. MORRIS, CLAIR KRACAW and MARGARET K. KRACAW, Lessors, and ED SARGENT and WESTON W. LOWE, Lessees, covering the following described unpatented lode mining claims situate in Lemhi County, State of Idaho, to-wit:

"LEMHI NO. 3" Lode Mining Claim, the location notice of which is of record in the office of the County Recorder of Lemhi County, Idaho, in Book 5 of Mining Claims, at page 576, to which record reference is hereby made a more particular description.

TO HAVE AND TO HOLD The same unto E-DAH-HOW URANIUM, INCORPORATED, and its assigns from the date hereof for the remainder of the term mentioned in said lease and any renewal thereof, subject to the conditions and provisions therein also mentioned.

IN WITNESS WHEREOF, We have hereunto set our hands this 7th day of May, 1957.

STATE OF IDAHO)
) ss.
County of Lemhi)

On this 7th day of May, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared WESTON W. LOWE and ED SARGENT, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

Notary Public for Idaho
Residing at Salmon, Idaho

OFFICIAL-COPY

EXTRA COPY
DMEA
RECEIVED MAY 31 1957
DATE | INITIALS | CODE

MINING LEASE

THIS AGREEMENT, Made and entered into this 15 day of April, 1957, by and between CURTIS TUCKER and HENRIETTA TUCKER, husband and wife, RALPH SMITH and ROBERTA SMITH, husband and wife, FRANK FOWLER, O. S CHRISTENSEN and ESTELLA B. CHRISTENSEN, husband and wife, CLINTON HOLMES, CHARLES MORRIS and Lucille P. MORRIS, husband and wife, and CLAIR KRACAW and MARGARET M. KRACAW, husband and wife, hereinafter called "Lessors, and ED SARGENT and WESTON W. LOWE, hereinafter called "Lessees":

WITNESSETH:

That the lessors for and in consideration of the royalties, payments, covenants and agreements hereinafter specified to be paid and performed by lessees, have leased, let and demised, and by these presents do lease, let and demise unto lessees, certain mining claims situate in an unorganized mining district in Lemhi County, Idaho, and described as follows:

> "LEMHI NO. 3" Lode Mining Claim, the location notice of which is of record in the office of the County Recorder of Lemhi County, Idaho, in Book 6 of Mining Claims, at page 576, to which record reference is hereby made a more particular description.

TO HAVE AND TO HOLD The above described claims for the purpose of mining for a period of ten (10) years, commencing at 12:00 o'clock noon on the 15 day of April, 1957, and ending at 12:00 o'clock noon on the 15th day of April, 1967, unless sooner forfeited or terminated through the violation of any of the covenants and donditions herein contained; Lessees shall also have the privilege and option to renew this lease for an additional term of ten years commencing at the expiration of the aforementioned term; said renewal term to be in accordance with the terms and conditions of this lease; provided, that notice of election to renew said term shall be given by lessees, or one of them, in writing by regular mail addressed to lessors at the latest address left hereafter by each such lessor with Ed Sargent, at Salmon, Idaho, at least 30 days prior to the expiration of the first ten year term.

LESSEES AGREE THAT THEY WILL:

1. Immediately enter in and upon said mining claim and work the same in a minerlike manner so as to take out the greatest amount of ore possible, with due regard to the development of said claim as a workable mining property and to the special covenants herein contained.

2. To well and sufficiently timber said claim at all points where proper and necessary in accordance with good and safe mining, and to repair all old timbering wherever it may become necessary.

3. To allow the Lessors or its agents and officers, from time to time, to enter upon and descend into all parts of said leased premises, for the purpose of inspection, surveys, or taking samples therefrom, and to render said parties proper assistance in making such inspection, surveys, or taking samples therefrom, and to render said parties proper assistance in making such inspection, surveys, and examination.

4. To occupy and hold as the property of Lessors to the extent of their respective interests in the claim involved, all cross and parallel lodes, spurs, and mineral deposits of every kind which may be uncovered, disclosed, or discovered within said leased ground by the said Lessees or any person or persons under or in privity with him, with privilege to said Lessees to mine and work the same as part and parcel of said premises.

5. To keep at all times the drifts, shafts, and tunnels and other workings well drained and clear of loose rock and corruption unless prevented by extraordinary mining casualty, or other Act of God.

6. To post and keep posted on said premises, notices to the effect that said mining claim and premises are operated by him as Lessees and to comply with Sections 44-501 and 44-502 of the Idaho Code relating to mining laborers.

7. That he will not permit any liens of any kind or nature for labor or materials to be filed against said property or any part thereof, and agrees to hold and keep the Lessors harmless from any and all liability from such liens by him made or suffered.

8. To comply with all federal and state laws and especially the Workmen's Compensation Law of the State of Idaho.

9. To pay and discharge, when the same becomes due and payable, all taxes of whatsoever kind or nature levied, assessed or imposed upon and against improvements placed by the Lessee and said premises during the term hereof, and any and all taxes and assessments levied, assessed or imposed upon and against the ores and minerals, or other values mined and extracted from said premises or any part thereof.

10. It is mutually agreed that any sum received from the sale of any ores or minerals mined by Lessees under this agreement, which said sums shall be referred to hereinafter as "net smelter returns" shall be distributed and divided as follows: the expenses of mining and extracting the ores and minerals from the ground and getting it into shape for, and loaded onto vehicles for, shipment to a delivery point, shall be deducted from such "net smelter returns", and distributed to lessees to reimburse them for their expenses in this regard. The expenses of hauling said ores and minerals to the delivery point less any part of such expenses for which lessees are reimbursed by the U. S. Government shall also be deducted from said "net smelter returns", and distributed to lessees. The balance of "net smelter returns" remaining after such deductions together with any bonuses received from the U. S. Government as a result of the discovery and development of uranium properties, shall be divided into two (2) equal shares, which shares shall be distributed as follows:

(a) One 50% share shall be divided among parties to this agreement, in the following proportions:

Ed Sargent	33 1/3%
Weston W. Lowe	23 1/3%
Curtis Tucker	5%
Ralph Smith	5%
Frank Fowler	5%
O. S. Christensen	15%
Clinton Holmes	5%
Charles Morris	5%
Clair Kracaw	3 1/3%

(b) The other 50% share shall be distributed to lessees, Weston W. Lowe and Ed Sargent, to be divided equally between them.

11. It is understood and agreed that the term "net smelter return" shall be understood to mean the gross value of the ores and minerals, less only the treatment charges thereon, if any.

12. Lessees agree to attempt diligently to obtain the largest amount of government bonuses available for discovery and development of uranium properties under U. S. Government incentive program.

13. Lessees agree to keep books and records on all smelter returns, and on all mining, transportation, and other expenses which are deducted from the "net smelter returns" under this agreement, which said books, it is agreed, will always be kept at a convenient place in Salmon, Idaho, and will be at all reasonable times available for the inspection of lessors.

14. Lessees agree to save and keep lessors harmless and indemnified against all claims and liabilities for personal injuries sustained by anyone in the operation of said mining claims.

15. Lessees agree to do all assessment and other necessary work to properly hold said mining claims for the persons named in paragraph 10 herein, and to file and record the necessary proofs of said work as required by law.

16. It is specifically understood and agreed by and between the parties hereto that time is the essence of this agreement and in the event the Lessees fail to make any of the payments as herein provided, or fail to perform any of the covenants herein contained, then, in that event lessors shall have the right to declare this agreement forfeited by giving a written notice to the lessees by registered mail, specifying the particulars wherein this agreement is not being performed, and providing that unless the delinquent payment is made, or the failure to perform, corrected in thirty (30) days from the mailing of such notice, this agreement shall be immediately forfeited and terminated. The service of said notice on lessees may be made by sending the same by registered mail to Ed Sargent, Salmon, Idaho, and no further notice shall be required. An Act of God and failure on the part of the lessees to perform the terms and conditions hereof by reason thereof shall not be considered as a default of the terms, conditions and covenants of this lease.

17. This agreement shall extend to and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, The said parties have put their hands and seals hereto the day and year set forth in the acknowledgements of their signatures.

Curtis Tucker

Henrietta Tucker

Ralph Smith

Roberta Smith

Frank Fowler

O. S. Christensen

Estella B. Christensen

Clinton Holmes

Charles Morris

_____ Morris

Clair Kracaw

Margaret Kracaw

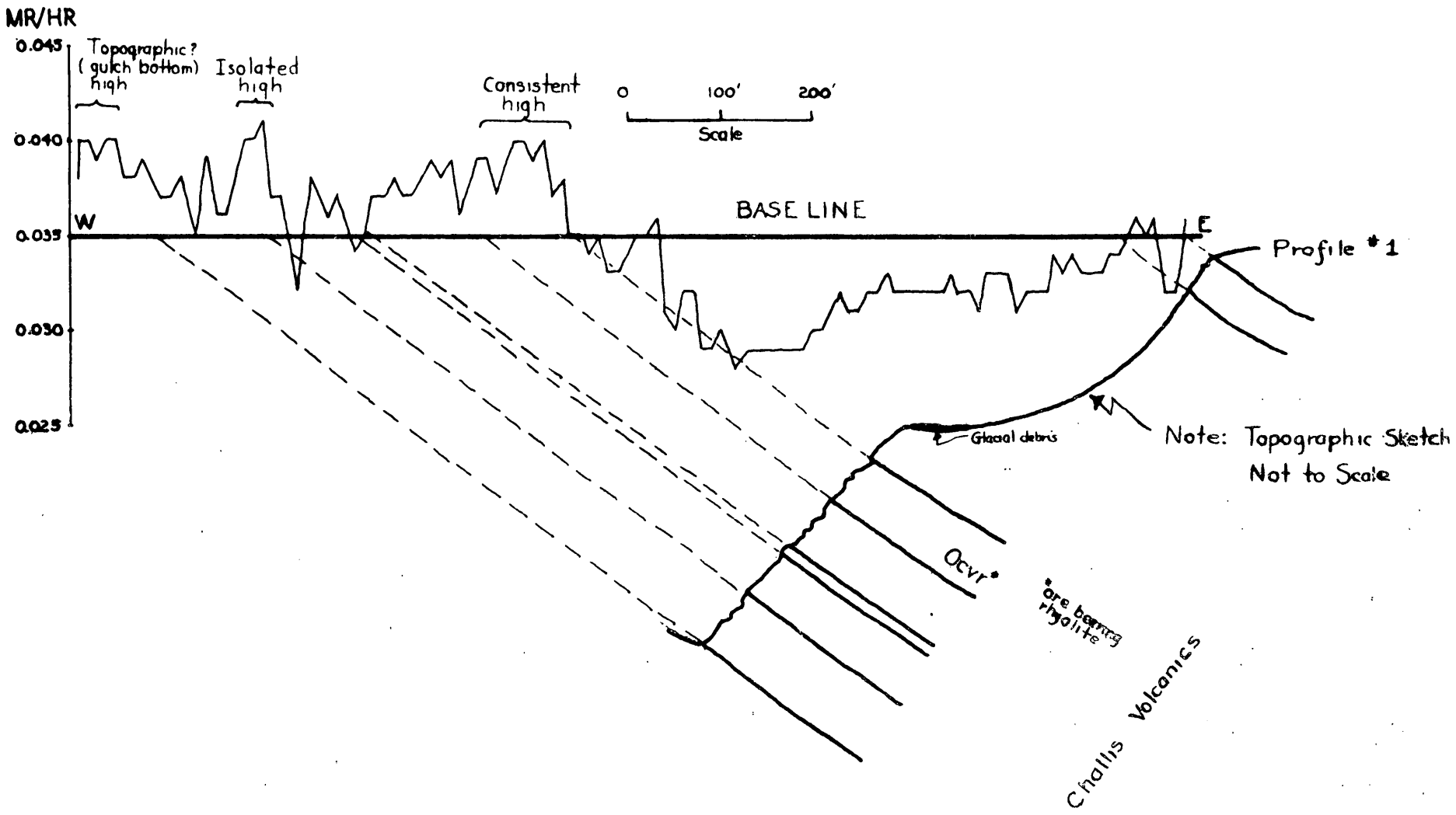
LESSORS

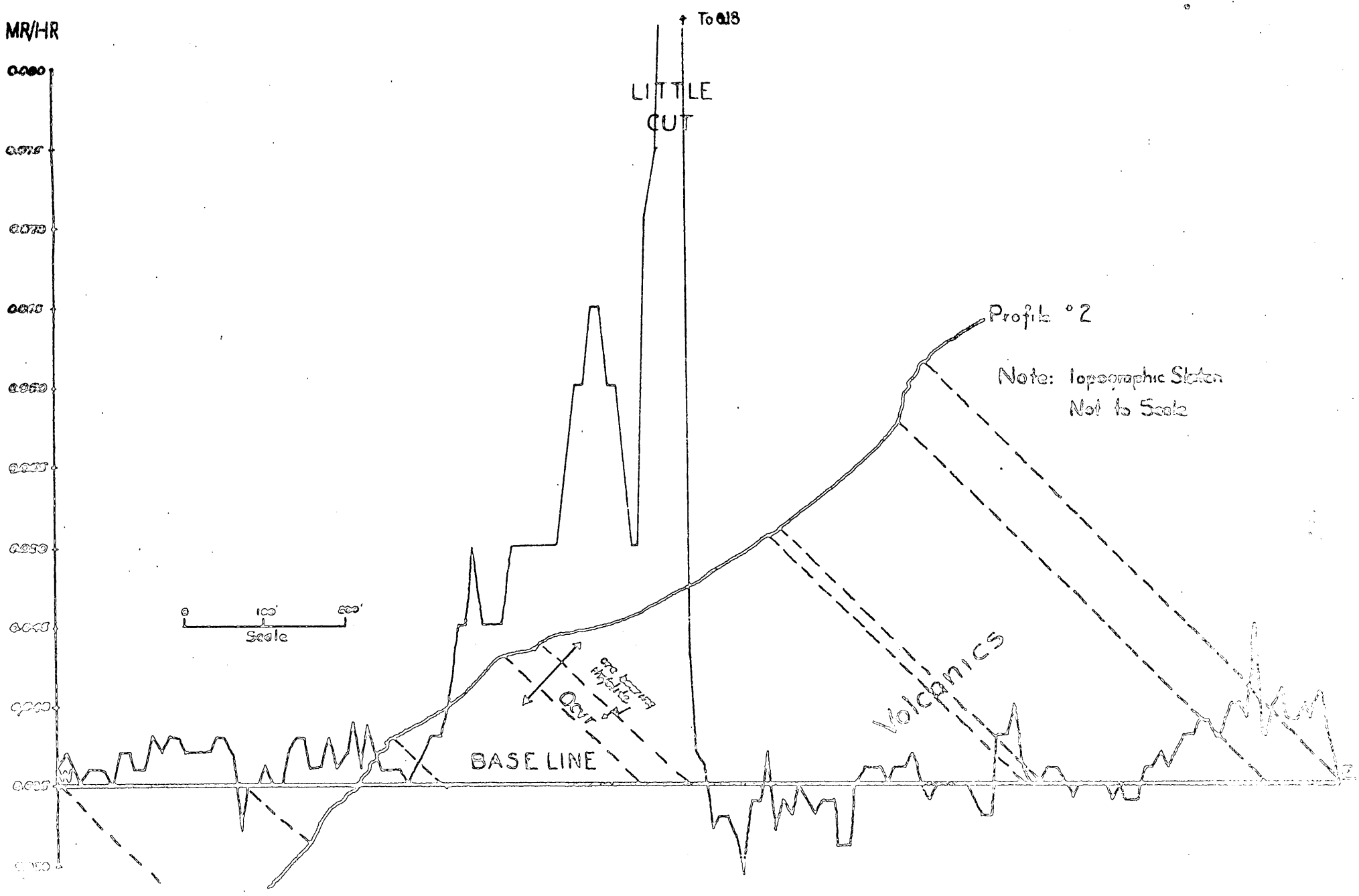
Ed Sargent

Weston W. Lowe

LESSEES.

DONNA LOU AND ADJOINING CLAIMS
RADIOMETRIC PROFILES
(SEE FIGURE 1)





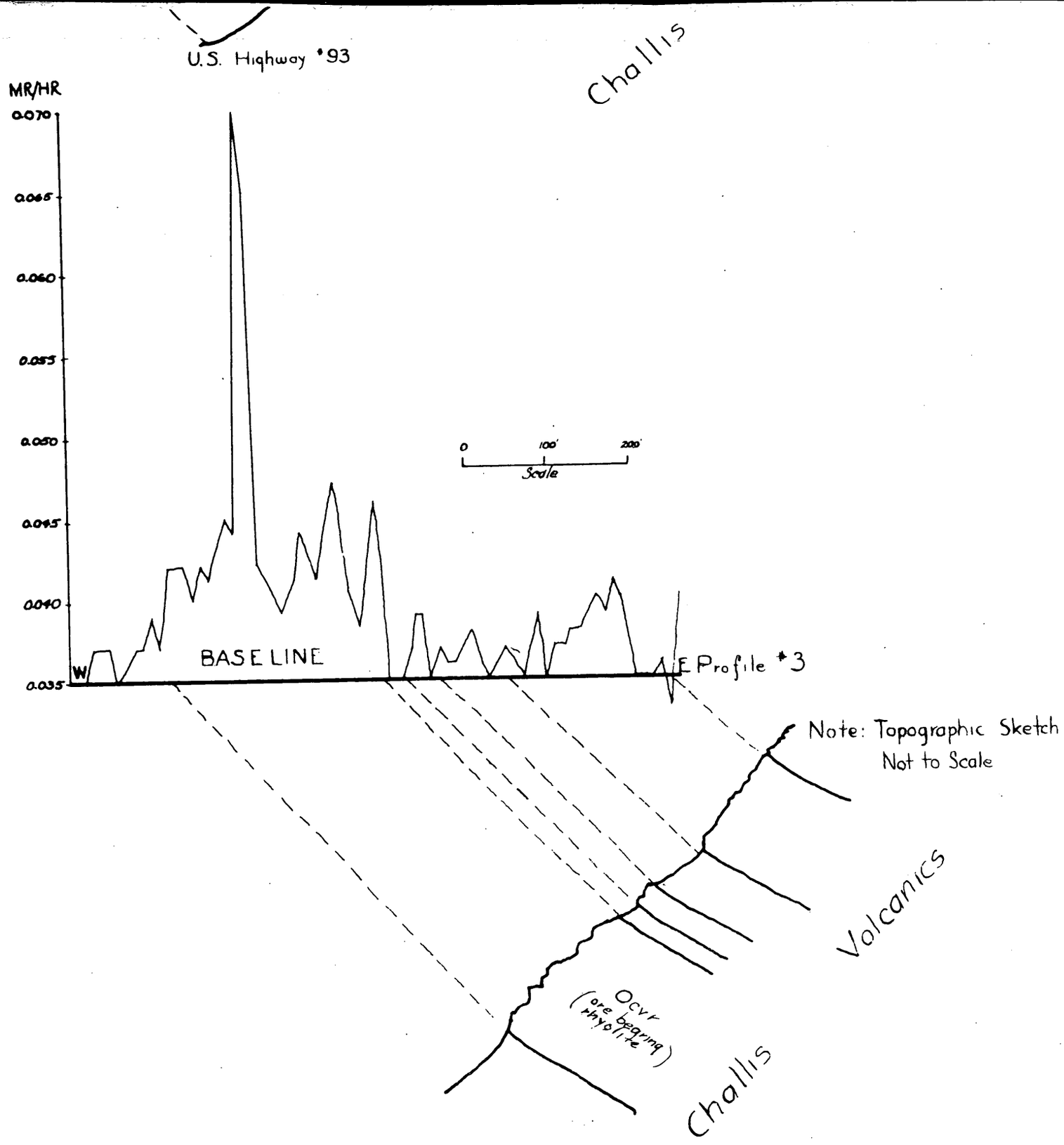

U.S. Highway #93
Challis
MR/HR
0.070
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0
100'
200'
Scale
W
BASE LINE
E Profile #3
Note: Topographic Sketch
Not to Scale
Volcanics
Ocvr
(ore bearing
rhyolite)
Challis

FIGURE 3

STATE OF IDAHO)
) ss
County of)

On this _____ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____

_____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at _____, Idaho.

STATE OF IDAHO)
) ss
County of)

On this ____ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____

_____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at _____, Idaho.

STATE OF IDAHO)
) ss
County of)

On this ___ day of _____, 1957, before me, the undersigned, a Notary Public in and for said State, personally appeared _____

_____ known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

_____
Notary Public for Idaho
Residing at _____, Idaho.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/21	Ching	700
"	Ellis	700
	Johnson	110
"	Rottenberg	100
		220
		225

Hon. Henry C. Dworshak
United States Senate
Washington 25, D. C.

OCT 21 1957

Re: Docket No. DMEA-4754 (Uranium)
E-dah-how Uranium, Inc.
Mother Lode, et al., Claims
Lemhi County, Idaho

Dear Senator Dworshak:

Last July your office inquired by telephone regarding the subject application for exploration assistance and we promised to advise you of the outcome.

Careful study of all the information available to us indicated that the probability of disclosing significant ore reserves on the property was not sufficiently promising to justify Government participation in an exploration project. Consequently, by letter, dated October 16, 1957, we notified the Applicant that the application was denied.

We found that the property contained some low-grade occurrences of uranium in quartz latite. However, these occurrences failed to show evidence of continuity, structural control, or favorable geological trends that could be tested by an exploration program with reasonable hope of success.

If you desire additional information regarding this application, please advise me.

Sincerely yours,

S

Administrator

MChing/gla
10-21-57
cc to: Admr.'s Reading File
Mr. Ching
DMEA Field Team, Region I (2)

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 21

DATE		
10/21	C	220
22	~~Chang~~	700
		225

October 18, 1957

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

Re: Docket No. DMEA-4754 (Uranium)
E-dah-how Uranium, Inc.
Mother Lode, et al. claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a self-explanatory letter dated October 15, 1957 from Arthur E. Granger, Area Manager, AEC Salt Lake Area Office, Salt Lake City, Utah giving their findings and conclusions on the subject property.

The AEC concurs with the recommendations and conclusions of the Field Team that the application be denied.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM (2) w/2 copies of enclosure
Alvord

AEC [illegible]

[illegible] SLAO:RJM:a[illegible]

October 15, 1957

Mr. A. E. Weissenborn
Executive Officer, DMEA
F[illegible] Team, Region 1
South 157 Howard Street
Spokane 4, Washington

DMEX

Re: Docket DMEA-4754 (Uranium)
[illegible]dahoW Uranium, Inc.
Mother Lode, et al. claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

Personnel from the Salt Lake [illegible] the subject property. [illegible] their findings and conclusions [illegible] the DMEA file [illegible]. Although uranium [illegible] property, the [illegible] stage of prospe[illegible] and [illegible] disclosed or [illegible] any possible target for a [illegible] oration program.

Consequently, we concur with the recommendations and conclusions of the examiners.

Very [illegible],

Area Geologist
Area Manager
Salt Lake Area Office

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/14	Ching	700
10/14	Ellis	700
10/16	Jeffrey	130
	Johnson	110
"	Mittendorf	100
		~~240~~
10/17	B	220
		700

OCT 16 1957

Mr. Weston W. Lowe, President
E-dah-how Uranium, Inc.
Salmon, Idaho

Re: Docket No. DMEA-4754 (Uranium)
Mother Lode, et al., Claims
Lemhi County, Idaho

10/14 Kent (130)
10/14 Ziilsgaard (30)
225

Dear Mr. Lowe:

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

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

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/izm 10-14-57
cc: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. I (2)

8623

Docket

Ching
Ellis

October 14, 1957

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4754

Commodity: Uranium

Applicant: E-dah-how Uranium Inc.
Salmon, Idaho

Property: 22 unpatented lode mining claims and portions of 2 others; Donna Lou Nos. 12-21 and portions of Nos. 3 and 12, Ruth Nos. 1-11, Lemhi No. 3, and Mother Lode, situated in secs. 7, 17, and 18, T. 20 N., R. 22 E., B.M.&B., Lemhi County, Idaho. Applicant is the Lessee.

Date of Application: May 27, 1957. Supplement - June 18, 1957

Amount of Application: $46,895.00

Referred to Region I - July 17, 1957

Field Examination made: August 8, 1957

Field Team Report received: October 4, 1957

Work Proposed: Location of work not specified

1,000	ft. drifting and crosscutting @ $33.00/ft.	$33,000.00
80	hrs. bulldozing @ $14.00/hr.	1,120.00
100	ft. timbering @ $6.00/ft.	600.00
2,000	ft. drilling @ $6.00/ft.	12,000.00
50	assays @ $3.50/each	175.00
	Estimated Total Cost of Project	$46,895.00
	Government Participation @ 75%	$35,171.25

Field Team Report: Sept. 30, 1957 - Donald C. Alvord, USGS & G.G. Waddell, USBM:

The property contains small, below-ore-grade occurrences of uranophane and meta-autunite in quartz latite. Exploration by the Applicant, consisting chiefly of dozer trenching, has exposed 2 such occurrences about 800 yards apart and apparently unrelated to a common structural element. Sampling at these exposures indicates that one occurrence, the Mother Lode, contains about 0.08% U_3O_8 and that the other occurence, the Donna Lou, contains as much as 0.14% U_3O_8. Two samples, 3 feet and 5.5 feet, in length, were cut across the most radioactive ore zone at the Mother Lode occurrence. One sample, 5 feet in length, was cut across the best showing on the Donna Lou occurrence. At both localities benches have been cut parallel to the hill slopes. The uranium minerals are found along the bench walls for distances of 35 to 50 feet. At neither locality could it be demonstrated that uranium

minerals or radioactivity extend for more than a few inches into the bench walls or out on the bench sills. The work done to date fails to demonstrate continuity of mineralization or any controlling structural element or distribution trend that could be tested by an exploration program. There is no reason to believe that there would be any appreciable tonnage of material that would contain more than 0.06% U_3O_8. It is recommended that the application be denied.

Commodity Group Comments:

USBM, James Paone, October 10, 1957:

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

USGS, W. P. Williams, October 11, 1957:

Agrees with the Field Team and concurs in the recommendation for denial of the application.

Div. of Rare & Misc. Metals, Michael Ching, October 14, 1957:

The average grade of the mineralized zones would probably be less than 0.06% U_3O_8. No well-defined targets are present and there are no indications that there would be improvement in mineralization with depth.

Conclusions and Recommendations:

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

Ernest Wm. Ellis

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

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

OFFICIAL FILE COPY
IN REPLY REFER TO:
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE
10/15		220
"	Chris	700

October 11, 1957

Memorandum

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

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

Subject: Review of field examination report, DMEA 4754, (uranium), E-dah-how Uranium, Inc., Mother Lode, et al claims, Lemhi County, Idaho

The examining team report that geologic conditions on the applicant's property are not favorable for the presence of important uranium ore deposits. A small amount of non-commercial grade material has been found on the claims.

The area is geologically unfavorable because the mineralized places are not continuous, and because there is not present a controlling, geologic structure.

I agree with the findings of the Field Team and recommend denial of the application on the grounds that a worthwhile ore discovery is not likely to result from the proposed project.

W. P. Williams

W. P. Williams

OFFICIAL FILE COPY DMEA RECEIVED OCT 11 1957		
DATE	INITIALS	CODE
10/11	C	220
11	Chang	700

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

Date October 10, 1957

DMEA Docket No. 4754
DMEA Contract No.
Commodity Uranium
Name of applicant E-dah-how Uranium, Inc.
Name of property Mother Lode, et al claims
Location of property Lemhi County, Idaho
Estimated cost of project

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 10/1/57. 2. Date received by reviewer: 10/9/57

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

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

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

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

7. Explain items marked yes above:

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

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

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

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

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DMEA
RECEIVED OCT 4 1957

DATE	INITIALS	CODE
10/4	C	220
10/9	HB	130
10/10	B	220
10/11	Chung	700

October 1, 1957

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

Re: Docket No. DMEA-4754 (Uranium)
E-dah-how Uranium, Inc.
Mother Lode, et al. claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum report of examination by Donald C. Alvord, Geologist, Geological Survey, and G. G. Waddell, Mining Engineer, Bureau of Mines, on the subject application.

Uranophane and meta-autunite occur as thin, irregular coatings on fractures and small botryoidal masses in miarolitic cavities in quartz latite. The uranium minerals are exposed for distances of 35-50 feet in the walls of two trenches about 800 yards apart. Samples range in grade from 0.08 percent to 0.14 percent U_3O_8. The work done to date has failed to demonstrate continuity of the occurrences and has not disclosed any controlling structural element or distribution trend that might offer a suitable target for exploration.

Alvord and Waddell conclude the chance of finding a significant ore body is poor and recommend that the application be denied.

We concur with the conclusions and recommendations of the examiners.

By Field Team, Region I

for D R Macdonald
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Thomas E Howard
Thomas E. Howard, Acting Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
USGS (SRO)
AEC, SLC
Alvord

Reviewed by
DMEA OPERATING COMMITTEE
10-9-54
(date)

ONSITE
EXIM

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DMEA
RECEIVED OCT 4 1957

DATE	INITIALS	CODE
10/9	HB	130
		220

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

September 30, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: Donald C. Alvord, Geologist, U. S. Geological Survey, and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines

Subject: Examination Report, Docket No. DMEA-4754 (Uranium), E-dah-how Uranium, Inc., Mother Lode, et al., Claims, Lemhi County, Idaho

INTRODUCTION

An application for Government aid to explore the subject claims was received from E-dah-how Uranium, Inc., on May 29, 1957. This application was incomplete, being little more than a request for a field examination and an opinion regarding the property. It was not until June 24 that sufficient information was received to complete the processing. The application was referred to Region I July 17, 1957.

The property was examined on August 8 by the authors and E. W. Parsons, Mining Engineer, Bureau of Mines, accompanied by Sui-Ju Kung, Mining Engineer, Taiwan, Nationalist China. W. W. Lowe, president of E-dah-how Uranium, Inc., was present during the examination. About 3 hours were spent on the property.

SUMMARY

The applicant proposes to explore the property at 1 locality with 1,000 feet of tunneling, 80 hours of dozer trenching, and 2,000 feet of drilling, at a total cost of $46,895.

The property contains small below ore-grade occurrences of uranophane and meta-autunite in quartz latite. Exploration by the applicant, consisting chiefly of dozer trenching, has exposed 2 such occurrences about 800 yards apart and apparently unrelated to a common structural element. Sampling at these exposures indicates that 1 occurrence, the Mother Lode, contains about 0.08 percent U_3O_8 and that the other occurrence, the Dona Lou, contains as much as 0.14 percent U_3O_8. All samples were taken from the best looking and most radioactive ore zones exposed at the two localities.

Reviewed by
DMEA OPERATING COMMITTEE

10-9-57
(date)

At both localities dozer benches have been cut parallel to the hill slopes. The uranium minerals are found along the bench walls for distances of 35-50 feet. At neither locality could the applicant demonstrate that uranium minerals or radioactivity extend for more than a few inches into the bench walls or out on the bench sills. The work done to date has failed to demonstrate continuity of the occurrences and has not disclosed any controlling structural element or distribution trend that could be tested by an exploration program.

According to the surface exposures there is no reason to believe that there would be any appreciable tonnage of material that would contain more than 0.06 percent U_3O_8.

RECOMMENDATION

It is recommended that the application be denied.

APPLICANT

Although the applicant has been associated with some mining enterprises, he has had no operating experience. In interviewing him, it was evident that he only has a casual idea of details but is willing to contract out all the work and to solicit a mining consultant's help.

LOCATION

Maps submitted with the application are quite crude; no scale is indicated, nor are all of the claims included in the application shown. When questioned, Mr. Lowe did not appear very familiar with the field relationships of the claims; he did not appear to elicit much interest in the subject, nor did he seem to comprehend our interest or need for a complete claim map.

According the application the claims are in sec. 7 and the northern parts of secs. 17 and 18, T. 20 N., R. 22 E. B.M. The claims containing the better showings, which were those visited during the examination, cover approximately the area included between Seven Mile Creek and Eight Mile Gulch, extending from U. S. Highway 93 eastward about 2,000 feet (pl. 1). The property is readily accessible from Salmon, Idaho, by traveling south over U. S. Highway 93 about 8 miles to Eight Mile Gulch, thence turning left on to a dozer road and following a fairly steep switchbacked road about three-quarters of a mile to the Mother Lode discovery cuts (fig. 1 and pl. 1). The dozer road continues northward from the Mother Lode to connect with roads lending access to the southern portions of the Dona Lou claims.

The area is not in a heavy snow-belt and could be kept accessible at all times. The most difficult time would be in the spring during the thaw.

PROPERTY RIGHTS

The property is held on an Assignment of Lease to E-dah-how Uranium, Inc., dated May 7, 1957. This lease covers a total of 22 claims.

DESCRIPTION OF THE PROPERTY

The claims cover steep slopes, cliffs, and rolling uplands on the east side of the Salmon River Valley. The uplands constitute the lower reaches of foothills extending eastward to the Lemhi Range. No surface facilities are present on the property. Development consists of several bulldozer cuts, a few shallow pits, and access dozer roads. Talus and slope creep cover the steeper slopes in depths up to 15 or 20 feet or more. Grass, sagebrush, and a scanty growth of conifer constitute the dominant flora.

GEOLOGY

The regional geology is described in the following publication: Anderson, A. L., 1956, Geology and Mineral resources of the Salmon Quadrangle, Lemhi County, Idaho: Idaho Bureau of Mines and Geology Pamphlet 106, 102 p., 6 pt., 3 figs.

The property is underlain chiefly by rocks of the Challis volcanics of upper Oligocene age and possibly, on the eastern portions, by rocks of the Carmen formation of Miocene age (pl. 1). Regionally the Challis volcanics are made up of andesite and latite flows, quartz latite and rhyolite flows, and tuffs and welded tuffs. Exposures visited during the examination consisted entirely of flows or welded tuff flows, approximately quartz latite in composition.

According to Mr. Lowe the two best showings on the property were examined, namely, the Mother Lode cuts and the Dona Lou cuts.

Mother Lode Cuts:--At this locality the applicant has dozed into the slopes 3 northeast-trending benches, 1 above the other, and 1 northwest-trending bench, exposing bedrock in the bench faces ranging from 5 to 15 feet high. Plate 2 shows the northwest-trending bench and the lowermost of the northeast-trending benches; the other benches, entirely barren or lacking in promising structure, were not mapped.

The rock exposed consists of a pale-gray to pinkish-gray porphyritic quartz latite. Euhedral biotite phenocrysts averaging about 1 millimeter in diameter are conspicuous but constitute less than 5 percent of the mass. Euhedral sanidine and subhedral to rounded quartz grains up to 6 or 7 millimeters in diameter are

abundant and more or less evenly distributed in an essentially aphanitic stony to earthy groundmass. Spherulites, probably composed of intergrown quartz and feldspars, are common throughout the groundmass. In many cases the spherulites have coronas of tridymite(?). Locally the quartz latite contains brecciated and fractured zones filled with brown to gray-brown jasperlike vein material which, when open, contains drusy linings of euhedral smoky quartz.

The only uranium mineral observed consists of a finely fibrous, bright yellow, radioactive but nonfluorescent material tentatively identified as uranophane. The uranophane occurs as thin coatings on fractures and as botryoidal masses in miarolitic cavities, apparently more or less only in the vicinity of jasper vein zones.

At the Mother Lode benches radioactivity greater than twice background was noted only in the vicinity of Station B-4500 (pl. 2) where readings on selected specimens slightly exceeded 0.2 MR/hr. As shown on plate 2, the radioactive zone, about 50 feet wide, appears confined to the face of the bench on the northeast side of a minor fault. The limits of this zone are very indefinite, and most of the visible uranophane occurs as widely spaced trace coatings along the northernmost 30 feet of the zone. Although the figure shows the uranophane zone as striking more or less parallel to the flow banding, this is only an impression and Mr. Love was unable to demonstrate anomalous radioactivity or visible uranophane in front of the face of the bench nor in the benches above. Two samples cut from the best looking portions of the zone contained 0.094 and 0.048 percent U_3O_8, respectively. A grab sample taken from loose mineralized rock on the sill of the bench contained 0.099 percent U_3O_8. The Mother Lode discovery is interesting but as presently developed appears to lack economic potential.

Dona Lou Cuts.--These cuts consist of a series of benches cut into the south slope of Seven Mile Creek Gulch, about 800 yards north of the Mother Lode cuts (pl. 1). Uranium minerals are exposed in only one cut. Several other cuts to the south and up hill from this exposure are in overburden and, according to Mr. Love, are barren.

The porphyritic quartz latite exposed at the Dona Lou cut has about the same texture as the rock at the Mother Lode cuts. Fracturing and brecciation, with concomitant jasperoid filling, however, is better developed. In addition the groundmass is moderately to strongly kaolinized and the rock is more broken and slabby than it was at the Mother Lode cuts. The flow banding has an apparent strike of about S. 30° W. and dips about 15° W.

Uranium occurs as meta-autunite and uranophane, the former being by far the more abundant. The meta-autunite occurs as lemon yellow scaly aggregates and crustifications on the surfaces of smoky quartz lined miarolitic cavities, on the surfaces of quartz-lined cavities in jasperoid veins, on surfaces of openings in jasper-filled breccia zones, and on boxwork surfaces in quartz-goethite breccia zones. Much, if not most, of the meta-autunite, however, occurs as an apparent replacement of sanidine phenocrysts. The amount of replacement ranges from incipient nearly invisible grains of meta-autunite located in most cases at the apparent middle, and in some cases along the margins, of sanidine crystals, to a complete replacement with meta-autunite preserving only the sanidine crystal outline. Uranophane occurs in minor amounts as thin coatings on fracture surfaces.

Small amounts of autunite and uranophane are visible at numerous localities on the wall of the bench over a length of about 35 feet, but again, as at the Mother Lode cuts, Mr. Love was unable to demonstrate anomalous radioactivity or visible uranium minerals above or below the bench wall. A 5-foot long vertical channel sample cut at the best looking showing contained 0.140 percent U_3O_8.

MERIT OF THE PROPERTY

The property contains at least two definite occurrences of uranium-bearing minerals; one of these, the Dona Lou, contains rock approaching ore grade. Although these showings are sufficiently strong to warrant additional prospecting, such as trenching or drifting on the protore, work done to date has failed to demonstrate continuity of the mineralized zones nor has it disclosed any structural target or distribution trend that could be tested in an exploration program.

APPLICANT'S PROPOSAL AND DISCUSSION

The applicant has proposed 1,000 feet of drifting and crosscutting at $33 per foot, 80 hours of dozing at $14 per hour, 100 feet of timbering at $6 per foot, 2,000 feet of drilling (type not specified) at $6 per foot, and 50 assays at $3.50 per assay for a grand total of $46,895. All of the proposed work is to be done on the Mother Lode Lease.

The applicant had no definite ideas as to where the cross-cutting tunnel should be nor could the field examiners select an adequate position. There is no structure nor target zone and no reason to believe that the uranium content of the quartz latite will increase with depth.

The Dona Lou dozer cut had the best showings of meta-autunite and uranophane. Although the sample cut in the best looking spot approached ore grade (0.14 percent), the face of the cut would not average better than 0.06 percent U_3O_8. Any additional work performed would have to be classified as prospecting.

Enclosures
Distribution:
DMEA(3)
USEM(5)
USGS(SRO)
AEC, Salt Lake
Docket
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
APPLICATION REPORT

Docket No DMEA-4754

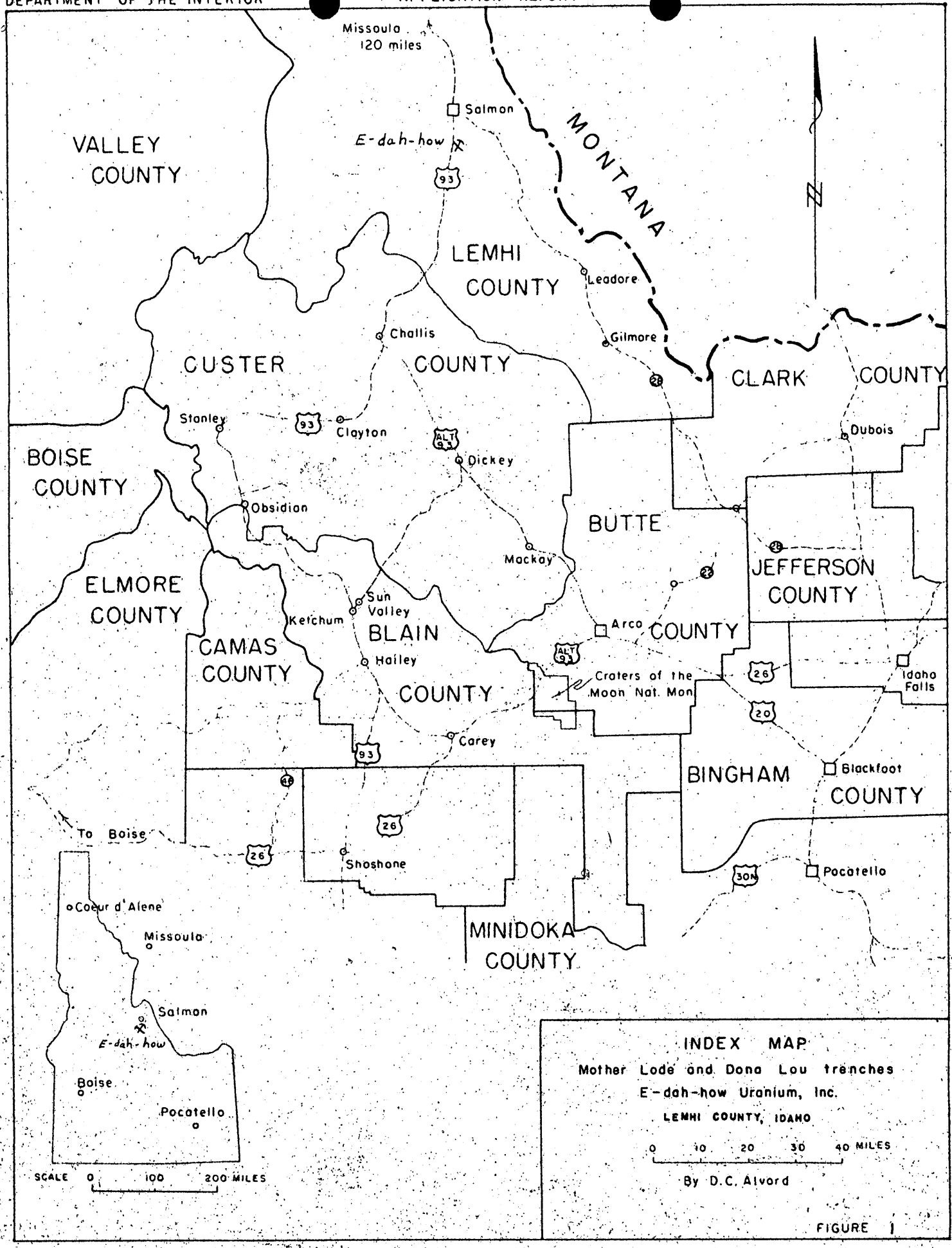

FIGURE 1

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7-16	Ching	700
7-16	Knowed	700
7/17	Martin	130
"	Johnson	
		110
"	Mattenley	100
		220
		700

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

JUL 17 1957

Re: Docket No. DMEA-4754 (Uranium)
E-dah-how Uranium, Inc.
Mother Lode, et al., Claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

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

Enclosed for your information are memoranda, dated July 2 and 3, 1957, by N. E. Nelson, USGS, and James Paone, USBM, respectively, relating to the application. Also enclosed is a copy of the application and two sets of supplemental information, consisting of a letter, dated June 18, 1957, two assay certificates, and a map, for the use of the Field Team.

In the event a contract is recommended the Operator should be advised that Consent to Lien and Subordination Agreement forms must be executed by all the owners and royalty claimants listed in the four mining leases involved. It should also be advised that 3 bids for Independent Contract work must be obtained.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (HB)

Enclosures

APPROVED:

P. F. Yopes (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

MChing/izm 7-16-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7-16	Ching	700
7-16	Kasuske	700
7/17	Martin	130
7/17	Lopez	130
7/17	Kilsgaard	130
7/17	Shuman	110
"	Mittendorf	1000
7/18	C	220
		700

JUL 17 1957

Mr. Weston W. Lowe, President
E-dah-how Uranium, Inc.
Salmon, Idaho

Re: Docket No. DMEA-4754 (Uranium)
Mother Lode, et al., Claims
Lemhi County, Idaho

Dear Mr. Lowe:

Your letter of June 18, 1957 with the attached map and assay reports has been received.

Your application is now being referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, South 157 Howard Street, Spokane 4, Washington, for further consideration and possibly a field examination.

In the event a project is approved for the subject property, it will be necessary for you to furnish the required Consent to Lien and Subordination Agreement forms properly signed and dated, and the addresses of the interested parties shown. An early submission of these forms may save time.

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

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/izm 7-16-57
cc to: Mr. Ching
Admr.'s Reading File
DMEA FT Reg. I (2)

8623

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RECEIVED JUL 5 1957

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

Date July 3, 1957

DMEA Docket No. 4754
DMEA Contract No.
Commodity Uranium
Name of applicant E-dah-how Uranium, Inc.
Name of property The Mother Lode, Donna Lou, Ruth etc.
Location of property Lemhi County, Idaho
Estimated cost of project

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 5/29/57. 2. Date received by reviewer: 6/3/57

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

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

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

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

7. Explain items marked yes above:

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

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

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

IN REPLY REFER TO:

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DMEA
JUL 3 1957

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Memorandum		

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

July 2, 1957
Re: DMEA 4754
E-Dah-How Uranium, Inc.
Mother Lode, etc. claims
Lemhi County, Idaho
$46,895.00 - Uranium

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 by drilling, crosscutting, and drifting a monolithic outcrop of uranium-bearing material.

Trenching has revealed, according to the application, a bed of rhyolite showing radioactive material for 3,000 feet and a width (thickness?) of 6 feet. Several hundred tons of material are exposed. Two samples appear to have been taken, one of which contained 0.214% U_3O_8, the other 2.25%.

The information is indefinite but an examination is indicated.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Salmon, Idaho
June 18, 1957

Ernest William Ellis, Director
Division of Rare and Miscellaneous Metals
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: Docket No. DMEA-4754 (Uranium)
Mother Lode, et al., Claims
Lemhi County, Idaho.

Dear Sir:

I am submitting the following additional information you requested in your letter of June 10, 1957.

I. Description of Property:

The proposed property is located seven (7) miles South of Salmon City, Idaho, on U.S. Highway No. 93, and lies in Section 7, Township 20 North, Range 22, E.B.M., and the Northern Part of Section 17 & 18, Township 20 North, Range 22, E.B.M.

II. Description of Ore Outcropping and Work Done:

One Monolithic outcrop of U308 estimated at 80 tons on Mother Lode Claim; Crosscut 50' in height and 100' wide; ore showing material 75' wide and 6' thick and not showing a true depth of deposit.

Above Mother Rock and to the South a crosscut 150' wide and 20' in height ore showing above outcrop 6' in height and 4' wide.

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III. Description of Sampling and Assay Reports:

The sampling mentioned in application of 0.120 has been misplaced but are sending certified photo copies of assays received since original application was filed.

Assay No. I, assayed by Smith Laboratory, Moab, Utah, was taken from ore deposit No. I, shown on map, by hand sorting method, calibrated machine by known sample, for the purpose of a average ore shipment by hand calibrating from the ore pile accumulated from the crosscut made by exposing the ore deposit; this deposit has a face of 10' in height and not exposing a true depth and is approximately 25' in width at the bottom of Hogback.

Assay No. 2, assayed by Brown Laboratory, Grand Junction, Colorado, was a deliberate hand picked high grade sample taken at about the center of No. 4 cut shown on map. This ore cut is not exposed enough to sample for possible ore shipment.

All ore deposits shown on map are not of commercial grade shipable material.

IV. Outline of Work to be Done:

(a)	1000' feet of Drifting and crosscutting on ore body @ $33.00 per ft. ----------	33,000.00
(b)	Estimated caterpillar work to be done 80 hours @ $14.00 per hr. ----------	1,120.00
(c)	100' of Timbering @ $6.00 per ft. ------	600.00
(d)	2000' of Drilling @ $6.00 per ft. -----	12,000.00
(e)	50 Assays @ $3.50 per Assay -----	175.00
		$46,895.00

All of the above proposed work is to be done on the Mother Lode Lease.

Very truly yours,

E-Dah-How Uranium, Inc.

W. W. Lowe

W. W. Lowe, President

Encls.

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

E-Dah-How Uranium, Inc.
Salmon
Idaho

May 28, 1957

Sample Description	% U_3O_8	% V_2O_5	%	%	%	%
#1	0.214					

State of Idaho
County of Bingham

I, Frank H. Fowler, do hereby certify this to be a true copy of the original.

Frank H. Fowler

Subscribed and sworn to before me this 19th day of June, 1957.

Notary Public
Blackfoot, Idaho
My commission expires 3/15/61

TOTAL CHARGES $3.00

J. Earl Smith
CHEMIST

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DATE | REMARKS | CODE

THE BROWN LABORATORY

2263 Broadway
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

E-DAH-HOW Uranium, Inc.
P.O. Box 1081
Salmon, Idaho

Date 5-29-57
Order No. 9103-S

Material: Ore Sample
Received: 5-29-57
For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU3O8	Chemical %U3O8	%V2O5	%CaCO3
9103-1	5-24-57			2.25		

State of Idaho
County of Bingham

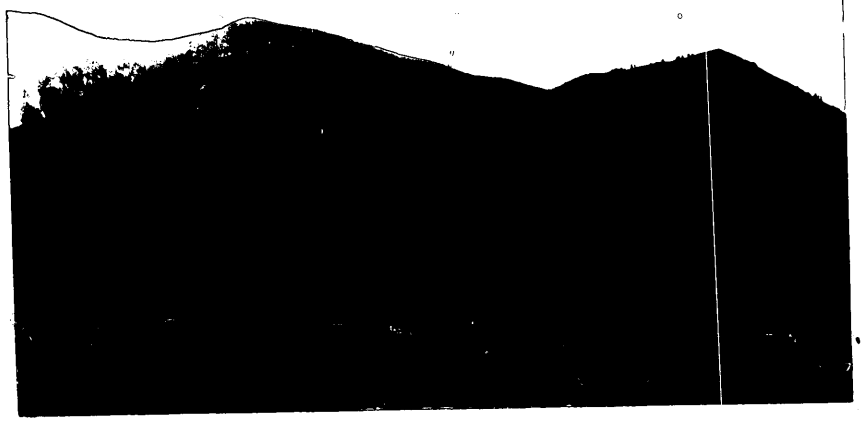
I, Frank H. Fowler, do hereby certify this to be a true copy ~~of the original~~.

Frank H. Fowler

Subscribed and sworn to before me this 19th day of June, 1957.

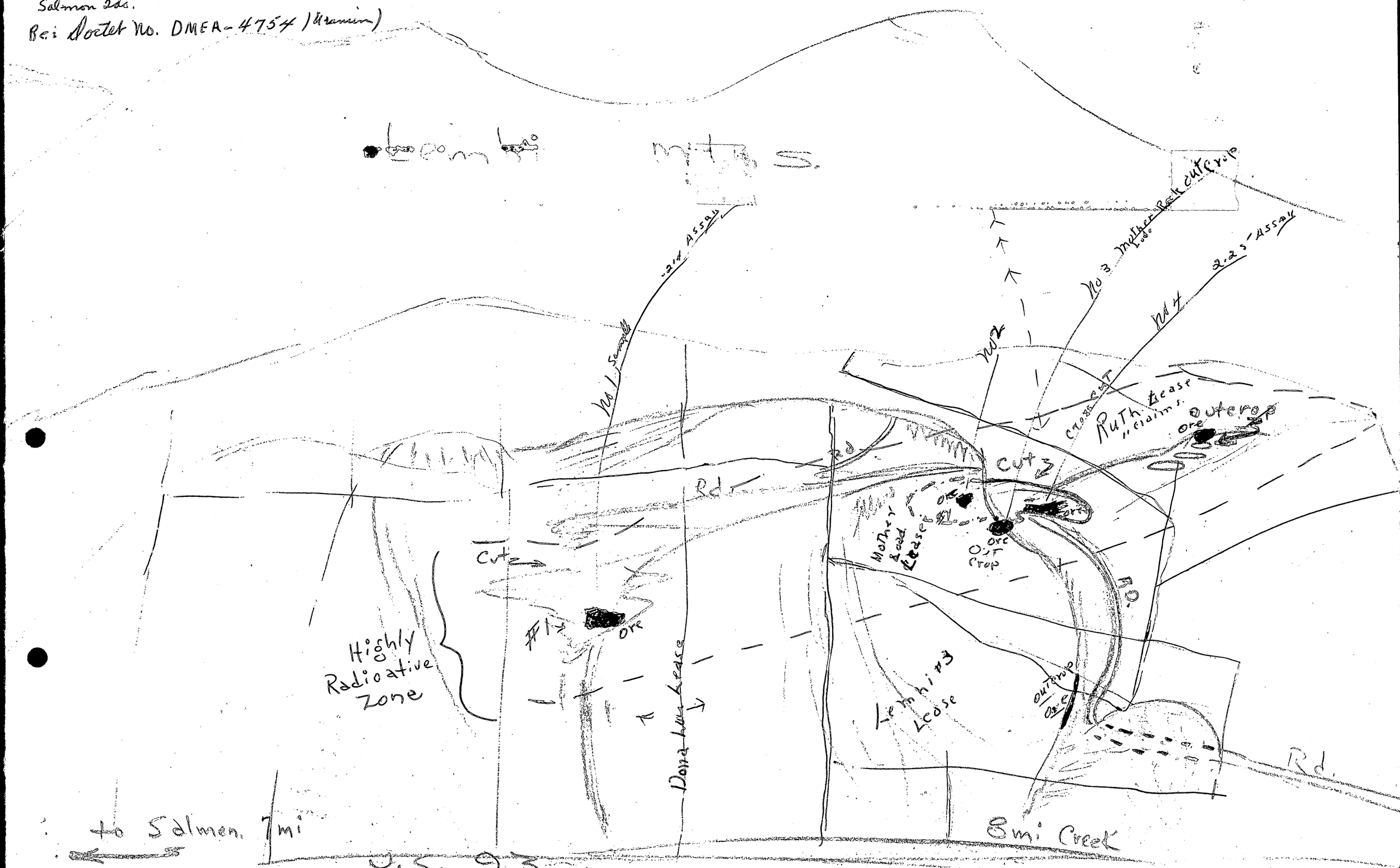
Notary Public
Blackfoot, Idaho My commission expires 3/15/61

Analyst.



RECEIVED
DATE

E-doh-how Uranium Inc.:
Salmon Ids.
Re: Docket No. DMEA-4754 (Uranium)



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RECEIVED JUN 24 1957

DATE	INITIALS	CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/24	Ching	700
6/24	Ellis	700
"	Matthews	100
6/25	C	220
		700

JUN 24 1957

Mr. Sherman P. Furey, Jr.
Attorney at Law
Salmon, Idaho

Re: Docket No. DMEA-4754 (Uranium)
E-deh-how Uranium, Inc.
Mother Lode, et al., Claims
Lemhi County, Idaho

Dear Mr. Furey:

This is in response to your letter of June 17, 1957, addressed to Mr. Allen S. Bakan of our Operations Control and Statistics Division.

Enclosed is a copy of our letter of June 10, 1957, addressed to Mr. Weston V. Love, President of E-deh-how Uranium, Inc. The original should have been received by Mr. Love before your letter was dispatched. You will find a partial answer to your questions in this letter.

You will note that the application, as received, was inadequate for further processing. As soon as the requested supplemental information is received, we will refer the application to our Field Team for further consideration. Whether or not a field examination is made, will be dependent upon the information made available to us. In any event, the more complete the information furnished the less chance for further delay.

We trust that this will give you the information that you seek.

Sincerely yours,

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

Copy to: Mr. Weston V. Love
MChing/icm 6-24-57
cc to: Mr. Ching
Adm.r's Reading File
DMEA FT Reg. I MV Dist. (2)

8623

SHERMAN F. FUREY, JR.
ATTORNEY AT LAW
SALMON, IDAHO

June 17, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 21 1957

DATE	INITIALS	CODE
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"	[illegible]	700

Mr. Allen S. Dakan, Director
Operations Control and Statistics Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: DMEA 4754

Dear Mr. Dakan:

I have been representing the E-Dah-How Uranium, Inc. since its organization and have read your letter of May 31st acknowledging receipt of the Corporation's application for exploration assistance dated May 27, 1957.

Can you tell us at this time approximately how long it will be before someone from your administration will be out here on the ground to look over this property? These people have spent a lot of time and money uncovering ground and blocking out what they consider to be a very valuable body of ore and they have also spent considerable time and money on roads, as a result of which the access problem has been completely eliminated. They are, of course, concerned about keeping this matter moving as fast as possible and it would be very helpful to them and to me in explaining this matter to the other people in the Company if we could have some idea as to how rapidly you could move this thing along.

With our thanks for any help you can give us on the above matter, I am,

Very truly yours,

Sherman F. Furey, Jr.

Sherman F. Furey, Jr.

SFF:wb
cc: Mr. Ed Sargent

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/7	Ching	700
"	Ellis	700
10	Wednesday	100
6/10	C	220
		700

JUN 10 1957

Mr. Weston W. Lowe, President
E-dah-how Uranium, Inc.
Salmon, Idaho

Re: Docket No. DMEA-4754 (Uranium)
Mother Lode, et al., Claims
Lemhi County, Idaho

Dear Mr. Lowe:

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

You must first show that your property is worth further investigation by the DMEA. In this case, you should present the following additional information in quadruplicate (four copies of each):

1. A description of the location of the property, including section, township and range if in a surveyed area.

2. A description of the ore outcrop and of the work which you have done on it, including any drilling, trenching, or other excavations.

3. A description of sampling that you have done and certified copies of any assay reports covering such samples.

4. An outline of the work which you wish to do, whether it is drilling, drifting, or sinking, and an estimate of the cost of the proposed work. If possible, the proposed work and boundaries of all the claims should be shown on a map or sketch of your property. The sketches should be approximately twice the size of the one you submitted with your application.

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

Sincerely yours,

MChing/gla
6-7-57
cc to: Admr.'s Reading File
Code 700, Mr. Ching
THKiilsgaard, 5224
DMEA Field Team, Region I, NWDist. (2)

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

8623

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

May 31, 1957

COPY

Mr. Weston W. Lowe, President,
E-dah-how Uranium, Inc.,
Salmon, Idaho.

Subject: DMEA 4754

Dear Mr. Lowe:

Your application for exploration assistance, dated May 27, 1957, submitted to our office at Spokane, Washington, has been assigned Docket Number DMEA 4754 and referred to the Rare & Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region I-NW

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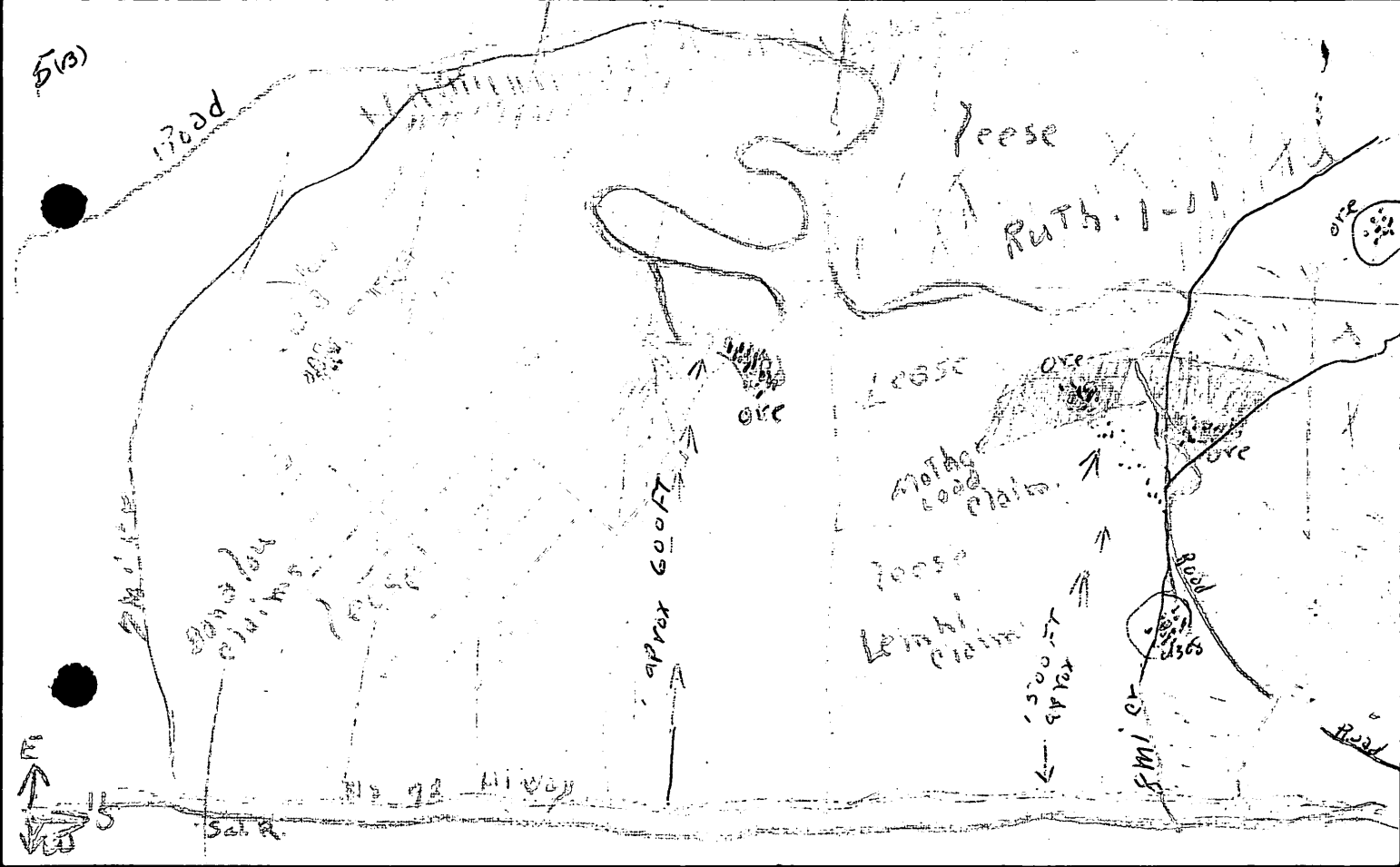
Road
Lease
Ruth 1-11
ore
Lease
ore
ore
Mother Lode Claim
ore
Lease
Lemhi Claim
approx 600 FT
approx 1500 FT
Road
Road
Road
Sal R.
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RECEIVED MAY 31-1957

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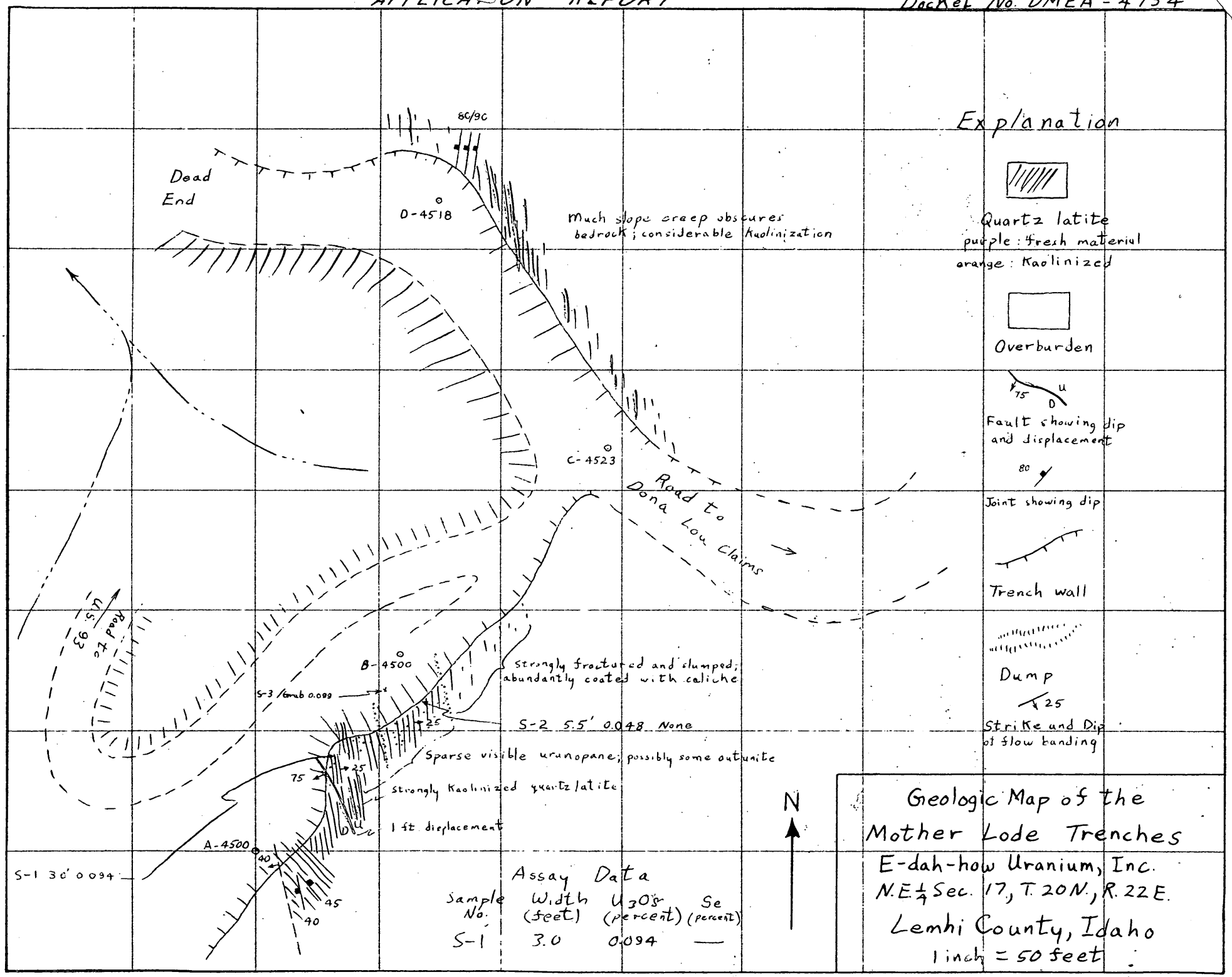

"ALBANENE" NO. 108M K&E CO., N.Y. REG. U.S. PAT. OFF.
J. A. Gondron Co., Spokane

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" Chang 700

So. 157 Howard Street
Spokane 4, Washington

October 1, 1957

Mr. Arthur E. Granger, Manager
Salt Lake Area Office
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Docket No. DMEA-4754 (Uranium)
E-dah-how Uranium, Inc.
Mother Lode, et al. claims
Lemhi County, Idaho

Dear Mr. Granger:

Enclosed is a copy of an application received from Mr. Weston W. Lowe, president of E-dah-how Uranium, Inc., Salmon, Idaho, to explore for uranium on the Mother Lode, et al. claims in Lemhi County, Idaho. Also enclosed is a copy of our report on our findings and recommendations.

We have a Preliminary Reconnaissance Report (B-B-189) by L. D. Jarrard wherein he describes a visit on March 24, 1955 to the Donna Lou No. 1 claim which is included in this application. Mr. Jarrard stated that the property was worthy of further attention.

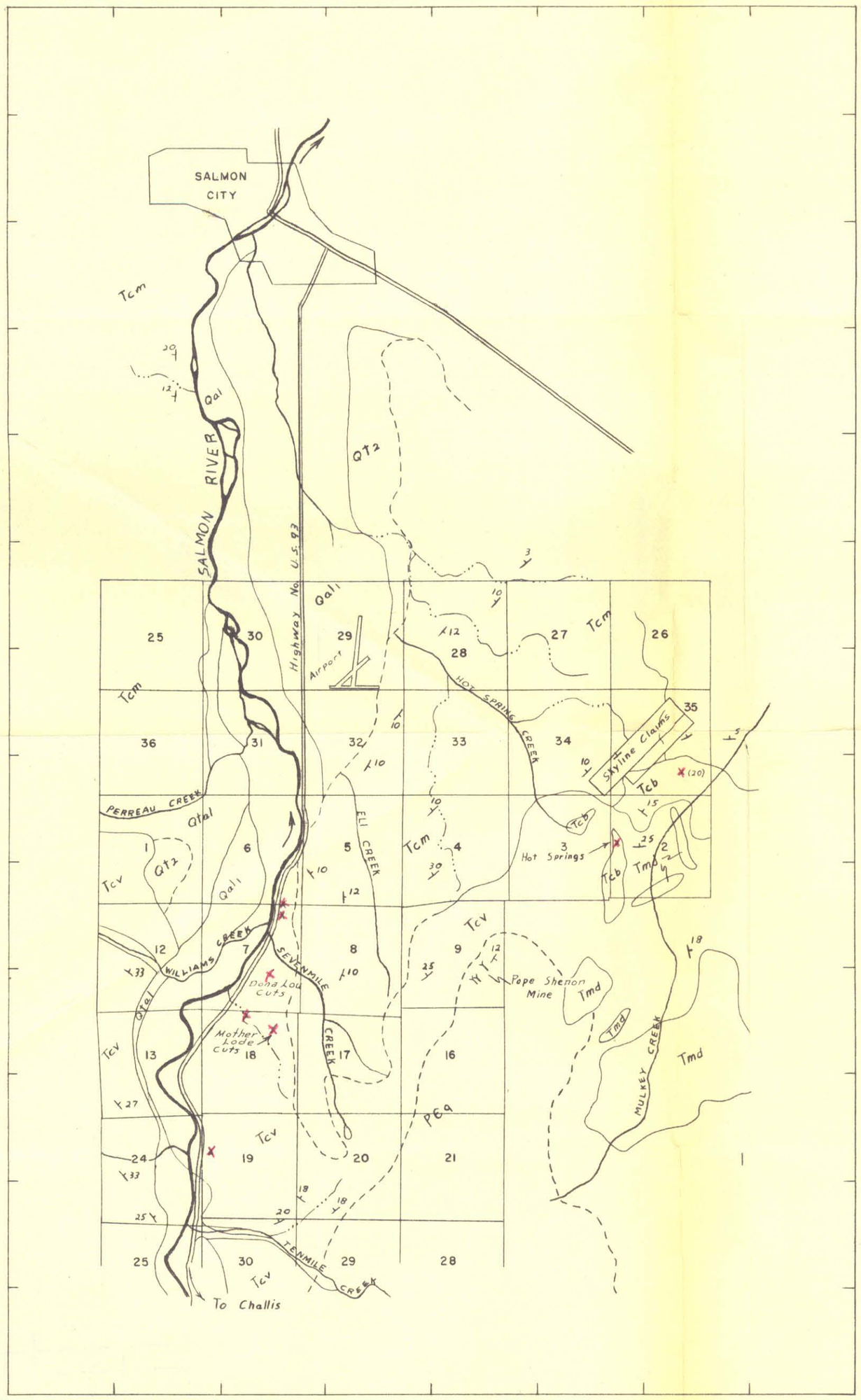
We would appreciate receiving any additional information you may have, and your views as to the merits of this property.

Sincerely yours,

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: DMEA (2)
USBM (2)
Alvord



EXPLANATION

SURFICIAL DEPOSITS

QUATERNARY

- **Recent**
  - **Qal** — Flood-plain alluvium (mapped along Salmon and Lemhi River Valley bottoms)
  - **Qal₁** — Older flood-plain alluvium (no longer reached by flood waters, slightly terraced by present flood plain)
- **Pleistocene to Recent**
  - **Qtal** — Lower terrace alluvium (borders river valleys but forms younger alluvium along tributary streamways)
- **Pleistocene**
  - **Qt2** — Terrace gravel (on intermediate terrace)

BEDDED ROCKS

TERTIARY

- **Miocene**
  - **Tcm** — Carmen formation (chiefly well-bedded siliceous shales and sandstones with some intercalated bentonitic clays and lignite)
- **Oligocene**
  - **Tcb** — Basalt (basalt-calcic andesite member of Challis volcanics mapped separately)
  - **Tcv** — Challis volcanics (undifferentiated andesite and latite flows, quartz Latite and rhyolite flows and ignimbrites, and tuffs)

PRE-CAMBRIAN

- **Belt series**
  - **PЄq** — Quartzite (metamorphosed impure quartzitic rocks)

INTRUSIVE ROCKS

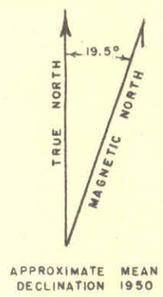
TERTIARY

- **Miocene**
  - **Tmd** — Dacite and quartz latite porphyry (dikes and small stocks)

Fault inferred

Strike and dip of beds

Location of radioactivity



APPROXIMATE MEAN DECLINATION 1950

NOTE: Map copied from Idaho Bureau of Mines and Geology, Pamphlet 106. Geology and Mineral Resources of the Salmon Quadrangle by A.L. Anderson.

Geologic Map showing the approximate location of Mother Lode and Dona Lou trenches E-dah-how Uranium, Inc.

Lemhi County, Idaho

1 0.5 0 1 2 3 4 MILES

1 inch = 1 mile

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

PLATE I