R. R. CASTO P. M. CRISMON ORRIN FISHER HAROLD E. CULVER

CRISMON & NICHOLS
ASSAYERS AND CHEMISTS
229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417 P. O. BOX 1708

REPORT OF ASSAY

Leesburg Uranium Inc. SALT LAKE CITY, UTAH June 16, 1956

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	1	0.43	43.00	25.00	4.95					$ 15.05
	2	1.44	35.30	11.30	0.25					$ 50.40

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REMARKS:

CHARGES $ 7.00 Paid

Case 3

CRISMON & NICHOLS
BY P. M. Crismon

MF-103
(Revised April 1962)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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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. 4521
Metal or Mineral Copper - Lead
Date Received 10-29-56
Estimated Cost $129,050 Wkng
Participation (Government %) 103,55

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: Leesburg Uranium Inc. a corporation organized under the laws of the State of Idaho. 230 North Second Avenue, Pocatello, Idaho
J. E. Tarr, Jr., President; Don Hansen, Vice President; Leo Munk, Sec. 230 North Second Avenue, Pocatello, Idaho

(*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
"EL DORADO" Lode Mining Claim U. S. Survey No. 38A
"EL DORADO" Patented Millsite, U. S. Survey No. 38B

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

(*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. Patented claims

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. Geologic Report, Eng. maps, Assay maps and Tech. information --- not available

(*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.

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16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore copper, lead, quartz cystals tals

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

(*c*) The work will start within 120 days and be completed within 90 days ~~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)? Yes.

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

[X] Money [X] 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 October 10, 1956, 195__

Leesburg Uranium, Inc.
(Applicant)

By [signature]

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) This property was located prior to 1890 and was operated steadily till 1898, when a snow slide interrupted operation, wiping out mill and other equipment, 150 feet of tunnel and stope were mined, and according to applicant's best information several million dollars worth of Lead, Copper, Zinc Silver and Gold were taken out of the mine. This ore was shipped to U. S. Smelting, at Salt Lake City, Utah, and American Smelting at Salt Lake City, Utah.

No mining or exploration operators are now being conducted. Applicant's interest is that of lessee.

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OCT 29 1956

(b) Current Production: none.

Past Production: Dated back in a period between 1890 and 1898, no records available, see above in 4. (a).

Ore Reserves: There is a small amount of ore on the dump, but the rest of it appears to be considerable quanity in a vein about 5 feet wide and 1300 feet long, depth known to go at least 150 feet, but no test has been made to ascertain the full depth of the vein.

Grades of Ore: Refer to assay sheet.

(c) Geologic Geatures: The geologic features of the property are that the vein is located on the side of the mountain about 1,000 feet below the continental Divide, between the Idaho and Montana about 10 miles East of Salmon, Idaho, a vein is exposed on a mountain side for about a quarter of a mile.

Mineralization: Refer to assay report.

Type of Deposit: Vein, although some of it appears to be bedded, and it is possible that some of it could be worked with open pit mining.

(d) Accessibility to the Project: Is by way of a paved road for about seven miles from Salmon, Idaho, Southeast, thence about seven miles over a mountain road, which reaches within 3/4 of a mile of the tunnel. The only access for the 3/4 of a mile is on foot.

Distant to Nearest R. R. Shipping Point: Is approximately 140 miles, Roberts, Idaho, or to Armstead, Montana, 70 miles.

Supply Point: Salmon, Idaho 15 miles.

Residence Point: Salmon, Idaho, 15 miles, however due to the rugged terrain it would be necessary to house all employees at the mine.

(e) Availability of Manpower: It is estimated that 10 to 15 employees will be needed, at least 3 employees are interested in the mining corporation, and the rest would be easily available at or near Salmon, Idaho. Salmon is

an old mining town, and miners are generally available there.

Material Supply Point: Salmon, Idaho, 15 miles. Timber is available at mine site, there is some standing timber on the mining claim.

Water: Two lakes about a mile from the face of the tunnel. Water would have to be pumped from these lakes.

Power: No electricity within 7 or 8 miles, except rural lines. Would plan on using deisel or gasoline power equipment.

5. (b) Description of Proposed Work: Sketch of property showing of plan is submitted herewith. The proposed work is generally that the present tunnel will be opened up. The vein shows at the termination of the tunnel and it is proposed to carry on further exploration work from the end of the tunnel as soon as the same is cleared out and can be used.

It is also proposed to diamond drill the mountain side where the vein occurs to ascertain the depth of the vein and also the ore bearing percentage of such samples as are taken.

(d) Experience and Background of Applicant and Officers: Officers and associates have been mining 10 years, and William Firebaugh who will supervise the work has been a hard rock miner for 15 years, for the Kennecot Copper, and Bunker Hill Mines.

Estimate of Costs:

(a) Independent Contracts: None.

X (b) Labor: Bulldozer and operators for building access road 1500 hours @ $12.00 per hour..... ... . $18,000.00

X Jack-leg drilling for road construction including power, bits and drill steel. 1500 hours @$5.00 per hour..... 7,500.00

Costs of Road 25,500.00

X Exploration Work: 1200 feet of Diamond Drilling at $6.25 per foot..... 7,500.00

X Bulldozing for open pit exploration 300 hours @$12.00 per hour 3,600.00

X Labor to rehabilitate 150 feet of tunnel at $25.00 per foot..... ..... 3,750.00

	Laborers, carpenters, truck drivers & plumbers 800 hours @$2.00 per hour.....	1,600.00
	Engineering: 1 month services of Mining Engineer	1,000.00
	Supervision 3 months @$500.00	1,500.00
	Geological Consultant 1 month @ $1,000.00.....	1,000.00
(c)	Drilling supplies for Diamond Drill 1000 feet of steel @$1.60 per foot	1,600.00
	Bits for same.....	2,000.00
	Dynamite	1,000.00
	Fuel for compressors, Drill and Pump..	12,000.00
(d)	4000 feet 2 in. water line @$1.00.....	4,000.00
	Timber for 5 bridges	2,500.00
	4 Wheel Drive Unit.....	4,000.00

Equipment owned: Use allowance, (This is included in above estimate)

Bulldozer owned by applicant, reasonable use allowance $12.00 per hour including fuel, operator and maintenance.

Diamond Drill Rig-Reasonable Rental $1,000.00 per month.

Compressor $500.00 per month.

2 Jack-legs Drill $600.00 per month.

Dump Truck $500.00 per month.

Jeep $100.00 per month.

Ford Pickup Truck Used $50.00 per month.

2 Water Pumps $50.00 per month.

2 Chain saws $50.00 per month.

New (Firebaugh's) Ford Pickup $100.00 per month.

Miscellaneous Tools $50.00 per month.

(e) Rehabilitation & Repairs:

Repair Bulldozer $2,000.00

Drill Rig..... 1,000.00

(f) New Building Improvements Installations:

Maintenance Shop..... 5,000.00

Living quarters for 10 men- Bunk House.. 5,000.00

Mess Hall 5,000.00

(g) Analytical Work:

Assaying 1,000.00

Accounting 1,000.00

Workmen's Compensation..... 500.00

Employers Liability Insurance.... .... 500.00

Payroll Taxes 5,000.00

(h) Contingencies-- Allowance not included,. 5,000.00

Use of Equipment:

7. (b) The use of the equipment should be sufficient to care for our share of cost, however if money is needed a limited amount can be furnished.

MF-205
(Combines and supercedes M[redacted]nd MF-203)
June 1956

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EX[redacted]ON PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

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CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described as follows: 2/

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

Encl. 2

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 5th day of December, 1956.

GEORGE L. SHOUP, NELLIE B. SHOUP
MARGARET E. SHOUP ANDERSON, JAMES [Seal] _____ [Address]
ANDERSON, GEORGE ELMO SHOUP, WILLIAM
R. SHOUP, LULU E. SHOUP, RICHARD [Seal] _____ [Address]
M. SHOUP, ROSE M. SHOUP
By George L. Shoup [Seal] _____ [Address]
By Richard M. Shoup [Seal] _____ [Address]
Attorneys-in-Fact
George L. Shoup. [Seal] Tendoy, Idaho [Address]
Richard M. Shoup [Seal] Salmon, Idaho [Address]

I, J. B. Tarr Jr. certify that I am the Pres (Secretary, etc.) of the corporation named herein; that J. B. Tarr Jr who signed this agreement was then duly elected (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____
[Corporate Seal]

MF-205
(Combines and supercedes MF[redacted]nd MF-203)
June 1956

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EXP[redacted]ON PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

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CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described as follows: 2/

"EL DORADO" Lode Mining Claim, U. S. Survey No. 3[illegible]A

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

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5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 5th day of December, 195_0

GEORGE L. SHOUP, MARIE D. SHOUP
MARGARET E. SHOUP ANDERSON, [Seal] _____ [Address]
ANDERSON, GEORGE EZRA SHOUP, WILLIAM
E. SHOUP, ALLEN E. SHOUP, EDWARD [Seal] _____ [Address]
E. SHOUP, ROSS E. SHOUP
By George L. Shoup [Seal] _____ [Address]
By Richard M. Shoup [Seal] _____ [Address]
Attorneys-in-Fact
George L. Shoup [Seal] Conley, Idaho [Address]
Richard M. Shoup [Seal] Salmon, Idaho [Address]

I, J. B. Tarr certify that I am the Pres. (Secretary, etc.) of the corporation named herein; that J. B. Tarr who signed this agreement was then Duly Elected (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ [Corporate Seal]

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Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described as follows: 2/

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

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5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 5th day of December, 1956

GEORGE L. SHOUP, NELLIE B. SHOUP MARGARET E. SHOUP ANDERSON, JAMES ANDERSON, GEORGE ELMO SHOUP, WILLIAM R. SHOUP, LULU E. SHOUP, RICHARD M. SHOUP, ROSE M. SHOUP [Seal] _____ [Address]

By George L. Shoup [Seal] _____ [Address]

By Richard M. Shoup [Seal] _____ [Address]

Attorneys-in-Fact

George L. Shoup [Seal] Tendoy, Idaho [Address]

Richard M. Shoup [Seal] Salmon, Idaho [Address]

I, J. B. Tenk certify that I am the Sec (Secretary, etc.) of the corporation named herein; that J. B. Tenk who signed this agreement was then Duly Elected (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ [Corporate Seal]

MF-205
(Combines and supercedes MF[redacted]nd MF-203)
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Operator
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Contract Date

RECEIVED DEC 18 1956

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described as follows: 2/

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

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5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 5th day of December, 195_6

GEORGE L. SHOUP, NELLIE B. SHOUP MARGARET E. SHOUP ANDERSON, JAMES ANDERSON, GEORGE ELMO SHOUP, WILLIAM A. SHOUP, LEWIS E. SHOUP, RICHARD M. SHOUP, ROSE N. SHOUP [Seal] _____ [Address]

By George L. Shoup [Seal] _____ [Address]

By Richard M. Shoup [Seal] _____ [Address]

Attorneys-in-Fact

George L. Shoup [Seal] Salmon, Idaho [Address]

Richard M. Shoup [Seal] Salmon, Idaho [Address]

I, J. E. Tarr Jr certify that I am the Pres. (Secretary, etc.) of the corporation named herein; that J. E. Tarr Jr who signed this agreement was then Duly Elected (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ [Corporate Seal]

MF-205
(Combines and supercedes MF[redacted]nd MF-203)
June 1956

For Government's Use Only
EXP[redacted]ON PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
DEC 10 1956
U. S. G. S.
SPOKANE, WASH.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described as follows: 2/

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 5th day of December, 195 6

GEORGE L. SHOUP, NELLIE B. SHOUP
MARGARET E. SHOUP ANDERSON, JAMES [Seal] _____ [Address]
ANDERSON, GEORGE ELMO SHOUP, WILLIAM
R. SHOUP, LILLI E. SHOUP, RICHARD [Seal] _____ [Address]
M. SHOUP, ROSE H. SHOUP
By George L. Shoup [Seal] _____ [Address]
By Richard M. Shoup [Seal] _____ [Address]
Attorneys-in-Fact
George L. Shoup [Seal] Tendoy, Idaho [Address]
Richard M. Shoup [Seal] Salmon, Idaho [Address]

I, J. E. Tarr Jr certify that I am the Sec (Secretary, etc.) of the corporation named herein; that J. E. Tarr Jr who signed this agreement was then Duly Elected (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ [Corporate Seal]

IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4521

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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9774

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

RECEIVED
OCT 29 1956

October 25, 1956

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

Re: New application (Copper-Lead-Quartz Crystals)
Leesburg Uranium, Inc.
El Dorado Mine
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application from Leesburg Uranium, Inc., for aid in exploration project to explore for copper, lead, and quartz crystals in Lemhi County, Idaho. Also enclosed are two copies of our letter to the applicant requesting additional information.

Sincerely yours,

D R Macharen

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

Enclosures
cc: USBM(2)

LEASE AND OPTION TO PURCHASE MINING

PROPERTY

THIS AGREEMENT, Made and entered into this 20th day of June, 1956, by and between GEORGE L. SHOUP and NELLIE B. SHOUP, husband and wife, MARGARETTE SHOUP ANDERSON and JAMES ANDERSON, her husband, GEORGE ELMO SHOUP, a bachelor, WILLIAM R. SHOUP and LULU E. SHOUP, husband and wife, RICHARD M. SHOUP and ROSE M. SHOUP, husband and wife, parties of the first part and hereinafter referred to as LESSORS, and J. E. TARR, JR., DON H. HANSEN, BILLY N. WORRELL, and WILLIAM B. FIREBAUGH, parties of the second part and hereinafter referred to as LESSEES,

WITNESSETH:

That the Lessors, for and in consideration of the sum of ONE AND NO/100 DOLLARS ($1.00), the receipt whereof is hereby acknowledged, and in further consideration of the covenants and agreements to be performed by the said Lessees, have let and demised and do, by these presents, lease, demise and let unto the said Lessees, the following described mining property situate in the County of Lemhi, State of Idaho, to-wit:

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A
"EL DORADO" Patented Millsite, U. S. Survey No. 38B

Together with all water, water rights, ditches and ditch rights, roads and rights-of-way, dips, spurs and angles, metals and ores, buildings, structures, and mining equipment, and any and all appurtenances thereto belonging or used in connection therewith.

TO HAVE AND TO HOLD Unto the said Lessees for a term of five years, beginning with the date hereof and ending at twelve o'clock noon on the 20th day of June, 1961, unless sooner forfeited or determined by the agreements and stipulations hereof.

IT IS HEREBY MUTUALLY COVENANTED AND AGREED BY THE PARTIES HERETO AS FOLLOWS:

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC,
Pocatello, Idaho

1. That the Lessees will enter and take immediate possession of the herein described mining property and will thereafter and during the full term of this lease, or so long as the same may be in full force and effect, work and mine said leased premises in a good and miner-like manner with due regard to the safety, development and preservation of the mining premises as a workable mine, continually operating the same, which continuous operation shall be construed to mean that the Lessees shall perform at least forty (40) mine shifts of work per each and every calendar month during the continuance hereof, which said work shall begin on July 1, 1956.

2. That the Lessees shall pay to the Lessors, or their order, a royalty or rent for the herein described premises of ten per cent (10%) of the net smelter or mint returns, which said smelter or mint returns shall be construed to mean the gross value of products sold from the premises, together with all Government bonuses, subsidies and mining inducement payments, less smelter or mint treatment charges thereon and less reasonable transportation charges from mine to market, which said royalty shall be paid direct from the purchaser of the products from the premises, with a copy of sales return, to the Lessors as follows:

George L. Shoup, Tendoy, Idaho, one-fifth (1/5) thereof;
Margaret E. Shoup Anderson, 940 Sky Line Drive, Laguna Beach, California, one-fifth (1/5) thereof;
William R. Shoup, 542 South Third West, Missoula, Montana, one-fifth (1/5) thereof;
Richard M. Shoup, Salmon, Idaho, one-fifth (1/5) thereof;
George Elmo Shoup, Salmon, Idaho, one-fifth (1/5) thereof.

That all such royalty payments shall apply upon the purchase price of the mining premises as hereinafter set forth.

3. That the Lessees shall keep an accurate record of all work done, products milled and shipped and all products sold, to which the Lessors, or their agent, may have access at all reasonable times for inspection.

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC,
Pocatello, Idaho

4. That the Lessees will ship to a smelter or purchaser, within a reasonable time after the same is mined or produced, any and all mineral products of the premises and notice shall be given to the Lessors the names of the purchasers to whom the products are being sold.

5. That the Lessees shall keep all drifts, shafts, tunnels and workings made by them, at all times, thoroughly drained and clear of loose rock and rubbish.

6. That the Lessees will assume full responsibility in case of accident to the Lessees, their employees, or any other persons in and about the said premises, and comply with the Idaho Workmen's Compensation, Social Security Unemployment Compensation and any and all other laws, both State and Federal, pertaining to the insurance, and working of employees and pertaining to the mining of said property. All bills and expenses incurred by Lessees, or their assignees, shall be promptly paid by them and they shall prevent the filing of any liens of miners, merchants or material men against said demised premises, or any interest therein that the Lessees, or their assignees, may have; and to keep posted, in at least two conspicuous places, on said premises, the notices as required by law to protect the said Lessors.

7. That assignment may be made of this lease subject to the terms hereof, provided, however, that written notice of such assignment and all assignments made shall be given to the Lessors within thirty (30) days of the making thereof.

8. That the Lessees shall put to a beneficial use and protect any and all water and water rights appurtenant to and belonging to the premises.

9. That the Lessors, or their designated agents, shall have the right and privilege of entering upon and in the said premises, or any part or portion thereof, at any and all reasonable times for purposes of inspection.

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC,
Pocatello, Idaho

10. That the Lessees shall not allow any person not privy with the parties hereto to hold possession of any of the herein described premises, or any part or portion thereof, under any pretext whatsoever.

11. That all buildings, structures, ore bins and rail placed underground shall become affixed to the premises and be a part and portion thereof without right of removal to the Lessees and become the property of the Lessors when placed upon the premises. All mining machinery, equipment, supplies and personal property placed upon the herein described premises by the Lessees may be removed by them at any time during the continuance hereof or within thirty (30) days after termination and all such property left upon the premises thirty (30) days after termination of this lease by time, or default, shall be and become the property of the Lessors and be considered additional rent for the use and occupation of the premises.

12. That the Lessees covenant and agree to pay and discharge all reasonable costs, attorney fees and expenses that shall be made and incurred by the Lessors in enforcing the covenants and agreements of this lease or protecting their rights hereunder.

IT IS FURTHER MUTUALLY AGREED By the parties hereto that the Lessors hereby give and grant to the Lessees the exclusive right and option to purchase the herein described premises and the appurtenances thereof for a full purchase price of FIFTEEN THOUSAND AND NO/100 DOLLARS ($15,000.00), which said purchase price shall be paid as follows:

$3,000.00	On or before June 30, 1957;
3,000.00	On or before the 20th day of June of each and every year thereafter until full payment.

That such payments shall be paid to the Lessors in the same proportion as the royalties as hereinbefore stated and all royalty payments made by the Lessees shall apply upon the above stated purchase price of $15,000.00,

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC.
Pocatello, Idaho

and, upon the Lessees paying the full purchase price, the Lessors shall forthwith make, execute, acknowledge and deliver a good and sufficient warranty deed to said patented mining claims described herein, conveying the same free and clear of all liens and encumbrances, excepting those that may have been placed thereon by the Lessees, as shown by a merchantable abstract of title, or title insurance at the option of the Lessors.

IT IS ALSO HEREBY FURTHER MUTUALLY AGREED That time is the essence of this agreement and, should this lease and option to purchase, for any reason whatsoever, terminate or become forfeited for failure of the Lessees to make payments as herein specified, or to carry out the terms and conditions herein stated to be done and performed by them, then all monies paid upon the purchase price, by royalty or otherwise, shall be and remain the property of the Lessors, as and for rent for the demised premises and for liquidated damages for the breach hereof, and the Lessors shall have the right of re-entry, evicting the Lessees, or any persons found upon the premises, with or without legal action; provided, however, that the Lessees shall have a period of thirty (30) days from and after written notice, directed to the Lessee, J. E. Tarr, Jr., at Pocatello, Idaho, setting forth wherein they are in default hereunder, and should the Lessees not fully correct all breaches set forth the Lessors shall take quiet and peaceful possession of the premises, as aforesaid, and the Lessees shall be obligated to pay upon demand any and all reasonable attorney fees the Lessors shall incur in enforcing their rights hereunder.

IT IS FURTHER MUTUALLY Agreed that any waiver of any of the terms, covenants or conditions herein set forth by the Lessees or their assigns to be performed, shall not be construed as a waiver of the future performance of any of such terms, covenants or conditions of the Lessees or of said option.

IT IS ALSO MUTUALLY UNDERSTOOD AND AGREED That the rights,

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC,
Pocatello, Idaho

terms and conditions of the herein agreement shall be binding upon and inure to the benefit of the heirs, executors, administrators, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year first above written.

George L. Shoup (SEAL)
George L. Shoup

Nellie B. Shoup (SEAL)
Nellie B. Shoup

Margaret E. Shoup Anderson (SEAL)
Margaret E. Shoup Anderson

Jas Anderson (SEAL)
James Anderson

George Elmo Shoup (SEAL)
George Elmo Shoup

William R. Shoup (SEAL)
William R. Shoup

Lulu E. Shoup (SEAL)
Lulu E. Shoup

Richard M. Shoup (SEAL)
Richard M. Shoup

Rose M. Shoup (SEAL)
Rose M. Shoup

J. E. Tarr (SEAL)
J. E. Tarr, Jr.

Don H. Hansen (SEAL)
Don H. Hansen

Billy N. Worrell (SEAL)
Billy N. Worrell

William B. Firebaugh (SEAL)
William B. Firebaugh

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC,
Pocatello, Idaho

STATE OF IDAHO,)
) ss
COUNTY OF LEMHI.)

On this 11th day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared GEROGE L. SHOUP, NELLIE B. SHOUP, GEORGE ELMO SHOUP, RICHARD M. SHOUP, ROSE M. SHOUP, DON H. HANSEN, BILLY N. WORRELL and WILLIAM B. FIREBAUGH, 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 State of Idaho,
Residing at Salmon, Idaho

STATE OF CALIFORNIA,)
) ss
COUNTY OF ORANGE.)

On this 2d day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared MARGARET E. SHOUP ANDERSON and JAMES ANDERSON, 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 State of California,
Residing at Laguna Beach, California.

H. DREYER
NOTARY PUBLIC, Land for the County
of Orange, State of California
My Commission Expires June 9, 1958

Photostatic Copy Made
Date 12-7-56
GATEWAY PRINTER, INC.
Pocatello, Idaho

STATE OF MONTANA,)
COUNTY OF MISSOULA.) ss

On this 31st day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared WILLIAM R. SHOUP and LULU E. SHOUP, 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.

L. D. Delaney
Notary Public for State of Montana,
Residing at Missoula, Montana.

NOTARY PUBLIC for the State of Montana
residing at Missoula, Montana
My Commission Expires Feb. 23, 1958

STATE OF IDAHO,)
COUNTY OF BANNOCK.) ss

On this 20th day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared J. E. TARR, Jr., known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he 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.

F. M. Dittline
Notary Public for State of Idaho,
Residing at Pocatello, Idaho.

RECEIVED
DEC 18 1956
D.M.E.A.

Photostatic Copy Made
Date 12-2-56
GATEWAY PRINTER, INC.
Pocatello, Idaho

LEASE AND OPTION TO PURCHASE MINING

PROPERTY

RECEIVED
OCT 29 1956

THIS AGREEMENT, Made and entered into this 20th day of June, 1956, by and between GEORGE L. SHOUP and NELLIE B. SHOUP, husband and wife, MARGARET M. SHOUP ANDERSON and JAMES ANDERSON, her husband, GEORGE ELMO SHOUP, a bachelor, WILLIAM R. SHOUP and LULU E. SHOUP, husband and wife, RICHARD M. SHOUP and ROSE M. SHOUP, husband and wife, parties of the first part and hereinafter referred to as LESSORS, and J. E. TARR, JR., DON H. HANSEN, BILLY N. WORRELL, and WILLIAM B. FIREBAUGH, parties of the second part and hereinafter referred to as lessers,

WITNESSETH:

The the Lessors, for and in consideration of the sum of ONE AND NO/100 DOLLARS ($1.00), the receipt whereof is hereby acknowledged, and in further consideration of the covenants and agreements to be performed by the said Lesses, have let and demised and do, by these presents, lease, demise and let unto the said Lessees, the following described mining property situate in the County of Lemhi, State of Idaho, to-wit:

"EL DORADO" Lode Mining Claim, U. S. Survey No. 38A
"EL DORADO" Patented Millsite, U. S. Survey No. 38B

Together with all water, water rights, ditches and ditch rights, roads and right-of-way, dips, spurs and angles, metals and ores, buildings, structures, and

mining equipment, and any and all appurtenances thereto belonging or used in connection therewith.

TO HAVE AND TO HOLD Unto the said Lessees for a term of five years, beginning with the date hereof and ending at twelve o'clock noon on the 20th day of June, 1961, unless sooner forfeited or determined by the agreements and stipulations hereof.

IT IS HEREBY MUTALLY COVENANTED AND AGREED BY THE PARTIES HERETO AS FOLLOWS:

1. That the Lessees will enter and take immediate possession of the herein described mining property and will thereafter and during the full term of this lease, or so long as the same may be in full force and effect, work and mine said leased premises in a good and miner-like manner with due regard to the safety, development and preservation of the mining premises as a workable mine, continually operating the same, which continuous operation shall be construed to mean that the Lessees shall perform at least forty (40) mine shifts of work per each and every calendar month during the continuance hereof, which said work shall begin on July 1, 1956.

2. That the Lessees shall pay to the Lessors, or their order, a royalty or rent for the herein described premises of ten per cent (10%) of the net smelter or mint returns, which said smelter or mint returns shall be construed to mean the gross value of products sold from the premises, together with all Government bonuses, subsidies and mining inducement payments, less smelter or mint treatment charges thereon and less reasonable trans-

portation charges from mine to market, which said royalty shall be paid direct from the purchaser of the products from the premises, with a copy of sales return, to the Lessors as follows:

George L. Shoup, Tendoy, Idaho, one-fifth (1/5) thereof;
Margaret M. Shoup Anderson, 940 Sky Line, Laguna Beach, California, one-fifth (1/5) thereof;
William R. Shoup, 542 South Third West, Missoula, Montana, one-fifth (1/5) thereof;
Richard M. Shoup, Salmon, Idaho, one-fifth (1/5) thereof;
George Elmo Shoup, Salmon, Idaho, one-fifth (1/5) thereof.

That all such royalty payments shall apply upon the purchase price of the mining premises as hereinafter set forth.

3. That the Lessees shall keep an accurate record of all work done, products miled and shiped and all products sold, to which the Lessors, or their agent, may have assess at all reasonable times for inspection.

4. That the Lessees will ship to a smelter or purchaser, within a reasonable time after the same is mined or produced, and and all mineral products of the premises and notice shall be given to the Lessors the names of the purchasers to whom the products are being sold.

5. That the Lessees shall keep all drifts, shafts, tunnels and workings made by them, at all times, thoroughly drained and clear of loose rock and rubbish.

6. That the Lessees will assume full responsibility in case of accident to the Lessees, their employees, or any other persons in and about the said premises, and comply with the Idaho Workmen's Compensation, Social Security Unemployment Compensation and any and all other laws, both State

and Federal, pertaining to the insurance, and working of employees and pertaining to the mining of said property. All bills and expenses incurred by Lessees, or their assignees, shall be promptly paid by them and they shall prevent the filing of any liens of miners, merchants or material men against said demised premises, or any interest therein that the Lessees, or their assignes, may have; and to keep posted, in at least two conspicuous places, on said premises, the notices as required by law to protect the said Lessors.

7. That assignment may be made of this lease subject to the terms hereof, provided, however, that written notice of such assignment and all assignments made shall be given to the Lessors within thirty (30) days of the making thereof.

8. That the Lessees shall put to a beneficial use and protect any and all water and water rights appurtanant to and belonging to the premises.

9. That the Lessors, or their designated agents, shall have the right and privilege of entering upon and in the said premises, or any part or portion thereof, at any and all reasonable times for purposes of inspection.

10. That the Lessees shall not allow any person not privy with the parties hereto to hold possession of any of the herein described premises, or any part or portion thereof, under any pretext whatsoever.

11. That all buildings, structers, ore bins and rail placed underground shall become affixed to the premises and be a part and portion thereof without right of removal to the Lessees and become the property of the Lessors

when placed upon the premises. All mining machinery, equipment, supplies and personal property placed upon the herein described premises by the Lessees may be removed by them at any time during the continuance hereof or within thirty (30) days after the termination and all such property left upon the premises thirty (30) days after termination of this lease by time, or default, shall be and become the property of the Lessors and be considered additional rent for the use and occupation of the premises.

12. That the Lessees covenant and agree to pay and discharge all reasonable costs, attorney fees and expenses that shall be made and incurred by the Lessors in enforceing the covenants and agreements of this lease or protecting their rights hereunder.

IT IS FURTHER MUTUALLY AGREED By the parties hereto that the Lessors hereby give and grant to the Lessees the exclusive right and option to purchase the herein described premises and the appurtenances thereof for a full purchase price of FIFTEEN THOUSAND AND NO/100 DOLLars ($15,000.00), which said purchase price shall be paid as follows:

$3,000.00 On or before June 20, 1957;
3,000.00 On or before the 20th day of June of each and every year thereafter until full payment.

That such payments shall be paid to the Lessors in the same proportion as the royalties as hereinbefore stated and all royalty payments made by the Lessees shall apply upon the above stated purchase price of $15,000.00,

and, upon the Lessees paying the full purchase price, the Lessors shall forthwith make, execute, acknowledge and deliver a good and sufficient

warranty deed to said patented mining claims described herein, conveying the same free and clear of all liens and encumbrances, excepting those that may have been placed thereon by the Lessees, as shown by a merchantable abstract of title, or tile insurance at the option of the Lessors.

IT IS ALSO HEREBY FURTHER MUTALLY AGREED That the time is the essence of this agreement and, should this lease and option to purchase, for any reason whatsoever, terminate or become forfeited for failure of the Lessees to make payments as herein specified, or to carry out the terms and conditions herein stated to be done and performed by them, then all monies paid upon the purchase price, by royality or otherwise, shall be and remain the property of the Lessors, as and for rent for the demised premises and for liquidated damages for the breach hereof, and the Lessors shall have the right of re-entry, evicting the Lessees, or any persons found upon the premises, with or without legal action; provided, however, that the Lessees shall have a period of thirty (30) days from and after written notice, directed to the Lessee, J. E. Tarr, Jr., at Pocatello, Idaho, setting forth wherein they are in default hereunder, and should the Lessees not fully correct all breaches set forth the Lessors shall take quiet and peaceful possession of the premises, as aforesaid, and the Lessees shall be obligated to pay upon demand and and all reasonable attorney fees the Lessors shall incur in enforcing their rights hereunder.

IT IS FURTHER MUTALLY Agreed that any waiver of any of the

terms, covenants or conditions herein set forth by the Lessees or their assigns to be performed, shall not be construed as a waiver of the future performance of any of such terms, covenants or conditions of the Lessees or of said option.

IT IS ALSO MUTUALLY UNDERSTOOD AND AGREED That the rights, terms and conditions of the herein agreement shall be binding upon and insure to the benefit of the heirs, executors, administrators, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year first above written.

_____(SEAL)
George L. Shoup

_____(SEAL)
Nellie B. Shoup

_____(SEAL)
Margaret M. Shoup Anderson

_____(SEAL)
James Anderson

_____(SEAL)
George Elmo Shoup

_____(SEAL)
William R. Shoup

_____(SEAL)
Lulu E. Shoup

_____(SEAL)
Richard M. Shoup

_____(SEAL)
Rose M. Shoup

_____(SEAL)
J. E. Tarr, Jr.,

_____(SEAL)
Don H. Hansen

_____(SEAL)
Billy N. Worrell

_____(SEAL)
William R. Firebaugh

STATE OF IDAHO)
) ss.
COUNTY OF LEMHI.)

On this ____ day of _____, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared GEORGE L. SHOUP, NELLIE B. SHOUP, GEORGE ELMO SHOUP, RICHARD M. SHOUP, ROSE M. SHOUP, DON H. HANSEN, BILLY N. WORRELL and WILLIAM R. FIREBAUGH, known to me to be the persons whose names are subscribed to the qithin 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 State of Idaho,
Residing at Salmon, Idaho

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STATE OF CALIFORNIA)
) ss.
COUNTY OF GRANGE)

On this ____ day of _____, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared MARGARET M. SHOUP ANDERSON and JAMES ANDERSON, 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 State of California
Residing at Laguna Beach, California.

STATE OF MONTANA)
) ss.
COUNTY OF MISSOULA)

On this ____ day of _____, in the year 1956, before me, the undersigned Notary Public in and for said State, personally appeared WILLIAM R. SHOUP and LULU E. SHOUP, 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 State of Montana,
Residing at Missoula, Montana.

STATE OF IDAHO)
) ss.
COUNTY OF BANNOCK)

On this ____ day of _____, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared J. E. Tarr, Jr., known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he 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 State of Idaho
Residing at Pocatello, Idaho.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/6		500

January 3, 1958

Memorandum

To: The Administrator

From: Director, Division of Base Metals

Subject: Denial of Application, Docket No. DMEA-4521, Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho, Copper-Lead.

The cited application, dated October 10, 1956, was received in this office on October 30, 1956.

Considerable information was lacking in the application and Mr. Weissenborn, in a letter dated October 25, 1956, requested said data. This information was not forthcoming and on December 14, 1956, a letter was written by this office requesting it. We finally received the data requested by the Spokane office but no reply to our letter was received.

This property was snowed in and it was not possible to make a field examination until August 1 and 2, 1957.

The Applicant proposed to explore the property by rehabilitating the El Dorado tunnel and then extending it. Some diamond drilling was also included from the surface to explore the vein at some depth. The total estimated cost of the project was $103,550.00, of which a large part was to be expended on an access road, buildings, rehabilitation, etc. The Applicant expected that the use of the equipment would pay for its share of the cost, but if it were necessary, a small amount of money could be supplied.

The property is held under lease with option to purchase.

The property is underlain by well-foliated phyllites, which are cut by a number of quartz veins many of which are barren but some of which contain small amounts of pyrite, chalcopyrite, galena, tetrahedrite and probably gold. Only two of the veins on or near the El Dorado claim are considered of promise by the Applicant.

The Manto vein has an average width of probably six feet. On the basis of surface exposures, this vein may be cut and perhaps offset by the northwest trending fault now exposed only near the portal of the El Dorado tunnel. From the excellent looking ore now to be seen on the dump of the El Dorado tunnel, it would appear that the best ore so far encountered in the Manto vein probably was obtained from this working. With the exception of some float and mined ore none of the material seen in the Manto vein was very impressive. Six samples were

cut from the vein, four from zones showing visible sulphides and two from barren zones. Mr. Hansen, Vice President of the company, alleged that barren appearing rock ran well in gold. The assays of the barren samples showed no more than a trace of any metal. The results of the mineralized samples are as follows:

Sample No.	Width Feet	Au oz./ton	Ag oz./ton	Pb percent	Cu percent
EWP-3	3.2	0.06	0.8	1.3	0.42
EWP-4	3.7	0.12	0.9	0.9	0.22
EWP-6	7.2	0.19	0.2	Tr.	Tr.
EWP-7	7.0	0.02	0.2	0.1	Tr.

The other vein considered of importance is known as the Upper vein and is generally from one to two feet wide although it is considerably wider in places. Seven samples were taken in the adit driven on this vein.

Sample No.	Width Feet	Au oz./ton	Ag oz./ton	Pb percent	Cu percent
EWP-9	1.0	0.16	1.2	0.45	0.74
EWP-10	0.9	0.11	0.2	Tr.	0.12
GGW-11	0.8	Tr.	0.2	0.00	Tr.
EWP-12	1.2	0.08	3.3	0.50	0.84
EWP-13	0.8	0.09	4.8	0.35	1.50
GGW-14	1.0	0.03	11.55	Tr.	1.10
GGW-15	1.0	0.64	1.8	0.00	0.76

It was not possible to examine the showings in the El Dorado tunnel as it was caved. Examination indicated that the adit could easily have been made accessible and in this Mr. Hansen agreed. As the El Dorado tunnel provides access to the heart of the Applicant's exploration target, the examiners informed Mr. Hansen that the examination could not be considered complete until the tunnel had been examined and that the chances of a contract being awarded would be diminished unless this were done. Mr. Hansen was contacted by the examiners concerning this matter on September 11 and 26, 1957, and on October 1, 1957. During the last contact, Mr. Hansen said that he could not be bothered opening the tunnel and stated that the examiners were incompetent and that they favored the big mining interests.

The examiners conclude that the property has little promise as a producer of base metals and recommend that the application be denied. The commodity members of the Geological Survey and the Bureau of Mines agree with the findings of the Field Team and we also concur with the recommendations.

W. R. Griswold

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

December 20, 1957

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Application Examination Report. Docket No. DMEA 4521 (Copper-Lead), Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho

The examination report reveals the existence of two well defined quartz veins both of which contain small pods, bunches and stringers of the sulfide minerals including pyrite, chalcopyrite, bornite, tetrahedrite and galena. Fairly good values in gold and silver were obtained in a few samples but concentrations of copper and lead sulphides were found to be economically unimportant. Accordingly the examiners recommended denial of the application.

I concur in that recommendation.

A. D. McMahon

A. D. McMahon

cc: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Bishop
F I L E S

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IN REPLY REFER TO:

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

December 19, 1957

Re: DMEA 4521
Leesburg Uranium, Inc.
El Dorado claims
Lemhi County, Idaho
$129,050.00 - Copper-lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in building a 3/4-mile road to an old gold mine, building a camp, and rehabilitating a tunnel, El Dorado, in which is said to be a flat vein carrying good values in gold, silver, lead and copper. A second vein - the Upper - which is out of the El Dorado Lode claim, and the project area, has had work done upon it, but the work proposed is centered in the El Dorado vein.

A plate submitted by the applicant shows what is reputed to be a section through the El Dorado tunnel and stoping above it in the flat lying Manto vein. The Manto quartz vein, about 6 feet thick, is exposed for several hundred feet, counting the ins and outs resulting from uneven topography. The vein cuts the schistosity of the enclosing phyllite and appears to be displaced, perhaps 40 feet, by a reverse fault.

The only place the vein is ore bearing is in the vicinity of the fault. As the examiners were unable to enter the El Dorado tunnel because of caving, they could not check by sampling the ore occurrence shown on the section submitted by the applicant. They saw good ore on the dump of the El Dorado tunnel. A number of samples of the outcrop of the quartz vein showed only low gold and silver values and low to insignificant values in copper and lead.

It is to be regretted the applicant would not open the El Dorado tunnel for inspection. The worth of the vein appears to be in the gold and silver values contained. If the silver is in the tetrahedrite and, as the examiners note, the ore is associated with the fault, a gold-silver-copper orebody, as suggested by the section, is a possibility.

In the circumstances the recommendation of denial is in order and I concur.

N. E. Nelson

N. E. Nelson

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

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December 12, 1957

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum by D. C. Alvord, Geologist, U. S. Geological Survey, and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines, recommending denial of an application submitted by Leesburg Uranium, Inc. to explore the El Dorado claims in Lemhi County, Idaho. The examiners mapped and sampled the outcrops of the two principal veins and all accessible underground workings and were unable to find evidence that the veins contain more than small amounts of lead and copper. They were unable to enter the El Dorado tunnel where, according to a map submitted by the applicant, the content of lead and copper is much higher. Although it would have required only relatively little work to do so, the applicant refused to make this working accessible for examination.

The Field Team concurs with the examiners' recommendation for denial.

By Field Team, Region I

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

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

Enclosures

cc: USBM (2)
USGS (SRO)
Alvord

Reviewed by
DMEA OPERATING COMMITTEE
12-26-57
(date)

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RECEIVED DEC 16 1957

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

November 26, 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: Application Examination Report, Docket No. DMEA-4521 (Copper-Lead), Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho

Exam Rpt

INTRODUCTION AND SUMMARY

An incomplete application for aid to explore for copper and lead on the El Dorado claims was received from Leesburg Uranium, Inc., on October 12, 1956. The applicant proposes to explore the property by rehabilitating and extending the El Dorado tunnel, by dozer trenching and by surface drilling. The applicant estimates the total cost of the proposal at $103,550, about half of which would be expended on such things as access road, living quarters, mess hall, maintenance shop, etc. The application was not only incomplete but shows the applicant to be inexperienced in mining. The application was referred to the field on February 12, 1957.

The property was examined on August 1, 1957 by D. C. Alvord accompanied by Sui-Ju Kung, Mining Engineer, Taiwan, Nationalist China, Don Hansen, Vice-President of Leesburg Uranium, Inc., and William Firebaugh, mine foreman. The examination was continued on August 2 by E. W. Parsons and G. G. Waddell, mining engineers of the U. S. Bureau of Mines, together with Alvord and Kung. On August 1 the entire system of veins known to the applicant, between the El Dorado claim and the El Dorado Mill Site, were examined (pl. 1). On August 2 the two veins considered by the applicant as the more promising were mapped and sampled. At the time of the examination the El Dorado tunnel was caved near the portal. Examination indicated that the adit could be easily made accessible with a day or less of pick and shovel work. Mr. Hansen agreed that this was true. As the El Dorado tunnel provides access to the heart of the applicant's exploration target the examiners informed Mr. Hansen that the examination could hardly be considered complete until we

Reviewed by
DMEA OPERATING COMMITTEE
12-20-57
(date)

could examine the El Dorado tunnel and that the chances of an exploration contract being awarded would certainly be diminished unless this were done. Mr. Hansen gave us the impression that he would see to the opening of the tunnel in the very near future and would let the Spokane office know as soon as it had been done. Subsequently, either Mrs. or Mr. Hansen were contacted on September 11, September 26, and finally on October 1 regarding the matter. During the last contact Mr. Hansen appeared a bit piqued at the Government in general and DMEA in particular and stated that we were incompetent and favored the big mining interests. He concluded that he couldn't be bothered with opening the tunnel as he was too busy building a road to the Ranger property (pl. 1). Plate 1 was submitted by the applicant but from the description of the location of the Ranger property, as Mr. Hansen gave it in the field, this property is actually several thousand feet west of the El Dorado Lode and from 1,000 to 2,000 feet north of the El Dorado Mill Site. At this point it is appropriate to note that during the examination of the El Dorado in August, Mr. Hansen seemed more interested in the possibilities of the Ranger property than those of the El Dorado property. However, when Alvord expressed an interest in seeing the Ranger property, Mr. Hansen declined to show it.

The El Dorado property is underlain by well-foliated phyllite cut by numerous small and two notable quartz veins. Some of the veins contain veinlets, irregular masses, and disseminated crystals of pyrite, chalcopyrite, bornite, tetrahedrite, galena, and gold. Sampling indicates that gold content of the veins locally ranges between 0.1 and 0.6 ounce gold per ton but that the average tenor of ore that could be produced would be about 0.2 ounce gold and 7 ounces of silver per ton. The amount of lead and copper associated with the gold-silver ore is economically insignificant.

RECOMMENDATION

It is recommended that the application be denied.

LOCATION AND ACCESSIBILITY

The El Dorado is near the head of Geertson Creek, El Dorado Mining District, Lemhi County, Idaho. It is on the west slopes of the Beaverhead Range about a quarter of a mile from the Continental Divide at an altitude of around 9,000 feet (fig. 1).

The property is reached from Salmon, Idaho by traveling south on State Highway 28 for 6 miles, thence turning left and

traveling northeasterly up the Geertson Creek road 12 miles to the El Dorado Mill Site. It is necessary to have a 4-wheel drive vehicle to travel the Geertson Creek road. The El Dorado Lode claim is best reached from the Mill Site over a poorly marked and extremely steep foot trail about 1½ miles long.

The claims and road to the area are covered by the heavy snowfall for about 6 months of the year. When the examiners were on the property in August there were a few patches of snow still remaining on the claim. It would be necessary for the operating company to maintain their own roads for the last 10 miles after leaving the county road. The trip from Salmon to the mill site takes about 1½ hours and another hour is needed to hike to the El Dorado Lode claim.

There was adequate water on the mill site to operate a mill at the time of the examination, but this water may not be available during the winter.

DESCRIPTION OF THE PROPERTY

The El Dorado Mill Site facilities are located on a more or less flat ledge formed on an otherwise very steep slope. The El Dorado Lode mine workings are on hillsides that generally slope between 30° and 50° from the horizontal but locally there are nearly vertical cliffs.

Buildings on the mill site include a compressor house, repair shop, powder magazine, engineering and assay office, and a couple of bunk houses, all in various states of disrepair. The El Dorado Lode (pl. 2, Manto vein) is developed by a tunnel reportedly at least 150 feet long, which is now inaccessible because of a caved portal, and several small nondescript cuts or open pits. The Upper Adit, shown on plate 2, is located to the north of the El Dorado claim on ground recently restaked by the applicant. This claim is not included in the application.

PROPERTY RIGHTS

Leesburg Uranium, Inc., holds the claims under lease with option to purchase from the Shoup family. The following patented claims are the subject of this application:

"El Dorado" Lode mining claim	U. S. Survey No. 38A
El Dorado Mill Site	U. S. Survey No. 38B

A copy of the mining lease was submitted with the application. The applicant was not asked to obtain a consent to lien.

THE APPLICANT

The officers of Leesburg Uranium, Inc., state that they have had 10-15 years mining experience. From our observation, Mr. Hansen, who appears to be managing the operation, does not have much knowledge of mining and exploration procedures.

APPLICANT'S PROPOSAL AND DISCUSSION

The applicant proposed to rehabilitate the El Dorado adit and do some type of exploration work from the end. Also, 1,200 feet of surface diamond drilling was proposed to ascertain the depth of the vein and grade. The estimated cost of the drilling was $7,500. The applicant also proposed building about a mile of road, some of which would necessitate blasting through ridges, and to build a maintenance shop, living quarters for 10 men, and a mess hall. The total estimated cost of the project was $103,550.

The cost of mine facilities constitutes a disproportionate amount of the project costs.

HISTORY AND PRODUCTION

Nothing is known concerning the history and production of the El Dorado other than what is included in the application and in A. L. Anderson's report (1957). The property was probably located prior to 1880. According to Anderson it was one of the most prominent mines in the region in the early 80's and the El Dorado mining district was named for it. The applicant states that the mine operated steadily until 1898 when a snowslide destroyed the mill and other equipment.

GEOLOGY

The El Dorado is located near the northern boundary of the Baker 15-minute quadrangle which is described by A. L. Anderson in Idaho Bureau of Mines and Geology Pamphlet No. 112 entitled, "Geology and mineral resources of the Baker quadrangle, Lemhi County, Idaho" (71 p., 1 fig., 7 pt., 1957). In this report four sentences are devoted to the location, history and geology of the "Eldorado" mine.

The property is underlain by well-foliated, light-gray to buff-colored phyllites. The foliation strikes northwest and dips moderately to steeply southwest. The bedding was not observed but according to Anderson the attitude of the beds may be about the same as the foliation.

The phyllites are cut by a number of quartz veins many of which are apparently barren but some of which contain small amounts of pyrite, chalcopyrite, galena, tetrahedrite, and probably gold. Most of the veins are only an inch to a few inches wide and have very short surface traces; a few are several feet wide and can be traced for hundreds of feet. With one exception, the larger veins trend northwest and dip southwest parallel to the schistosity of the phyllite. These probably represent quartz-lode fillings along shears that were developed by the same forces that developed the schistosity.

Only two of the veins on or near the El Dorado claim are considered promising by the applicant. These are designated on plate 2 of this report as the Manto vein and the Upper vein.

The Manto vein is a flat-lying tabular body of coarse-grained milky quartz. It ranges in width from an inch or two at its easternmost exposure to more than 12 feet, but its average width is probably about 6 feet. On the basis of surface exposures, the Manto may be cut and perhaps offset by the northwest-trending fault now exposed only near the portal of the El Dorado tunnel. On the other hand, this fault might have been the opening through which the quartz-bearing solutions reached the Manto zone. From the excellent looking ore now to be seen on the dump of the El Dorado tunnel, it would appear that the best ore thus far encountered in the Manto vein probably was obtained from this working and might well have been related, in some manner, to the northwest-trending fault. Ore minerals were observed in the Manto vein at only two localities, one in a small open cut at the east end of the vein outcrop and the other in the walls of the Manto vein within 40 feet west of the El Dorado tunnel. Sulfide minerals include pyrite, chalcopyrite, galena, bornite, and tetrahedrite which occur as small pods, veinlets, and disseminated crystals. Oxidation of these minerals has not been very pronounced but copper carbonate and iron oxide stains are present locally. With the exception of the float and mined ore none of the material seen in the Manto area was very impressive. A total of 6 samples were cut from the vein, 4 from zones containing visible sulfides and, because Mr. Hansen insisted that the barren-appearing quartz ran well in gold, 2 from zones of the vein showing no sulfides. The assay results are as follows:

Sample No.	Width (ft.)	Au (oz./T)	Ag (oz./T)	Pb (percent)	Cu (percent)
EWP-3	3.2	0.06	0.8	1.3	0.42
EWP-4	3.7	0.12	0.9	0.9	0.22
*GGW-5	10.0	Tr	Tr	0.0	Tr
EWP-6	7.2	0.19	0.2	Tr	Tr
EWP-7	7.0	0.02	0.2	0.1	Tr
*GGW-8	3.4	Tr	Tr	0.0	Tr

*Cut from zone showing no sulfides.

The comparatively high gold content (0.19 ounce per ton) of sample EWP-6, cut from an exposure about 5 feet from the northwest-trending fault, is suggestive that the gold has penetrated into the wall rock and indicative of the possible economic importance of the fault. None of the samples, however, contain sufficient lead or copper to even suggest that the Manto vein is a likely source of these metals. It is probable, however, that some of the vein material in the El Dorado tunnel contains significant amounts of copper. This is indicated by sample EWP-16, grabbed from a small (less than a ton) stockpile of ore located about 130 feet west of the El Dorado tunnel, and which assayed 0.24 ounce gold and 34.4 ounces silver per ton, 0.0 percent lead and 8.88 percent copper. The source of this ore is, of course, problematical and is just as likely from the Upper vein as it is from the Manto.

The Upper vein strikes N. 20°-30°W. and dips 40°SW. It can be followed on the surface from the tunnel portal up dip at least 150 feet and down dip about 100 feet. Ore sulfides appear intermittently along the outcrop but in general these exposures are thinner or appear lower in grade than the exposures in the adit. Generally the vein is from 1 to 2 feet wide but in places becomes much wider. The variation in width is controlled in part by northeast-trending cross faults, one of which is mineralized and has been partly mined. The vein consists of massive fillings of coarsely crystalline milky quartz containing irregularly distributed stringers and bunches of sulfide minerals. Pyrite, chalcopyrite, and bornite, together with iron oxides and copper carbonates, are the only conspicuous metal minerals. In general the Upper vein looks higher grade than the Manto; however, the examiners were unable to see the underground workings of the Manto. The samples taken do not indicate a significant variance between the two veins. The assay results are as follows:

Sample No.	Width (ft.)	Au (oz./T)	Ag (oz./T)	Pb (percent)	Cu (percent)
EWP-9	1.0	0.16	1.2	0.45	0.74
EWP-10	0.9	0.11	0.2	Tr	0.12
GGW-11	0.8	Tr	0.2	0.0	Tr
EWP-12	1.2	0.08	3.3	0.5	0.84
EWP-13	0.8	0.09	4.8	0.35	1.5
GGW-14	1.0	0.03	11.55	Tr	1.1
GGW-15	1.0	0.64	1.8	0.0	0.76

As in the Manto vein below, the Upper vein contains only small amounts of lead or copper.

MERIT OF THE PROPERTY

The property contains two well-defined quartz veins that have a combined total of more than 1,000 linear feet of perfect exposures, both natural and man-made. Sampling indicates that the veins locally contain values ranging between 0.1 and 0.6 ounce of gold per ton but that the average value that can be produced would be close to 0.2 ounce of gold. A comparison of the 10 best channel samples containing significant amounts of either gold or silver or both indicates that the gold to silver ratio is 1:17 or that the silver associated with ore averaging 0.2 ounce gold per ton would contain 3.4 ounces silver. The amount of lead and copper associated with the gold and silver ore is economically insignificant. Typical ore would have a value in contained gold and silver of $10.50 to $12.50 per ton. Such ore, if present in sufficient quantity, would, under some circumstances, be of interest. It is improbable, however, that a substantial tonnage of ore of this grade occurs in the two veins. The property has little promise as a producer of base metals.

Attachments 3

Distribution:
DMEA (3)
USBM (5)
USGS(SRO)
Docket
Alvord

DMEA Form 7
(12-56)

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Date	Surname	Code
1/3	Klugescheid	500
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1/6	[illegible]	130
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1/6	Kiilsgaard	130
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1/6	Mittendorf	100
		~~HB~~
1/7	GB	220
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JAN 6 1958

Mr. J. E. Tarr, President
Leesburg Uranium, Inc.
230 North Second Avenue
Pocatello, Idaho

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Tarr:

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

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

Careful study of all our information, although noting a small amount of copper-lead mineralization on your lease, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

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Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region I (2)
Chron.

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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
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January 3, 1958

Memorandum

To: The Administrator

From: Director, Division of Base Metals

Subject: Denial of Application, Docket No. DMEA-4521, Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho, Copper-Lead.

The cited application, dated October 10, 1956, was received in this office on October 30, 1956.

Considerable information was lacking in the application and Mr. Weissenborn, in a letter dated October 25, 1956, requested said data. This information was not forthcoming and on December 14, 1956, a letter was written by this office requesting it. We finally received the data requested by the Spokane office but no reply to our letter was received.

This property was snowed in and it was not possible to make a field examination until August 1 and 2, 1957.

The Applicant proposed to explore the property by rehabilitating the El Dorado tunnel and then extending it. Some diamond drilling was also included from the surface to explore the vein at some depth. The total estimated cost of the project was $103,550.00, of which a large part was to be expended on an access road, buildings, rehabilitation, etc. The Applicant expected that the use of the equipment would pay for its share of the cost, but if it were necessary, a small amount of money could be supplied.

The property is held under lease with option to purchase.

The property is underlain by well-foliated phyllites, which are cut by a number of quartz veins many of which are barren but some of which contain small amounts of pyrite, chalcopyrite, galena, tetrahedrite and probably gold. Only two of the veins on or near the El Dorado claim are considered of promise by the Applicant.

The Manto vein has an average width of probably six feet. On the basis of surface exposures, this vein may be cut and perhaps offset by the northwest trending fault now exposed only near the portal of the El Dorado tunnel. From the excellent looking ore now to be seen on the dump of the El Dorado tunnel, it would appear that the best ore so far encountered in the Manto vein probably was obtained from this working. With the exception of some float and mined ore none of the material seen in the Manto vein was very impressive. Six samples were

out from the vein, four from zones showing visible sulphides and two from barren zones. Mr. Hansen, Vice President of the company, alleged that barren appearing rock ran well in gold. The assays of the barren samples showed no more than a trace of any metal. The results of the mineralized samples are as follows:

Sample No.	Width Feet	Au oz./ton	Ag oz./ton	Pb percent	Cu percent
EWP-3	3.2	0.06	0.8	1.3	0.42
EWP-4	3.7	0.12	0.9	0.9	0.22
EWP-6	7.2	0.19	0.2	Tr.	Tr.
EWP-7	7.0	0.02	0.2	0.1	Tr.

The other vein considered of importance is known as the Upper vein and is generally from one to two feet wide although it is considerably wider in places. Seven samples were taken in the adit driven on this vein.

Sample No.	Width Feet	Au oz./ton	Ag oz./ton	Pb percent	Cu percent
EWP-9	1.0	0.16	1.2	0.45	0.74
EWP-10	0.9	0.11	0.2	Tr.	0.12
GGW-11	0.8	Tr.	0.2	0.00	Tr.
EWP-12	1.2	0.08	3.3	0.50	0.84
EWP-13	0.8	0.09	4.8	0.35	1.50
GGW-14	1.0	0.03	11.55	Tr.	1.10
GGW-15	1.0	0.64	1.8	0.00	0.76

It was not possible to examine the showings in the El Dorado tunnel as it was caved. Examination indicated that the adit could easily have been made accessible and in this Mr. Hansen agreed. As the El Dorado tunnel provides access to the heart of the Applicant's exploration target, the examiners informed Mr. Hansen that the examination could not be considered complete until the tunnel had been examined and that the chances of a contract being awarded would be diminished unless this were done. Mr. Hansen was contacted by the examiners concerning this matter on September 11 and 26, 1957, and on October 1, 1957. During the last contact, Mr. Hansen said that he could not be bothered opening the tunnel and stated that the examiners were incompetent and that they favored the big mining interests.

The examiners conclude that the property has little promise as a producer of base metals and recommend that the application be denied. The commodity members of the Geological Survey and the Bureau of Mines agree with the findings of the Field Team and we also concur with the recommendations.

W. R. Griswold

WPKlugescheid/er
Copy to: Docket
Admr. R File
Chron.

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

December 20, 1957

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Application Examination Report. Docket No. DMEA 4521 (Copper-Lead), Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho

The examination report reveals the existence of two well defined quartz veins both of which contain small pods, bunches and stringers of the sulfide minerals including pyrite, chalcopyrite, bornite, tetrahedrite and galena. Fairly good values in gold and silver were obtained in a few samples but concentrations of copper and lead sulphides were found to be economically unimportant. Accordingly the examiners recommended denial of the application.

I concur in that recommendation.

A. D. McMahon

A. D. McMahon

cc: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Bishop
F I L E S

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DMEA
RECEIVED DEC 31 1957

DATE	NOTE	CODE
12/31	C	220
12/31	clerg	500

ORIGINAL FILE COPY
DMEA
RECEIVED DEC 23 1957

12/23	gr	220
12/23	Klug.	500

IN REPLY REFER TO:

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

December 19, 1957

Re: DMEA 4521
Leesburg Uranium, Inc.
El Dorado claims
Lemhi County, Idaho
$129,050.00 - Copper-lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in building a 3/4-mile road to an old gold mine, building a camp, and rehabilitating a tunnel, El Dorado, in which is said to be a flat vein carrying good values in gold, silver, lead and copper. A second vein - the Upper - which is out of the El Dorado Lode claim, and the project area, has had work done upon it, but the work proposed is centered in the El Dorado vein.

A plate submitted by the applicant shows what is reputed to be a section through the El Dorado tunnel and stoping above it in the flat lying Manto vein. The Manto quartz vein, about 6 feet thick, is exposed for several hundred feet, counting the ins and outs resulting from uneven topography. The vein cuts the schistosity of the enclosing phyllite and appears to be displaced, perhaps 40 feet, by a reverse fault.

The only place the vein is ore bearing is in the vicinity of the fault. As the examiners were unable to enter the El Dorado tunnel because of caving, they could not check by sampling the ore occurrence shown on the section submitted by the applicant. They saw good ore on the dump of the El Dorado tunnel. A number of samples of the outcrop of the quartz vein showed only low gold and silver values and low to insignificant values in copper and lead.

It is to be regretted the applicant would not open the El Dorado tunnel for inspection. The worth of the vein appears to be in the gold and silver values contained. If the silver is in the tetrahedrite and, as the examiners note, the ore is associated with the fault, a gold-silver-copper orebody, as suggested by the section, is a possibility.

In the circumstances the recommendation of denial is in order and I concur.

N. E. Nelson

N. E. Nelson

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

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DMEA
RECEIVED DEC 16 1957

DATE		CODE
12/16	C	220
12/20	2/B	130
12/20	C	220
~~12/22~~	~~Klugo~~	~~500~~

December 12, 1957

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum by D. C. Alvord, Geologist, U. S. Geological Survey, and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines, recommending denial of an application submitted by Leesburg Uranium, Inc. to explore the El Dorado claims in Lemhi County, Idaho. The examiners mapped and sampled the outcrops of the two principal veins and all accessible underground workings and were unable to find evidence that the veins contain more than small amounts of lead and copper. They were unable to enter the El Dorado tunnel where, according to a map submitted by the applicant, the content of lead and copper is much higher. Although it would have required only relatively little work to do so, the applicant refused to make this working accessible for examination.

The Field Team concurs with the examiners' recommendation for denial.

By Field Team, Region I

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

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

Enclosures

cc: USBM (2)
USGS (SRO)
Alvord

Reviewed by
DMEA OPERATING COMMITTEE
12-26-57
(date)

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DMEA
RECEIVED DEC 16 1957

DATE	INITIALS	CODE
12/20	JB	130
		220

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

November 26, 1957

Memorandum

To: DMEA Field Team, Region I

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

Subject: Application Examination Report, Docket No. DMEA-4521 (Copper-Lead), Leesburg Uranium, Inc., El Dorado Claims, Lemhi County, Idaho

ON-SITE Report

INTRODUCTION AND SUMMARY

An incomplete application for aid to explore for copper and lead on the El Dorado claims was received from Leesburg Uranium, Inc., on October 12, 1956. The applicant proposes to explore the property by rehabilitating and extending the El Dorado tunnel, by dozer trenching and by surface drilling. The applicant estimates the total cost of the proposal at $103,550, about half of which would be expended on such things as access road, living quarters, mess hall, maintenance shop, etc. The application was not only incomplete but shows the applicant to be inexperienced in mining. The application was referred to the field on February 12, 1957.

The property was examined on August 1, 1957 by D. C. Alvord accompanied by Sui-Ju Kung, Mining Engineer, Taiwan, Nationalist China, Don Hansen, Vice-President of Leesburg Uranium, Inc., and William Firebaugh, mine foreman. The examination was continued on August 2 by E. W. Parsons and C. C. Waddell, mining engineers of the U. S. Bureau of Mines, together with Alvord and Kung. On August 1 the entire system of veins known to the applicant, between the El Dorado claim and the El Dorado Mill Site, were examined (pl. 1). On August 2 the two veins considered by the applicant as the more promising were mapped and sampled. At the time of the examination the El Dorado tunnel was caved near the portal. Examination indicated that the adit could be easily made accessible with a day or less of pick and shovel work. Mr. Hansen agreed that this was true. As the El Dorado tunnel provides access to the heart of the applicant's exploration target the examiners informed Mr. Hansen that the examination could hardly be considered complete until

Reviewed by
DMEA OPERATING COMMITTEE
12-20-57
(date)

could examine the El Dorado tunnel and that the chances of an exploration contract being awarded would certainly be diminished unless this were done. Mr. Hansen gave us the impression that he would see to the opening of the tunnel in the very near future and would let the Spokane office know as soon as it had been done. Subsequently, either Mrs. or Mr. Hansen were contacted on September 11, September 26, and finally on October 1 regarding the matter. During the last contact Mr. Hansen appeared a bit piqued at the Government in general and DMEA in particular and stated that we were incompetent and favored the big mining interests. He concluded that he couldn't be bothered with opening the tunnel as he was too busy building a road to the Ranger property (pl. 1). Plate 1 was submitted by the applicant but from the description of the location of the Ranger property, as Mr. Hansen gave it in the field, this property is actually several thousand feet west of the El Dorado Lode and from 1,000 to 2,000 feet north of the El Dorado Mill Site. At this point it is appropriate to note that during the examination of the El Dorado in August, Mr. Hansen seemed more interested in the possibilities of the Ranger property than those of the El Dorado property. However, when Alvord expressed an interest in seeing the Ranger property, Mr. Hansen declined to show it.

The El Dorado property is underlain by well-foliated phyllite cut by numerous small and two notable quartz veins. Some of the veins contain veinlets, irregular masses, and disseminated crystals of pyrite, chalcopyrite, bornite, tetrahedrite, galena, and gold. Sampling indicates that gold content of the veins locally ranges between 0.1 and 0.6 ounce gold per ton but that the average tenor of ore that could be produced would be about 0.2 ounce gold and 7 ounces of silver per ton. The amount of lead and copper associated with the gold-silver ore is economically insignificant.

RECOMMENDATION

It is recommended that the application be denied.

LOCATION AND ACCESSIBILITY

The El Dorado is near the head of Geertson Creek, El Dorado Mining District, Lemhi County, Idaho. It is on the west slopes of the Beaverhead Range about a quarter of a mile from the Continental Divide at an altitude of around 9,000 feet (fig. 1).

The property is reached from Salmon, Idaho by traveling south on State Highway 28 for 6 miles, thence turning left and

traveling northeasterly up the Geertson Creek road 12 miles to the El Dorado Mill Site. It is necessary to have a 4-wheel drive vehicle to travel the Geertson Creek road. The El Dorado Lode claim is best reached from the Mill Site over a poorly marked and extremely steep foot trail about 1½ miles long.

The claims and road to the area are covered by the heavy snowfall for about 6 months of the year. When the examiners were on the property in August there were a few patches of snow still remaining on the claim. It would be necessary for the operating company to maintain their own roads for the last 10 miles after leaving the county road. The trip from Salmon to the mill site takes about 1½ hours and another hour is needed to hike to the El Dorado Lode claim.

There was adequate water on the mill site to operate a mill at the time of the examination, but this water may not be available during the winter.

DESCRIPTION OF THE PROPERTY

The El Dorado Mill Site facilities are located on a more or less flat ledge formed on an otherwise very steep slope. The El Dorado Lode mine workings are on hillsides that generally slope between 30° and 50° from the horizontal but locally there are nearly vertical cliffs.

Buildings on the mill site include a compressor house, repair shop, powder magazine, engineering and assay office, and a couple of bunk houses, all in various states of disrepair. The El Dorado Lode (pl. 2, Manto vein) is developed by a tunnel reportedly at least 150 feet long, which is now inaccessible because of a caved portal, and several small nondescript cuts or open pits. The Upper Adit, shown on plate 2, is located to the north of the El Dorado claim on ground recently restaked by the applicant. This claim is not included in the application.

PROPERTY RIGHTS

Leesburg Uranium, Inc., holds the claims under lease with option to purchase from the Shoup family. The following patented claims are the subject of this application:

"El Dorado" Lode mining claim	U. S. Survey No. 38A
El Dorado Mill Site	U. S. Survey No. 38B

A copy of the mining lease was submitted with the application. The applicant was not asked to obtain a consent to lien.

THE APPLICANT

The officers of Leesburg Uranium, Inc., state that they have had 10-15 years mining experience. From our observation, Mr. Hanson, who appears to be managing the operation, does not have much knowledge of mining and exploration procedures.

APPLICANT'S PROPOSAL AND DISCUSSION

The applicant proposed to rehabilitate the El Dorado adit and do some type of exploration work from the end. Also, 1,200 feet of surface diamond drilling was proposed to ascertain the depth of the vein and grade. The estimated cost of the drilling was $7,500. The applicant also proposed building about a mile of road, some of which would necessitate blasting through ridges, and to build a maintenance shop, living quarters for 10 men, and a mess hall. The total estimated cost of the project was $103,550.

The cost of mine facilities constitutes a disproportionate amount of the project costs.

HISTORY AND PRODUCTION

Nothing is known concerning the history and production of the El Dorado other than what is included in the application and in A. L. Anderson's report (1957). The property was probably located prior to 1880. According to Anderson it was one of the most prominent mines in the region in the early 80's and the El Dorado mining district was named for it. The applicant states that the mine operated steadily until 1898 when a snowslide destroyed the mill and other equipment.

GEOLOGY

The El Dorado is located near the northern boundary of the Baker 15-minute quadrangle which is described by A. L. Anderson in Idaho Bureau of Mines and Geology Pamphlet No. 112 entitled, "Geology and mineral resources of the Baker quadrangle, Lemhi County, Idaho" (71 p., 1 fig., 7 pt., 1957). In this report four sentences are devoted to the location, history and geology of the "Elderado" mine.

The property is underlain by well-foliated, light-gray to buff-colored phyllites. The foliation strikes northwest and dips moderately to steeply southwest. The bedding was not observed but according to Anderson the attitude of the beds may be about the same as the foliation.

The phyllites are cut by a number of quartz veins many of which are apparently barren but some of which contain small amounts of pyrite, chalcopyrite, galena, tetrahedrite, and probably gold. Most of the veins are only an inch to a few inches wide and have very short surface traces; a few are several feet wide and can be traced for hundreds of feet. With one exception, the larger veins trend northwest and dip southwest parallel to the schistosity of the phyllite. These probably represent quartz-lode fillings along shears that were developed by the same forces that developed the schistosity.

Only two of the veins on or near the El Dorado claim are considered promising by the applicant. These are designated on plate 2 of this report as the Manto vein and the Upper vein.

The Manto vein is a flat-lying tabular body of coarse-grained milky quartz. It ranges in width from an inch or two at its easternmost exposure to more than 12 feet, but its average width is probably about 6 feet. On the basis of surface exposures, the Manto may be cut and perhaps offset by the northwest-trending fault now exposed only near the portal of the El Dorado tunnel. On the other hand, this fault might have been the opening through which the quartz-bearing solutions reached the Manto zone. From the excellent looking ore now to be seen on the dump of the El Dorado tunnel, it would appear that the best ore thus far encountered in the Manto vein probably was obtained from this working and might well have been related, in some manner, to the northwest-trending fault. Ore minerals were observed in the Manto vein at only two localities, one in a small open cut at the east end of the vein outcrop and the other in the walls of the Manto vein within 40 feet west of the El Dorado tunnel. Sulfide minerals include pyrite, chalcopyrite, galena, bornite, and tetrahedrite which occur as small pods, veinlets, and disseminated crystals. Oxidation of these minerals has not been very pronounced but copper carbonate and iron oxide stains are present locally. With the exception of the float and mined ore none of the material seen in the Manto area was very impressive. A total of 6 samples were cut from the vein, 4 from zones containing visible sulfides and, because Mr. Hansen insisted that the barren-appearing quartz ran well in gold, 2 from zones of the vein showing no sulfides. The assay results are as follows:

Sample No.	Width (ft.)	Au (oz./T)	Ag (oz./T)	Pb (percent)	Cu (percent)
EWP-3	3.2	0.06	0.8	1.3	0.42
EWP-4	3.7	0.12	0.9	0.9	0.22
*CGW-5	10.0	Tr	Tr	0.0	Tr
EWP-6	7.2	0.19	0.2	Tr	Tr
EWP-7	7.0	0.02	0.2	0.1	Tr
*CGW-8	3.4	Tr	Tr	0.0	Tr

*Cut from zone showing no sulfides.

The comparatively high gold content (0.19 ounce per ton) of sample EWP-6, cut from an exposure about 5 feet from the northwest-trending fault, is suggestive that the gold has penetrated into the wall rock and indicative of the possible economic importance of the fault. None of the samples, however, contain sufficient lead or copper to even suggest that the Manto vein is a likely source of these metals. It is probable, however, that some of the vein material in the El Dorado tunnel contains significant amounts of copper. This is indicated by sample EWP-16, grabbed from a small (less than a ton) stockpile of ore located about 130 feet west of the El Dorado tunnel, and which assayed 0.24 ounce gold and 34.4 ounces silver per ton, 0.0 percent lead and 8.88 percent copper. The source of this ore is, of course, problematical and is just as likely from the Upper vein as it is from the Manto.

The Upper vein strikes N. 20°-30°W. and dips 40°SW. It can be followed on the surface from the tunnel portal up dip at least 150 feet and down dip about 100 feet. Ore sulfides appear intermittently along the outcrop but in general these exposures are thinner or appear lower in grade than the exposures in the adit. Generally the vein is from 1 to 2 feet wide but in places becomes much wider. The variation in width is controlled in part by northeast-trending cross faults, one of which is mineralized and has been partly mined. The vein consists of massive fillings of coarsely crystalline milky quartz containing irregularly distributed stringers and bunches of sulfide minerals. Pyrite, chalcopyrite, and bornite, together with iron oxides and copper carbonates, are the only conspicuous metal minerals. In general the Upper vein looks higher grade than the Manto; however, the examiners were unable to see the underground workings of the Manto. The samples taken do not indicate a significant variance between the two veins. The assay results are as follows:

Sample No.	Width (ft.)	Au (oz./T)	Ag (oz./T)	Pb (percent)	Cu (percent)
EWP-9	1.0	0.16	1.2	0.45	0.74
EWP-10	0.9	0.11	0.2	Tr	0.12
GGW-11	0.8	Tr	0.2	0.0	Tr
EWP-12	1.2	0.08	3.3	0.5	0.84
EWP-13	0.8	0.09	4.8	0.35	1.5
GGW-14	1.0	0.03	11.55	Tr	1.1
GGW-15	1.0	0.64	1.8	0.0	0.76

As in the Manto vein below, the Upper vein contains only small amounts of lead or copper.

MERIT OF THE PROPERTY

The property contains two well-defined quartz veins that have a combined total of more than 1,000 linear feet of perfect exposures, both natural and man-made. Sampling indicates that the veins locally contain values ranging between 0.1 and 0.6 ounce of gold per ton but that the average value that can be produced would be close to 0.2 ounce of gold. A comparison of the 10 best channel samples containing significant amounts of either gold or silver or both indicates that the gold to silver ratio is 1:17 or that the silver associated with ore averaging 0.2 ounce gold per ton would contain 3.4 ounces silver. The amount of lead and copper associated with the gold and silver ore is economically insignificant. Typical ore would have a value in contained gold and silver of $10.50 to $12.50 per ton. Such ore, if present in sufficient quantity, would, under some circumstances, be of interest. It is improbable, however, that a substantial tonnage of ore of this grade occurs in the two veins. The property has little promise as a producer of base metals.

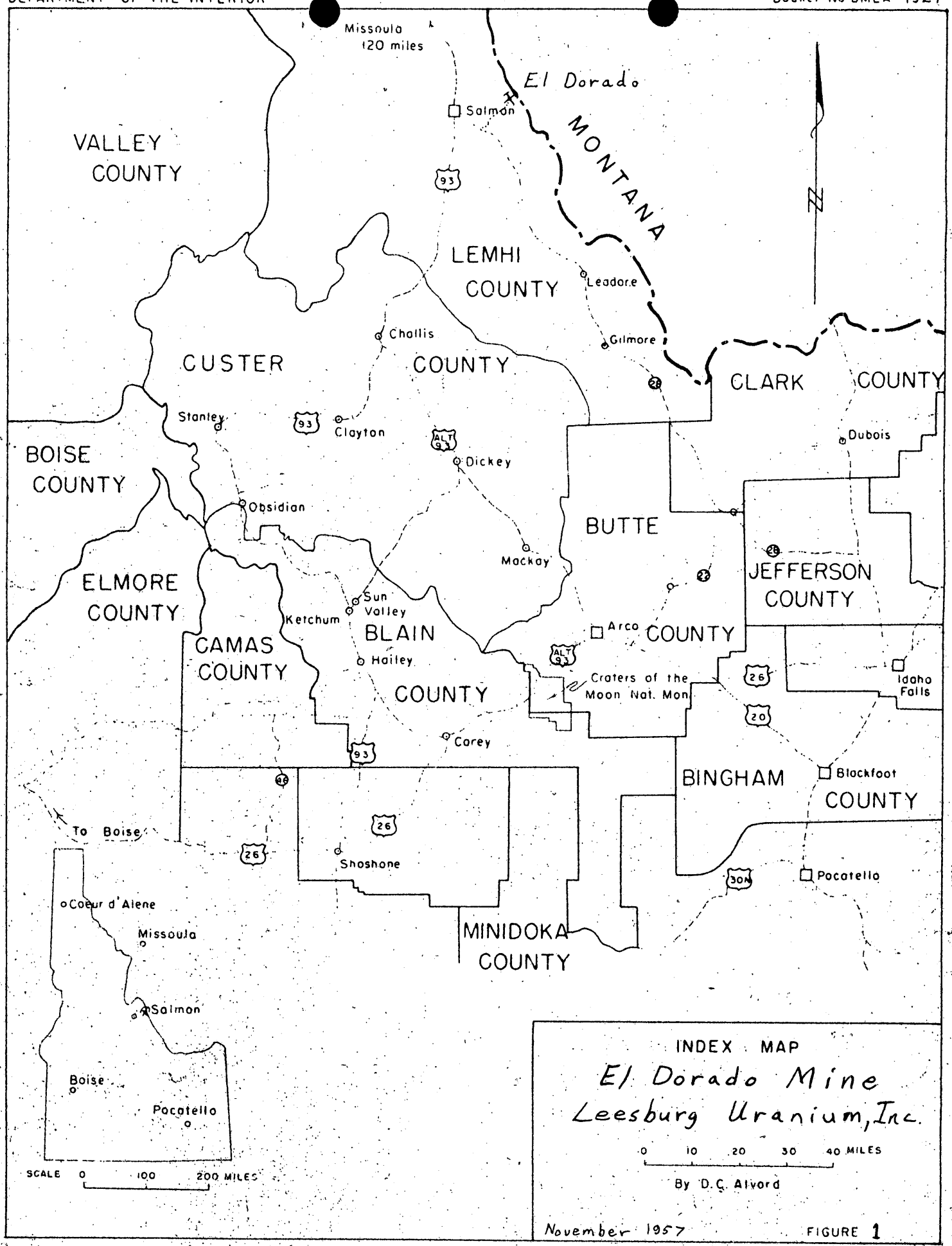
Attachments 3

Distribution:
DMEA (3)
USBM (5)
USGS(SRO)
Docket
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No DMEA-4521



DMEA
RECEIVED DEC 18 1967

DATE	INITIALS	CODE

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

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DMEA
RECEIVED AUG 3 1957

DATE	INITIALS	CODE
8/5	P.K.	220
8/5	Klug.	500

July 30, 1957

Mr. W. S. Martin, Acting Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Martin:

In answer to your letter of July 25, 1957, the El Dorado claims in Lemhi County, Idaho, are being examined July 30 and 31.

An examination report will be forwarded as soon as possible after the field men return to the office.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM (2)
Alvord

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/23	Klugescheid	500
	Shaw	570
7/24	Martin	130
"	Johnson	110
"	Patterson	100
7/25	P.K.	225
		500

500

JUL 25 1957

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

The Application Summary (June 15, 1956 - June 15, 1957) stated that this property would not be accessible for examination until about July 1, 1957. As it is now late in July could you advise us as to the present status of this application. May we expect a field examination report soon as the processing of this project has been delayed for some months due to inaccessibility.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (JB)
WPKlugescheid/er 7/23/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron

APPROVED:

Horace T. Reno (JB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JB)
Member, Geological Survey

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	500
		100
2/11	Selfridge	130
2/13		220
		500
2/11	Johnson	110
2/12	Rutherday	100

FEB 12 1957

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

The cited application for exploration assistance is being referred to your office for consideration, a field examination of the property if warranted, and recommendation.

We have delayed this referral hoping to receive an answer to our letter to the Applicant asking for information, which was sent before we received the data from your office. We had hoped for some comments on our criticisms concerning the proposed project.

If the project is favorably considered by the Field Team, the various factors mentioned in our letter to the Applicant, dated December 14, 1956, should be taken into account.

Copies of memoranda dated November 1 and 2, 1956, by J. W. Pennington, Bureau of Mines, and N. E. Nelson, Geological Survey, respectively, relating to the proposed project, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

WPKlugescheid/er 2/8/57

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

P. S. We are enclosing an extra copy of the application for the use of the Field Team.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klingenbeil	500
	Grimmel	500
2/11	Selfridge	130
2/11	Johnson	110

2/12 Mottendorf 00 325 500.

Lamb

Kulsgaard

FEB 12 1957

Mr. J. E. Tarr, President
Leesburg Uranium, Inc.
230 North Second Avenue
Pocatello, Idaho

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Tarr:

Reference is made to our letter of December 14, 1956, requesting additional information concerning the subject application for exploration assistance.

On December 18, we received the Consent to Lien and Subordination Agreement, an assay sheet, a photostat of the lease and option to purchase agreement, and a map indicating the proposed drilling. All of these data were forwarded to us by our Spokane Office.

To date we have received no reply to our letter, although more than a month has elapsed. We had hoped for some comments on those parts of our letter not pertaining to the data which you forwarded to the Field Team. We had also hoped for some explanation of the layout of the drill holes.

It may be that you thought it was not necessary to reply directly to us after you had submitted the data to the Spokane Office, and rather than hold the application in abeyance any longer we have referred it to:

R.S.

8623

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

If the Field Team requires additional information concerning your application, they will contact you at an early date.

Sincerely yours,

O. O. Wittendorf (for)

Administrator

WPKlugescheid/er 2/8/57

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist.
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED DEC 13 1956 DMEA

December 13, 1956

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Selfridge:

In response to our letter of October 25, 1956, Mr. J. E. Tarr has supplied the following documents in support of his application for exploration assistance:

1. Three copies of a map showing tunnel and proposed work.

2. Five copies only of Consent to Lien covering the El Dorado Lode Mine Claim.

3. Three copies of an assay report.

4. One photostat copy of "Lease and Option to Purchase Mining Property" dated June 20, 1956, covering the El Dorado Lode Mining Claim and El Dorado Patented Mill Site.

We have retained copies of all these documents.

Sincerely yours,

A. E. Weissenborn

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

Enclosures as above

cc: USBM (2)
Nickelson

File Copy
Surname
Klugescheid
Johnson
Fitzsimon
Mittendorf

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

DEC 14 1956

Mr. J. E. Tarr, President
Leesburg Uranium Inc.
230 North Second Avenue
Pocatello, Idaho

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Tarr:

We have received your application for aid in an exploration project in Lemhi County, Idaho. Before we can proceed with your application, you should provide us with certain additional information. We also wish to clarify some points which do not seem to be understood.

On October 25, 1956, Mr. MacLaren wrote to you requesting some information and, as none has yet been received by the Spokane office, the further processing of the application has been referred to this office.

(1) The application referred to an assay sheet several times, but none was received so assay data is completely lacking.

(2) No signed copy of the lease was included and we require at least a photostatic copy of this lease, fully executed.

(3) No maps are available which will indicate to us where the old workings are situated on the claims. There is no first-hand information that the vein actually exists in the face of the tunnel, as far as we can discern. Geological data is completely lacking.

(4) There is mention made of 1,200 feet of diamond drilling, but no plan therefor has been outlined and no maps show how or where the work is to be done. There is no definite plan for exploration in the face of the tunnel after it is cleared and accessible.

There must be some tangible data offered so that it may be possible to evaluate the project here in Washington.

R.G.S.

(5) Of the total amount of money requested, only about 17 per cent would be expended in exploration. This is a very small proporation.

(6) The total calculated cost of the road is approximately $28,000.00 which is much too high. This type of work permits only a minimum expenditure of this kind until there are some results that warrant a greater outlay.

(7) There is no statement anywhere giving either the size of bit that would be used for doing the diamond drilling, or the estimated depths of the holes. The complete costs of drilling are in excess of $10.00 per foot. The Government requires three bids from reputable outside contractors for all drilling work. If the Applicant wishes to do the work, a price must be offered which will equal or better the lowest bid received.

(8) A project of this size does not warrant a 4,000-foot pipe line for bringing water to the mine. It can be obtained by means of barrels or small tanks for drilling purposes.

(9) Assaying costs must be given in the following manner: Number of samples to be assayed, cost per sample assayed, and metals to be analyzed for, and the total money to be expended for this work.

(10) Equipment which is offered by an operator as part payment of its interest in a project is depreciated at a monthly rate of one sixtieth of the present value of such equipment when the contract is prepared.

(11) Rehabilitation cost for the tunnel at $25.00 per foot is excessive.

(12) A project of this size hardly warrants the services of a geologist and an engineer for an entire month.

(13) The application mentions that the use of equipment should be sufficient to care for the Applicant's share of the cost, but, that if money were needed, a limited amount could be furnished. Even if the charges for use of equipment were sufficient to defray half of the cost of the project, which is most generally not the case, it must be borne in mind that the payment of the Government's share of the costs takes from three to four weeks after the operator submits a properly supported voucher. It is important, therefore, that an operator have sufficient funds to finance at least two months of exploration work.

(14) Buildings for an exploration project, when little is known of the possibilities of the property, are usually of a temporary nature and would not warrant the expenditure of approximately $15,000.00 as shown in the estimate.

The information mentioned in items 1-4 must be submitted to us before any evaluation of the project may be made by either the Field Team or the Washington office. This primary evaluation will determine whether a field examination is warranted. The matter of costs may be threshed out with the Field Team after the property has been examined and the project adjudged of sufficient premise to warrant a contract. We have stated our objections to many of the items of costs so that you may know what to expect should a contract be approved.

We shall hold your application in abeyance, for a reasonable time, awaiting your reply.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

WPKlugescheid/er 12/13/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

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

November 15, 1956

Docket

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Reference is made to your letter of November 6, 1956. As yet we have not received the information requested from the applicant in our letter of October 25, 1956. If we do, we will forward it immediately.

We requested this information in the hope that we would be able to make an examination of the property before snowfall, at which time we would have discussed the matter of costs and financing if an approval were justified. However, as this does not meet with your approval, we will not in the future request an applicant to furnish any additional data. We will not follow up our letter of October 25, 1956, unless you advise us to do so.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM (2)
Nickelson

RECEIVED
NOV 26 1956
DEMEA

File Copy
Surname
Klugescheid.
Signed
Selfridge.
Fejohnson

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

500

NOV - 6 1956

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

Re: Docket No. DMEA-4521 (Copper-Lead)
Leesburg Uranium, Inc.
El Dorado Claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

The cited application for exploration assistance has been reviewed by the Base Metals Division and will be held in abeyance until we receive the additional information which you have requested from the Applicant.

The costs in this case are completely out of line and obviously the Applicants do not know how to plan an exploration project. If these costs were whittled down to the permissible amounts, we wonder whether these men would be able to put up enough money so as to be able to carry on a project.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

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

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

WPKlugescheid/er 11/2/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

P.S. Please call Mr. Maclaren's attention to our letter of December 12, 1955, relating, in part, to the procurement of additional data by Washington from applicants who have submitted deficient applications. In this particular case it would also have been well to mention something concerning costs and financing.

RCG.

IN REPLY REFER TO:

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

RECEIVED NOV 5 1956 D.M.E.A.

November 2, 1956

Re: DMEA 4521
Leesburg Uranium Inc.
El Dorado Mine
Lemhi County, Idaho
$129,050 - Copper-lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in building a 3/4-mile road to an old mine, building a camp and rehabilitating a tunnel at the end of which a vein is said to show. Exploratory work would consist of diamond drilling and work on the vein. No definite work program is outlined.

The vein is said to be 5 feet wide and to have produced several million dollars worth of ore between 1890 and 1898. The length of the vein is 1,300 feet. No recent work, such as sampling, appears to have been done and except that the vein, part of which may be bedded, is in the side of a rugged mountain, no particulars concerning the geology are given. It seems unlikely such a rich "sleeper" will be found at the end of the caved tunnel, but an examination may be warranted.

Referral of the application to the Field Team is recommended.

N. E. Nelson

Ned E. Nelson

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

November 1, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4521 (copper-lead), Leesburg Uranium, Inc., El Dorado Mine, Lemhi County, Idaho, $129,050.00

The applicant proposes to explore the property by tunnel rehabilitation, underground exploration, and surface drilling at an estimated total cost of $129,050.00.

No definite program is proposed; no justification is given; costs are excessive and appear in some cases to be repetitious; some costs should be excluded.

It seems that more money is to be spent getting to the property than for actual exploration.

For such an expensive program, more and sufficient data should be furnished.

It is recommended that the applicant be requested to supply the necessary data on the property and program and justify those doubtful and high costs.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

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

October 29, 1956

Leesburg Uranium, Inc.
230 North 2nd Avenue
Pocatello, Idaho

Subject: DMEA-4521
Re: Exploration Assistance
El Dorado Mine

Gentlemen

Your application for exploration assistance, dated October 10, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4521 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region I, N.W. Spokane, Washington

Code 500

3571

DMEA

RECEIVED
OCT 29 1956

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 25, 1956

Mr. J. E. Tarr, Jr.
230 North Second Avenue
Pocatello, Idaho

Re: Application for Aid in an Exploration Project
El Dorado Mine (Copper, Lead Quartz Crystals)
Lemhi County, Idaho

Dear Mr. Tarr:

We have received your application for aid in an exploration project and are forwarding it to our Washington office for initial processing.

In your statements in your extension sheets of the application under paragraph 4(b) and (c) you refer to assay sheet and assay report, respectively. No such sheet or report accompanied the application. None of the four copies of the lease which you submitted were signed. In your description of the proposed work, paragraph 5(b), you refer to a tunnel which you propose to open up and extend and to diamond drill holes which you propose to drill; neither the tunnel nor the proposed locations of the drill holes are shown on the claim maps accompanying the application.

Will you please furnish us with either one signed and notarized copy or a photostat of a signed and notarized copy of your lease; four copies of the missing assay sheet or report to which you refer in your application; and four copies of a sketch showing the location of the existing tunnel, the locations from which the assayed samples were taken, and the location, direction, inclination, and depth of the proposed diamond drill holes.

Sincerely yours,

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

cc: DMEA(2)
USBM(2)

RECEIVED

OCT 29 1956

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 25, 1956

Mr. J. E. Tarr, Jr.
230 North Second Avenue
Pocatello, Idaho

Re: Application for Aid in an Exploration Project
El Dorado Mine (Copper, Lead Quartz Crystals)
Lemhi County, Idaho

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Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region 1
Northwest District

cc: DMEA(2)
USBM(2)

U. S. Government Messenger Envelope

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[illegible]	STOP	~~2 [illegible] 3621~~	STOP
Mr. Duhm	RUN	~~2 [illegible] 4413~~	RUN
Code 850	STOP	~~4 [illegible] 4413~~	STOP
	RUN	~~[illegible] 4512~~	RUN
	STOP	~~1 [illegible] 2[illegible]~~	STOP
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	STOP	~~2 [illegible]~~	STOP
~~Mr. [illegible]~~	RUN	~~3 [illegible]~~	RUN
	STOP		STOP
~~[illegible]~~	RUN	Office of Territories	RUN
[illegible]	STOP		STOP
~~1 [illegible] 4621~~	RUN	1 Mr. Larner	RUN
~~2 [illegible] 3619~~	STOP	~~2 Mr. Westfield~~	STOP
~~[illegible] 4413~~	RUN	3 Director	RUN
~~4 [illegible] 4413~~	STOP	4 Mr. MacMurphy	STOP
~~[illegible] 4512~~	RUN	~~Mr. Sherman~~	RUN
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Mr. Ellis 4/3 Int.	RUN STOP		RUN STOP
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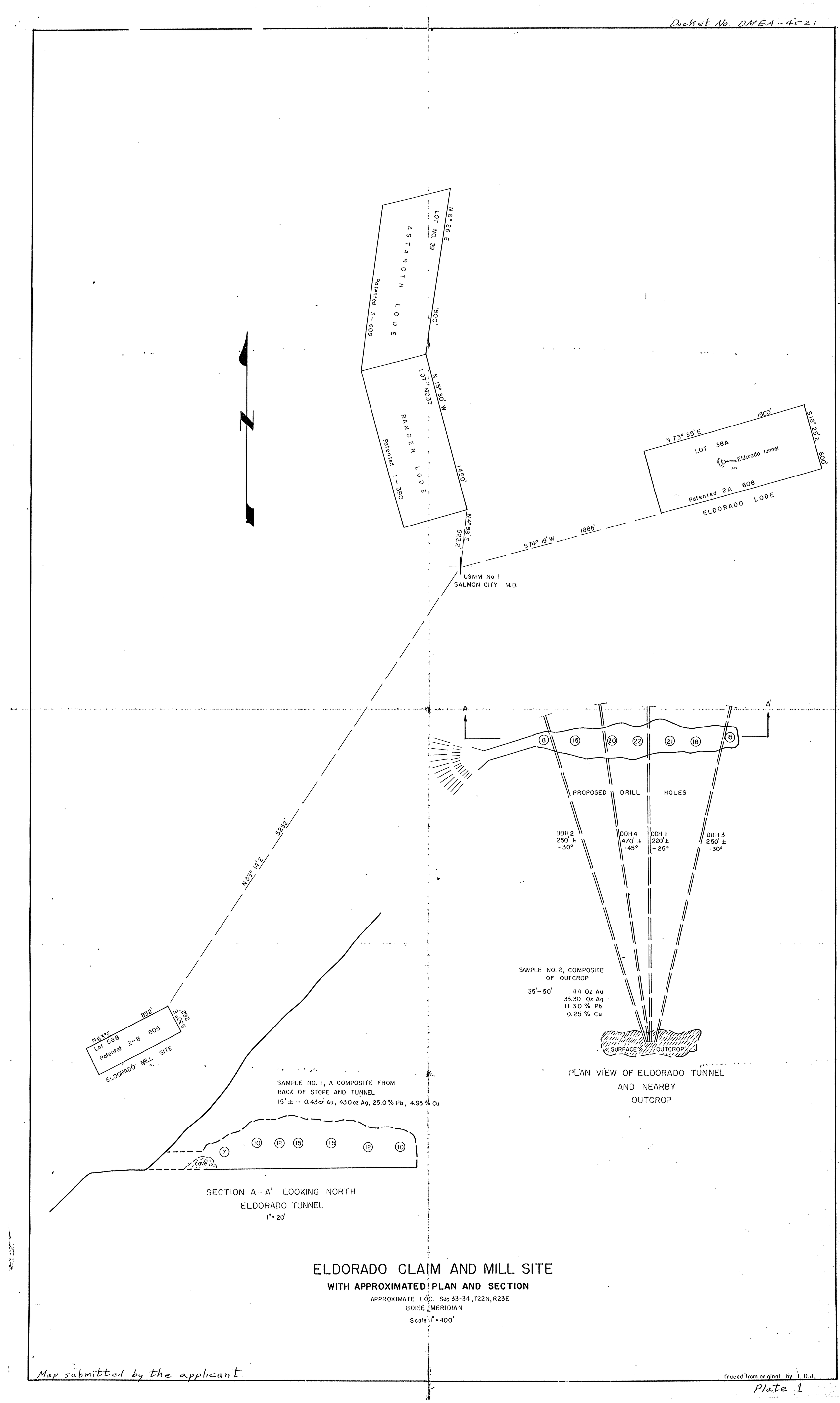
Docket No. OMEA-4521



ELDORADO CLAIM AND MILL SITE

WITH APPROXIMATED PLAN AND SECTION

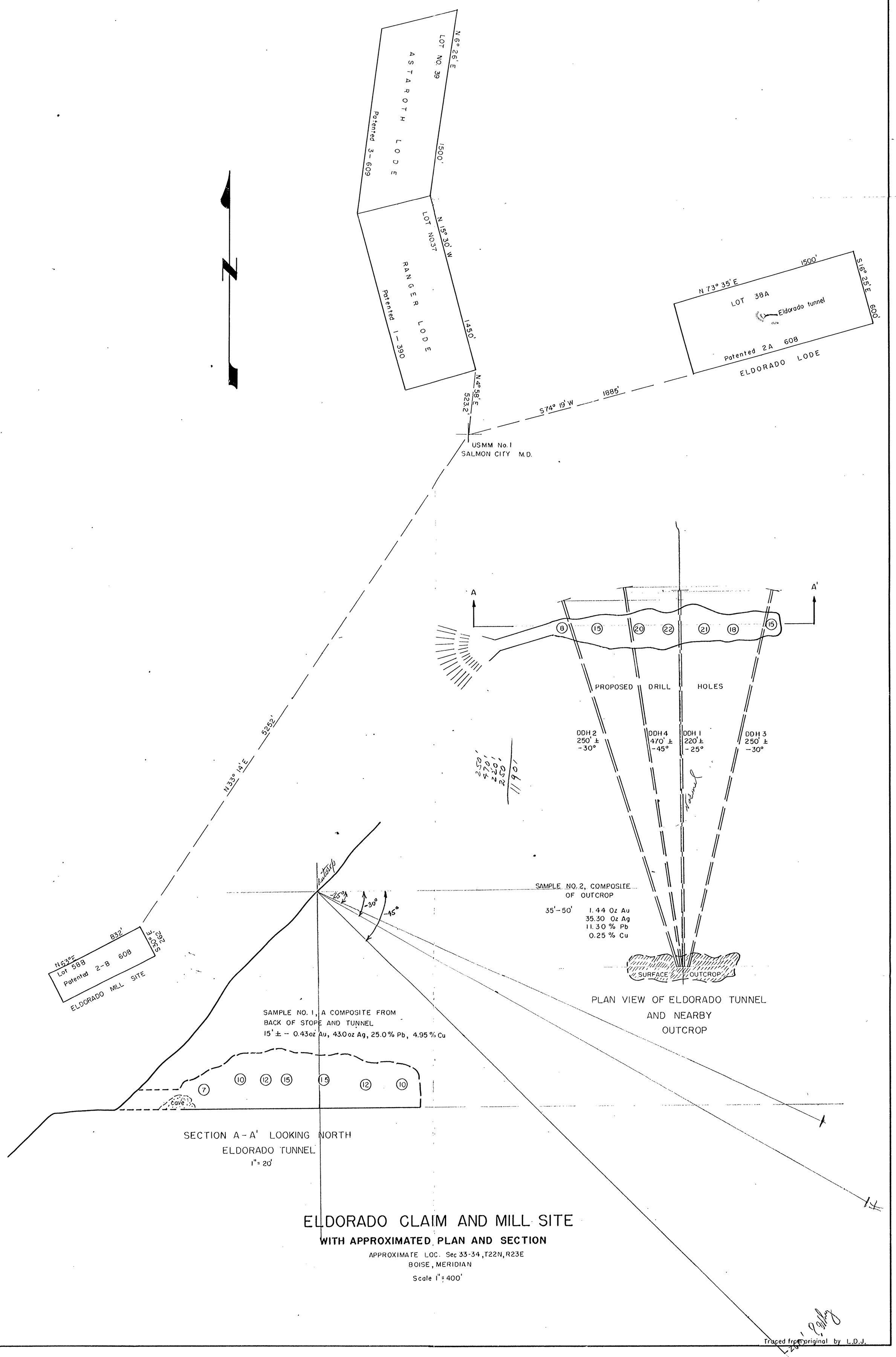
APPROXIMATE LOC. Sec 33-34, T22N, R23E
BOISE MERIDIAN

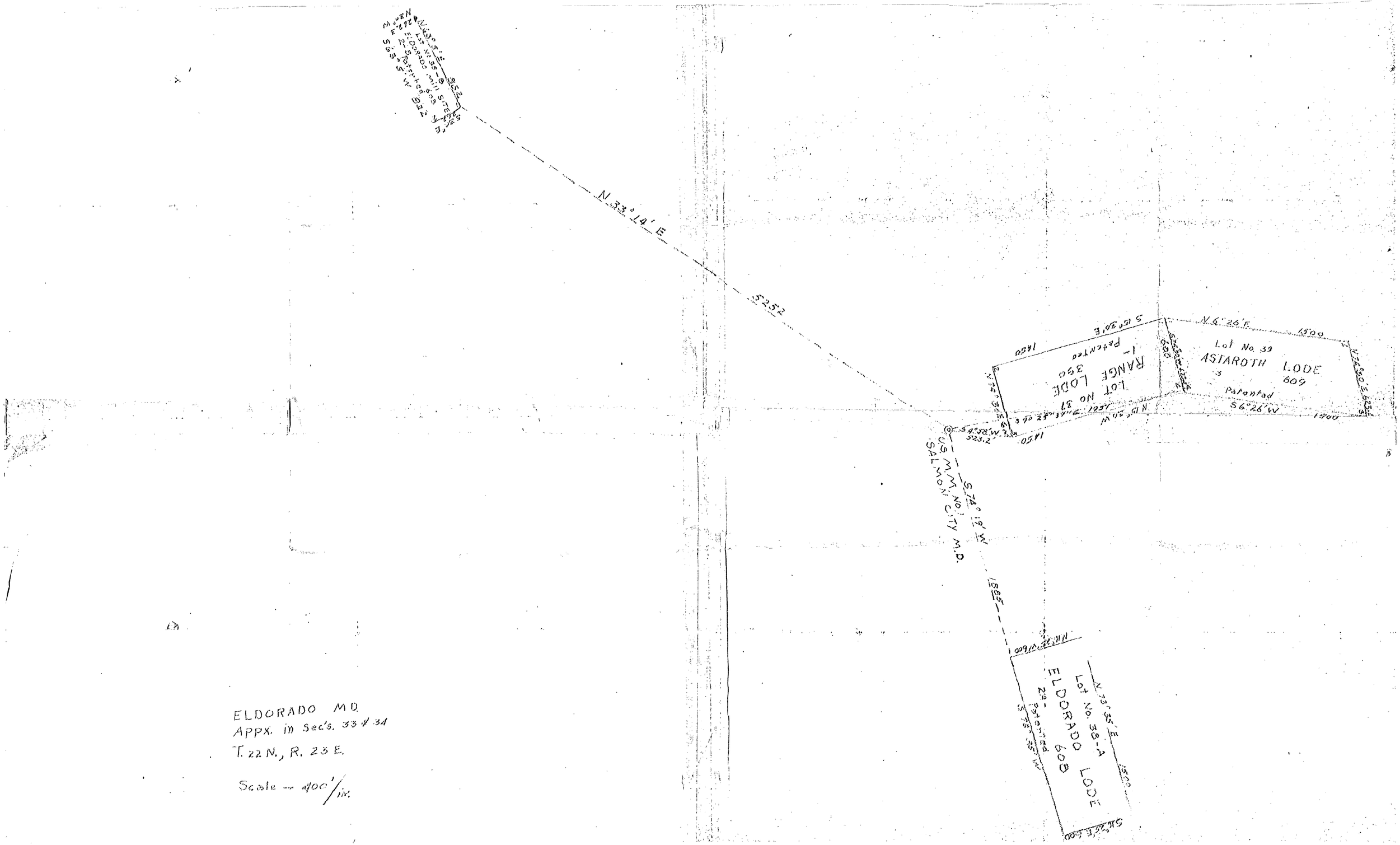
Scale 1" = 400'

Map submitted by the applicant.

Traced from original by L.D.J.

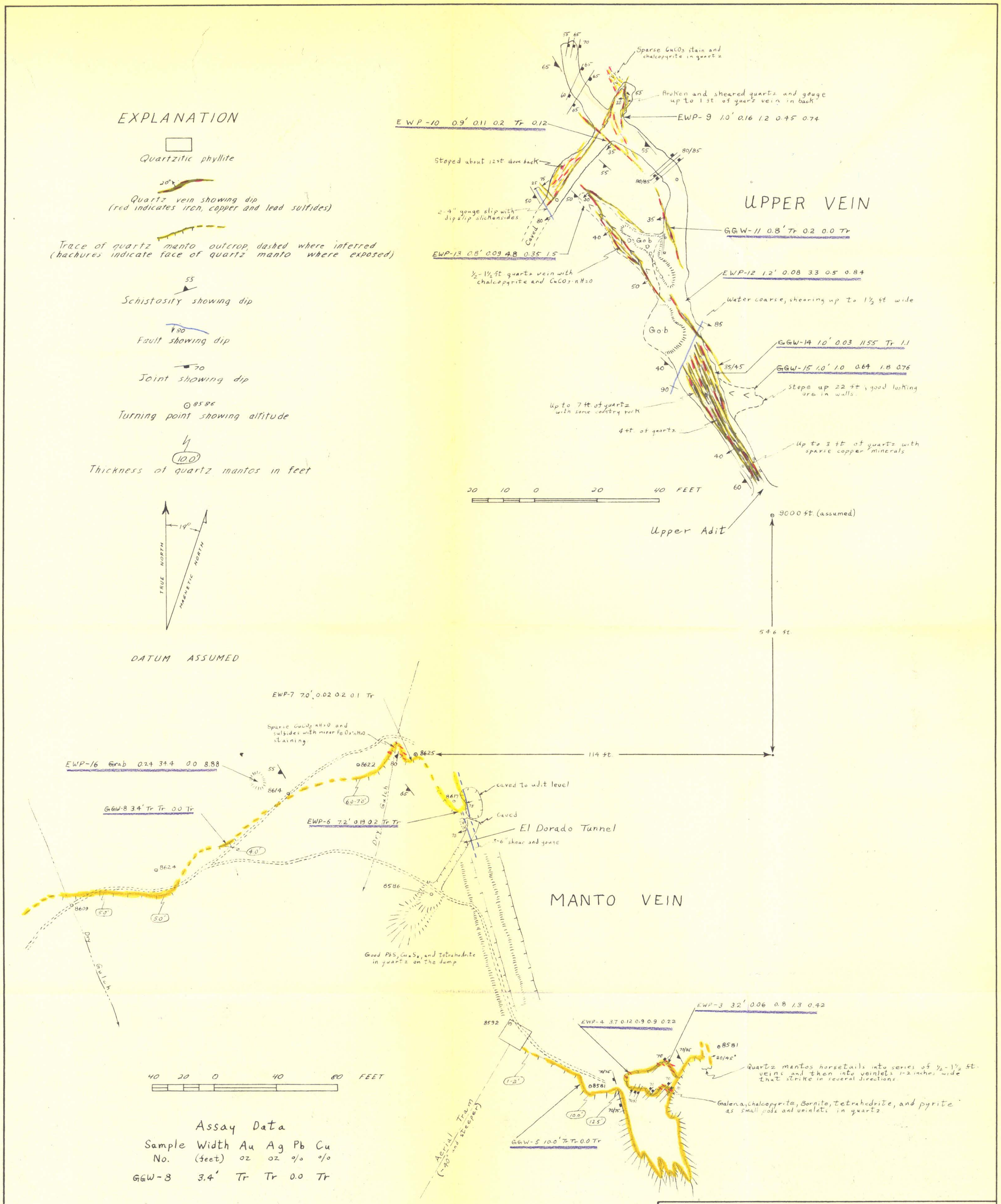
Plate 1


N
N 6° 26' E
LOT NO. 39
ASTAROTH LODE
Patented 3-609
1500'
N 15° 30' W
LOT NO.37
RANGER LODE
Patented 1-390
1450'
N 4° 58' E
523.2'
S 74° 19' W
1886'
USMM No. 1
SALMON CITY M.D.
N 73° 35' E
1500'
S 16° 25' E
600'
LOT 38A
Eldorado tunnel
Patented 2A 608
ELDORADO LODE
N 33° 14' E
5252'
N 63° E
832'
S 30° E
262'
Lot 588
Patented 2-B 608
ELDORADO MILL SITE
A
A'
8
15
20
22
21
18
15
PROPOSED DRILL HOLES
DDH 2
250' ±
-30°
DDH 4
470' ±
-45°
DDH 1
220' ±
-25°
DDH 3
250' ±
-30°
250'
470'
220'
250'
1190'
SAMPLE NO. 2, COMPOSITE
OF OUTCROP
35'-50'
1.44 Oz Au
35.30 Oz Ag
11.30 % Pb
0.25 % Cu
SURFACE
OUTCROP
PLAN VIEW OF ELDORADO TUNNEL
AND NEARBY
OUTCROP
outcrop
-25°
-30°
-45°
SAMPLE NO. 1, A COMPOSITE FROM
BACK OF STOPE AND TUNNEL
15' ± - 0.43oz Au, 43.0oz Ag, 25.0% Pb, 4.95% Cu
7
10
12
15
15
12
10
cave
SECTION A-A' LOOKING NORTH
ELDORADO TUNNEL
1" = 20'
ELDORADO CLAIM AND MILL SITE
WITH APPROXIMATED PLAN AND SECTION
APPROXIMATE LOC. Sec 33-34, T22N, R23E
BOISE, MERIDIAN
Scale 1" = 400'
Traced from original by L.D.J.



ELDORADO MD
Appx. in Sec's. 33 & 34
T. 22 N., R. 23 E.

Scale -- 400'/in.



Assay Data

Sample No.	Width (feet)	Au oz	Ag oz	Pb %	Cu %
GGW-8	3.4'	Tr	Tr	0.0	Tr

GEOLOGIC MAP OF THE EL DORADO WORKINGS

LEESBURG URANIUM, INC.
LEMHI COUNTY, IDAHO

D. C. ALVORD

OCTOBER, 1957

Brunton and tape map by D. C. Alvord and S. L. Hung