DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2543

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION PROJECT

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip
Copies to USBM, USGS, and Region IV.

To:	Code 700, Rm. 4640	Date	5-21-52
To:	Open Com	Date	3-27-53
To:	Open Com	Date	4-8-53
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

7/31/51

THIS INDENTURE, Made t[illegible] the year of our Lord one thousand nine hundred[illegible] Ekker of Hanksville, Utah, of the first part, [illegible]ociates, of Grand Junction, Colorado, of the [illegible]

WITNESSETH, that the said party of the first part, for and in consideration of the rents, covenants and agreements hereinafter expressed to be paid, kept and performed by the said party of the second part, has leased, let and demised, and by these presents does lease, let and demise unto the said party of the second part, the following described premises, situate, lying and being in unorganized Mining District, in the County of Garfield, and State of Utah, to-wit:

2 - unpatented mining claims known as Trail Canyon #1 and Trail Canyon #2. Recorded in the county recorder's office of Garfield County, Utah.

Trail Canyon #1	Book 13	Page 479
Trail Canyon #2	Book 13	Page 479

TO HAVE AND TO HOLD THE SAME, for the purpose of mining, for the term of one year from the date hereof, unless sooner terminated under any of the provisions herein contained, with no power to assign this lease or any interest thereunder, or to sublet the whole or any part of said premises except upon the written consent of the party of the first part.

And the said party of the second part, for and in consideration of the leasing of said premises, covenants and agrees with said party of the first part to commence work on said premises on or before August 10, 1951, and thereafter to work the same continuously, in a thorough and workmanlike manner, employing at least ---- men underground, and working at least 20 shifts each calendar month; to keep the same securely timbered, drained and clear of loose rock and rubbish; to keep accurate accounts, and to render sale of materials statements to the said party of the first part, his agent or attorney, showing the amount and character of work done, and to pay to said party of the first part, his agent or attorney, as rental of said premises royalty upon all ore taken and sold therefrom as follows, to-wit:

Five hundred dollars ($500.00) to be paid to party of the first by the party of the second part at the time of signing of this lease and 15% royalty on all material sold, less haulage & development allowances, except that the party of the second part shall receive the full amount from the sale of the first six tons of material sold.

And the said parties of the second part furthermore covenant and agree that in case they fail in any respect to keep and fulfill any one of more of the covenants or agreements herein expressed or implied, then, and in that case it shall be lawful for the said party of the first part, his agent or attorney, to declare said term ended, and with or without process of law to enter upon and take possession of said premises, and in such case, and also at the expiration of this lease by limitation, said parties of the second part agree to surrender, yield and deliver to said party of the first part quiet and peaceable possession of said premises

in good condition, and that time shall be of the essence hereof, and that all of the covenants and agreements herein contained shall extend to and be binding upon the heirs, executors, administrators, successors and lawful assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties have executed these presents the day and year first above written.

/s/ Horace E. Ekker

S.Y. GUTHRIE & ASSOCIATES

By /s/ S.Y. Guthrie, Partner

STATE OF UTAH, County of Garfield.

I hereby certify that this instrument was filed for record in my office at 9 o'clock A.M. on the 7th day of January, A.D. 1952, and is duly recorded in book Misc. 14, page 270.

/s/ Mildred Devel
Recorder

OPERATING AGREEMENT

THIS OPERATING AGREEMENT made this 15th day of February, 1951, by and between L.R. WEEKS of Salt Lake City, Utah, and S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, sometimes hereinafter referred to as "Contractor":

WITNESSETH:

WHEREAS, L.R. Weeks is the Lessee of certain mining claims in the Henry Mountain Mining District (unorganized) in Garfield County, State of Utah, under a certain LEASE AND OPTION AGREEMENT, dated the 25th day of April, 1950, by and between Canadian Radium & Uranium Corporation, a New York corporation (sometimes hereinafter called "Canadian"), as holder and lessor, and L.R. Weeks as lessee, a copy of said lease being attached hereto as Exhibit "A" and by this reference incorporated herein as though set out in full; and

WHEREAS, it is the desire the L.R. Weeks to engage S.Y. Guthrie, A.K. Grafe, and T.J. Bate, jointly and severally, as Contractor, in his behalf to enter upon said mining claims and operate the same in strict compliance with the Lease (Exhibit "A") and on the terms and conditions set forth herein; and

WHEREAS, Contractor is willing to undertake the work required by the Lease (Exhibit "A") on behalf of and for L.R. Weeks on the terms and conditions and with the rights of cancellation as are hereinafter set forth;

NOW, THEREFORE, in consideration of thepayment of $1.00 by each party to the other, in hand paid, receipt of which is hereby acknowledged, and in consideration of the mutual promises and covenants contained herein, it is mutually agreed as follows:

1. L.R. Weeks hereby engages Contractor to enter upon the mining leases described in the Canadian Lease (Exhibit "A") and to do all work required of L.R. Weeks under the terms of that lease. Contractor is hereby given the right, and agrees, to enter immediately upon all or some of said claims for exploratory and development work and to perform such work; and after April 15, 1951, when exclusive possession is to be obtained by L.R. Weeks, pursuant to the terms of said Canadian Lease (Exhibit "A"), Contractor is to conduct such operations on said lands as will fully perform and comply with all of the terms and conditions of that lease and of this Operating Agreement. However, Contractor is hereby giventhe option, at any time before April 15, 1951, to abandon said operations and if said option is exercised, it shall have no other or further obligation of any kind to L.R. Weeks under this agreement. If said option is not exercised prior to April 15, 1951, then this agreement cannot be cancelled by Contractor (except as provided below) until after April 15, 1952. At any time after April 15, 1952, Contractor may cancel this agreement without any further obligation of any kind on Contractor to L.R. Weeks under this Operating Agreement except to account for any moneys that may be due by Contractor to L.R. Weeks in regard to operations carried on before said date of cancellation. It is also agreed that during the year between April 15, 1951, and April 15, 1952, the Contractor may, if it so elects, cancel this agreement by giving L.R. Weeks 30 days' notice in writing of its election so to do, and by paying him liquidated damages in the amount

of $865.00 per month for each month, or part thereof, between the effective date of such notice and April 15, 1952, and L.R. Weeks shall accept the same in full settlement of all damages or claims for damages arising out of an abandonment of work or failure to perform Contractor's obligations hereunder after said 30 days' notice, Contractor being thereby relieved of all obligation under this contract.

2. Any notice provided for herein may be given by mail or telegram and shall be considered as received by the addressee three days after the date the letter has been mailed or one day after the wire has been sent. Notice to L.R. Weeks shall be sufficient if it is addressed to him as follows:

Mr. L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

or to such other address as he shall in writing designate in lieu thereof. Notice to Contractor shall be sufficient if it is addressed as follows:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dallas, Texas

or to such other address as Contractor shall in writing designate in lieu thereof.

3. It is mutually agreed that the only work to be done by Contractor is that which the lease agreement between Canadian and L.R. Weeks (Exhibit "A") requires L.R. Weeks to perform, and no other or different work is required of Contractor, unless commercial ore is encountered. In such event Contractor agrees, and is hereby permitted, to mine the same. It is also agreed that if any provision hereof shall be in conflict with that lease (Exhibit "A"), then that lease (Exhibit "A") shall control.

4. L.R. Weeks hereby agrees to pay the Contractor all of its direct cost plus an agreed fee equal to 10 per cent of said direct costs for this work. Direct costs are defined to include all labor (including supervisory personnel on job), material, supplies, payroll taxes, insurance, reasonable equipment rentals, legal and accounting expenses, and, without limitation by reason of the foregoing enumeration, all other costs incurred in developing and operating these properties (excluding only general overhead incurred at Contractor's home office). Reimbursement for costs expended in each month (plus the fee thereon) shall be made by the tenth of the following month. Contractor shall have the option, which can be exercised at any time prior to April 15, 1951, to take, in lieu of said cost plus 10 per cent payment, 84 per cent of the net mill and smelter returns for ores produced and sold from said mining claims, remitting to L.R. Weeks 16 per cent of such net returns (out of which 16 per cent shall be paid the royalties due Canadian). Net mill and smelter returns as used herein shall mean the gross amount received from the sale or disposal of ores produced after deducting only treatment, concentration, transportation, sampling and assaying charges. If this option payment is exercised, Contractor, in addition to said 84 per cent of the net mill and smelter returns, shall retain as its sole and separate property all allowances mad by the United States of America or any of its agencies, including allowanc for development, trucking or transportation to the mills, subsidies, or an other payment of any kind or nature paid by the United States of America

or any of its agencies, or from any other source, for the production of ores or to stimulate the production of, or exploration for, ores. Once said election has been made by Contractor, as to whether it will take the cost plus 10 per cent payment or in lieu thereof the net mill returns, etc., said election shall not thereafter be changed and the selected basis of payment shall thereafter control throughout the life of this Operating Agreement.

5. It is acknowledged that the lease (Exhibit "A") between Canadian and L.R. Weeks has a provision granting to the said L.R. Weeks an option to purchase the mining claims leased thereunder. Said provision also provides that royalty payments made to Canadian shall apply on the purchase price. L.R. Weeks hereby authorizes and directs Contractor, to make, from L.R. Weeks' funds received from the operation of these mining claims and the sale of ores therefrom, the necessary payments of royalty to Canadian, and L.R. Weeks agrees that when, and if, payments to Canadian are sufficient to permit the option to purchase to be exercised, he will exercise said option and will, at Contractor's election, agree to a termination of this Operating Agreement and will lease said claims to Contractor under a lease agreement which will in general provide as follows:

(a) The terms of said lease shallbe for five years, with the option on the part of Contractor (who will then become lessee) to renew for consecutive periods of five years for a total of fifty (50) years from the date of the expiration of the first five-year term.

(b) In consideration of the making of said lease, Contractor (lessee) will pay to L.R. Weeks a royalty of 6 per cent of the net mill and smelter returns (as defined above and with the same exclusions) for ores mined and sold from the leased property.

(c) There will be no requirement for minimum work on the claims, except sufficient to do the annual assessment work. However, Contractor will obligate itself to pay, either from operations on the properties hereinabove described, or from operations on the claims covered by that certain lease of even date herewith, executed between the parties to this instrument, a minimum royalty during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February15th) of not less than $10,380.00, payable as follows: Each month Contractor (as lessee) shall pay the royalty to which L.R. Weeks is entitled under paragraph (b) above, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraph during such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year. This obligation shall continue in force and effect only so long as Contractor (lessee) holds and operates the claims a ove described. If Contractor is, without fault on its part, unable to work a portion of these claims, due to conditions of, or defects in, titles, which presently exist, the obligation above set forth to pay a minimum royalty in the manner stated, shall be abated or reduced in the proportion that the claims abandoned or lost bear to the total claims which Contractor agrees to work hereunder.

(d) The lessee is to be permitted to cancel that lease after the first six months, upon thairty (30) days' written notice.

(e) The other provisions shall be in accordance with a standard mining agreement.

It is further agreed that if L.R. Weeks does not exercise his option to purchase,he will, insofar as it is legally possible, endeavor to arrange matters so that Contractor can do so.

It is mutually acknowledged that L.R. weeks is obligated by the lease agreement (Exhibit "A") to pay royalties to Canadian for ores produced and disposed of from these mining claims. L.R. Weeks agrees that these royalties tp Canadian are to be charged to his account, but Contractor shall make these payments as they become due direct to Canadian in accordance with the terms of that lease (Exhibit "A"). Contractor shall not be personally liable for said payments, but shall make the same from funds of L.R. Weeks which Contractor has on hand. If such funds are not available, Contractor shall promptly notify L.R. Weeks so that L.R. Weeks may pay such royalties as may be due. When Contractor makes any required royalty payments to Canadian, it will send to L.R. Weeks a carbon copy of its letter of transmittal and shall show thereon the check number and the amount thereof so that L.R. Weeks can be assured that such payments to Canadian have been made.

7. Contractor agrees, if it elects to exercise its option to take a percentage of the mill returns rather than to be paid on a cost plus basis, that it will send to L.R. Weeks two copies of all settlement sheets for ores sold and disposed of.

8. L.R. Weeks agrees that he will, at his own expense, preserve the possession of the mining claims, so that Contractor can perform the work called for herein, and will warrant and defend, unto Contractor, the rights herein conferred upon Contractor, against every person whomsoever.

9. The status of Contractor under this agreement shall be that of an independent contractor and not that of an employee or agent. In this regard Contractor shall not hold itself out as the employee or agent of L.R. Weeks; shall carry all employees in its own name; shall assume liability for seeing that all payroll taxes are paid, and that workmen's compensation insurance is procured for all operations; andshall save L.R. Weeks harmless from third party claims for damage arising out of the tortious acts or omissions of Contractor.

10. Copies of all engineering, geological, geodetic surveys and maps and all like reports or documents made by Contractor will be furnished without cost to L.R. Weeks.

11. If Contractor elects to be paid by taking 84 per cent of the net mill returns and the allowances by the government as specified above, Contractor shall be responsible for selling or disposing of the ores mined or produced and shall account to L.R. Weeks for his percentage thereof each thirty (30) days. If ores are stockpiled by Contractor (when a market is available), it will have the same assayed and pay L.R. Weeks his share thereof within thrity (30) days from the date said ores are placed in the stockpile. Ores shall not be sold or stockpiled for less than the Atomic Energy Commission's quoted prices, or if that agency or its successors ceases to exist, at prices lower than the prevailing market prices for such ores. Notice may be given by Contractor to L.R. Weeks of the sale or other disposition or stockpiling of ore and the prices being obtained therefor and unless L.R. Weeks objects within thirty (30) days thereafter, he shall be conclusively presumed to have agreed thereto and shall be forever

thereafter estopped and barred from asserting any claim that the ores have not been properly sold or disposed of or stockpiled.

12. It is expressly agreed that Contractor shall have the right to form a corporation in which S.Y. Guthrie is a stockholder, and that this Operating Agreement may be assigned to said corporation. L.R. Weeks agrees that upon the assumption by said corporation of the obligations of Contractor hereunder, Contractor shall be thereby released and discharged from any further obligation accruing under this Operating Agreement thereafter. The parties above named as comprising Contractor may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This Operating Agreement shall not be otherwise assignable without the consent of L.R. Weeks. Unless terminated under one of the foregoing paragraphs, this Operating Agreement shall run for the life of said Canadian lease.

13. This Operating Agreement and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of L R. Weeks and Contractor.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing Operation Agreement the day and year first above written.

/s/ L.R. Weeks
L.R. WEEKS Owner

/s/ S.Y. Guthrie
S.Y. GUTHRIE

/s/ A.K. Grafe
A.K. GRAFE

/s/ T.J. Bate
T.J. BATE

CONTRACTOR

STATE OF UTAH

ss.

COUNTY OF SALT LAKE

On the 21st day of February, 1951, personally appeared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC, Residing at Salt Lake City, Utah

My commission expires: April 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ DOROTHY GARRETT
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

NOTE: These documents are filed by mailing to proper recording office.

September 24, 1951

MINING LEASE

THIS INDENTURE, Made this 31st day of July in the year of our Lord one thousand nine hundred and 51 between Horace Ekker of Hanksville, Utah, of the first part, and S.Y. Guthrie & Associates, of Grand Junction, Colorado, of the second part,

WITNESSETH, that the said party of the first part, for and in consideration of the rents, covenants and agreements hereinafter expressed to be paid, kept and performed by the said party of the second part, has leased, let and demised, and by these presents does lease, let and demise unto the said party of the second part, the following described premises, situate, lying and being in unorganized Mining District, in the County of Garfield, and State of Utah, to-wit:

2 - unpatented mining claims known as Trail Canyon #1 and Trail Canyon #2. Recorded in the county recorder's office of Garfield County, Utah.

Trail Canyon #1	Book 13	Page 479
Trail Canyon #2	Book 13	Page 479

TO HAVE AND TO HOLD THE SAME, for the purpose of mining, for the term of one year from the date hereof, unless sooner terminated under any of the provisions herein contained, with no power to assign this lease or any interest thereunder, or to sublet the whole or any part of said premises except upon the written consent of the party of the first part.

And the said party of the second part, for and in consideration of the leasing of said premises, covenants and agrees with said party of the first part to commence work on said premises on or before August 10, 1951, and thereafter to work the same continuously, in a thorough and workmanlike manner, employing at least ---- men underground, and working at least 20 shifts each calendar month; to keep the same securely timbered, drained and clear of loose rock and rubbish; to keep accurate accounts, and to render sale of materials statements to the said party of the first part, his agent or attorney, showing the amount and character of work done, and to pay to said party of the first part, his agent or attorney, as rental of said premises royalty upon all ore taken and sold therefrom as follows, to-wit:

Five hundred dollars ($500.00) to be paid to party of the first by the party of the second part at the time of signing of this lease and 15% royalty on all material sold, less haulage & development allowances, except that the party of the second part shall receive the full amount from the sale of the first six tons of material sold.

And the said parties of the second part furthermore covenant and agree that in case they fail in any respect to keep and fulfill any one of more of the covenants or agreements herein expressed or implied, then, and in that case it shall be lawful for the said party of the first part, his agent or attorney, to declare said term ended, and with or without process of law to enter upon and take possession of said premises, and in such case, and also at the expiration of this lease by limitation, said parties of the second part agree to surrender, yield and deliver to said party of the first part quiet and peaceable possession of said premises

in good condition, and that time shall be of the essence hereof, and that all of the covenants and agreements herein contained shall extend to and be binding upon the heirs, executors, administrators, successors and lawful assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties have executed these presents the day and year first above written.

/s/ Horace E. Ekker

S.Y. GUTHRIE & ASSOCIATES

By /s/ S.Y. Guthrie, Partner

STATE OF UTAH, County of Garfield.

I hereby certify that this instrument was filed for record in my office at 9 o'clock A.M. on the 7th day of January, A.D. 1952, and is duly recorded in book Misc. 14, page 270.

/s/ Mildred Devel
Recorder

L E A S E A G R E E M E N T

THIS INDENTURE OF LEASE is made and entered into on the 15th day of February, 1951, by and between S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, as Lessee (and hereinafter so called) and L.R. WEEKS, of Salt Lake City, Utah, as Lessor (and hereinafter so called)

W I T N E S S E T H:

That the Lessor, for and in consideration of the payment of $865.00 and the royalties hereinafter provided to be paid by the Lessee to the Lessor, and in further consideration of the covenants and conditions herein required to be kept and performed by said Lessee, hereby leases unto said Lessee upon the terms and conditions and subject to the reservations below set forth the following unpatented mining claims, situate in Garfield County, State of Utah, to-wit:

Group No. 1

Slate Creek No. 1; Slate Creek No. 2; Grover No. 1; Grover No. 2; Grover No. 3; Grover No. 4; Grover No. 5; Grover No. 6; Grover No. 7; Grover No. 8; Grover No. 9; Grover No. 10; Grover No. 11; Grover No. 12; Grover No. 13; Grover No. 14; Grover No. 15; Grover No. 16; Grover No. 17; Grover No. 18; Grover No. 19; Grover No. 20; Black Mountain No. 1; Black Mountain No. 2; Black Mountain No. 3; Black Mountain No. 4; South Fork No. 1; South Fork No. 2;

Group No. 2

Ring No. 1; Ring No. 2; Ring No. 3; Ring No. 4; Ring No. 5; Rocky Mountain No. 1; Rocky Mountain No. 2; Rocky Mountain No. 3; Rocky Mountain No. 4; Rocky Mountain No. 5; Rocky Mountain No. 6; Rocky Mountain No. 7; Rocky Mountain No. 8; Rocky Mountain No. 9; Rocky Mountain No. 10; Rocky Mountain No. 11; Rocky Mountain No. 12; Rocky Mountain No. 13; Rocky Mountain No. 14; Rocky Mountain No. 15; Rocky Mountain No. 16; Rocky Mountain No. 17; Rocky Mountain No. 18; Rocky Mountain No. 19; Rocky Mountain No. 20;

Group No. 3

Lucky Strike No. 1; Lucky Strike No. 2; Lucky Strike No. 3; Lucky Strike No. 4; Lucky Strike No. 5; Lucky Strike No. 6; Lucky Strike No. 7; Lucky Strike No. 8; Lucky Strike No. 8; Lucky Strike No. 9; Lucky Strike No. 10;

to hae and to hold the said mining claims, with the right and privilege of mining and selling all minerals of every kind and nature, including, but not limited to, uranium and vanadium, for a term of five (5) years, commencing on the15th day of February, 1951, and continuing to the 15th day of February, 1956, with the option to renew on the basis set forth herein.

In consideration of the premises, it is covenanted and agreed by and between the Lessor and the Lessee as follows:

1. Lessor warrants that he is the owner of and has the right to lease the mining claims described above under Group No. 1. As to the mining claims described under Group No. 2 above, it is agreed that the consent of Harold Ekker to the making of this lease agreement must yet be had and obtained, and Lessor warrants and agrees that he can obtain such consent, and that he will forthwith do so. As to the mining claims described under Group No. 3 above, it is agreed that the consent of the Realty Company of Denver, a corporation, Kentucky-Utah Mining Company, a corporation, and Harold Ekker, must yet be had and obtained, and Lessor agrees to use his best efforts to forthwith obtain such consent. While the royalties hereinafter provided are expressed as payable to or for the account of Lessor, it is understood that these are the total royalties to be paid by Lessee, and that to the extent that Lessor owns less than the entire undivided mineral interests, or mining claims, above described (or is unable to obtain, without additional charge or expense to Lessee, the consent of the owner thereof to this lease), his royalties, both percentage and minimum per year, will be reduced proportionately. Lessor further warrants that each of said mining claims was originally located in accordance with law; that thereafter all assessment work required by law to keep said mining claims valid has been done; that the necessary notices have been or will be recorded; that the necessary monuments and the markings of said claims on the ground, and all things necessary to effect a valid location, have been done or will be done by Lessor; and that, with the exception above mentioned, said claims are free of lien and encumbrance, he has good right, title, and authority to lease the same, and that he will forever warrant and defend the same unto Lessee against every person whomsoever claiming the same or any part thereof. After the date of this lease the obligation for doing and filing notice of the annual assessment work shall be assumed and performed by Lessee so long as Lessee holds possession of these claims hereunder, and all monuments marking the location of said claims on the ground will be preserved by Lessee at Lessee's expense.

2. Immediately upon the execution of this Lease Lessee shall have the sole and exclusive right of possession and the sole and exclusive right to mine and operate and erect improvements and to produce and sell ores and minerals of every kind and nature whatsoever from the above described properties, subject only to the paramount title of the United States pertaining to unpatented mining claims, to the orders and regulations of the Atomic Energy Commission which apply to uranium and vanadium ores, and to the obtaining of the necessary consents to the making of this lease mentioned in paragraph 1 hereof.

3. Lessee agrees:

(a) To forthwith enter upon the mining claims and to take possession thereof and thereafter throughout the life of this lease and until the same is cancelled or terminated, as hereinafter provided, to maintain possession continuously and, so far as is reasonably possible, to prevent trespass thereon or the theft of ore or other infringement of the rights of Lessor in and to said mining claims.

(b) To occupy all cross or parallel lodes, spurs, or mineral deposits of any kind which may be discovered by Lessee or any person under Lessee in any manner by working within or from the demised ground, as the property of Lessor with the privilege to Lessee of working the same as a part of said demised premises.

(c) That all work done on said mining claims, or any of them, will be done in a minerlike fashion and in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as a workable mine.

(d) To pay to Lessor as a royalty 16 per cent of the net mill and smelter returns from the sale or disposal of all ores mined or produced from any of the premises hereby leased to Lessee; said payments shall continue throughout the life of this lease. Net mill or smelter returns as used herein shall mean the net amount paid for the ores by the milling or smelting company, or any other person, firm or entity to whom such ore may be sold or delivered, after deducting the treatment, concentration, transportation, sampling and assaying charges only. It is agreed that in the event Lessee receives payments from the federal government or any of its agencies, or from any other source, for exploration and development work, or for hauling ore, or for production of ore on the property, or any subsidy or other receipt of any kind or nature whatsoever (except the receipts from the sale or disposal of the ore), Lessee may keep all of said payments and they shall not be considered a part of the net mill returns.

(e) That the 16 per cent royalty provided for above shall be accounted for and paid to First Security Bank of Utah, N.A., Exchange Place Branch, Salt Lake City, Utah, for the account of Lessor.

(f) To keep accurate accounts in accordance with some standard bookkeeping method, and that said accounts showing the operations on these leased premises shall be open to the inspection of Lessor, its accountants and attorneys at reasonable times, but not more frequently than once a month.

4. In the event Lessee enters into possession of the above described mining claims, or any of them, and is later sued for damages for trespass by other parties claiming a superior right of possession, then Lessee shall be held harmless by Lessor by reason thereof, including any amounts which Lessee is required to expend to defend such suit or to pay by way of damages as a result of said suit. If Lessor fails to reimburse Lessee for such damages and expenses, Lessee may, in addition to its other remedies, deduct all such damages and expenses from the 16 per cent royalty payments accruing in the future which it is herein agreed that Lessee will pay.

5. It is understood and agreed that Lessee hereunder shall procure and operate under its own official license from the Atomic Energy Commission, and will not ship ore or other products from the property until such license has been obtained.

6. If at the end of the term hereof Lessee shall have kept and performed all of the conditions and covenants contained herein and shall not have terminated the lease pursuant to the right of termination given herein, under paragraph 11 hereof, then Lessee shall have an unconditional option to renew its lease for consecutive periods of five years upon the same terms and conditions as are provided herein, but not to exceed a total of fifty (50) years after the expiration of this term. If title to any of the mining claims hereto is challenged and by reason of said challenge Lessee in its sole discretion elects to discontinue operations on said claim until the title is cleared, then the term of this lease on that particular mining claim shall automatically be extended for a period equal to the period of stoppage while the title to said claim is being cleared.

7. Lessee hereunder may produce and sell ores or comentrates from these leased claims at will, but in so doing shall not sell or otherwise dispose of ores and ore concentrates or stockpile ores at Lessee's own plant at prices that are less than the standard price obtained at United States government licensed purchasing plants or depots, or if that agency ceases to function, that ores will not be sold or stockpiled at prices below prevailing market prices. Lessee may notify Lessor periodically of the prices being obtained and the disposition being made of the ore or concentrates, and unless Lessor shall protest the amount being received therefor, or the method followed in disposing of or stockpiling the same, within 30 days from the date of said notice, Lessor shall be forever estopped and barred from asserting that Lessee has not properly sold or disposed of or stockpiled the ore or concentrates. Two copies of all settlement sheets will be given to Lessor.

8. Any notice provided for herein, or desired to be made, to Lessor shall be considered as given five (5) days after the same has been mailed to the following address, to-wit:

L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

Any notice provided for herein, or desired to be made hereunder, to Lessee shall be considered as given five (5) days after the same is mailed addressed as follows, to-wit:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dallas, Texas

9. The failure of Lessee to perform any of the conditions or covenants herein provided shall constitute grounds for cancellation. However, Lessor shall, before cancelling said lease, notify in writing Lessee of the claimed breach, and Lessee shall have 30 days thereafter within which to cure the same, and said lease cannot be cancelled by Lessor if within 30 days after receipt of said notice Lessee has cured the breach.

10. In the event of cancellation or termination of this lease in any way, and at any time, all improvements attached to the realty by Lessee shall remain on the leased premises. Only those items which cannot be removed from the property without injury or damage to the property shall be considered to be attached. Anything else may be removed, and Lessee shall have the privilege of entering upon said premises at any time for a 60-day period after termination or cancellation, to remove the same.

11. Lessee may at any time during the life of this lease give Lessor 30 days' written notice of its intention to abandon possession of said premises and to terminate this lease. Up to the date of the giving of said notice and for said 30 days thereafter, Lessee shall be obligated to protect the possession of these mining claims and perform all other covenants of this lease. If said notice is given later in a calendar year than May 1st, Lessee shall be obligated to complete the annual assessment work which is required to be filed before the following July 1st, but after said 30 days notice Lessee shall have no other or further obligation

hereunder, either in respect to the future, or in respect to past acts or omissions occurring prior to issuance by Lessee of its notice of intention to abandon (except as to such past acts or omissions as to which Lessor has complained in writing to Lessee prior to issuance by Lessee of its notice of intention to abandon).

12. Lessor agrees that if he becomes interested directly or indirectly in any other mining claims or mining properties, or mineral or oil leases and elects to offer the same for lease or sale, that he will offer said properties or leases to Lessee, and give Lessee the first opportunity to meet the best bona fide offer which he can obtain thereon. It is agreed by Lessor that Lessee shall have fifteen (15) days after said offer is presented to Lessee within which to elect to take the same.

13. The parties hereto mutually acknowledge that they have simultaneously herewith executed an Operating Agreement under the terms of which Lessee will operate, mine and develop certain mining claims which Lessor holds under a lease from Canadian Radium & Uranium Corporation, a New York corporation. It is not known on which claims the major work will be done. It is agreed, however, that from the operations on the Canadian Radium & Uranium Corporation properties, or on the properties described above, Lessee will pay during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February 15th) a minimum royalty of not less than $10,380.00, payable as follows: Each month Lessee shall pay the royalty to which Lessor is entitled under preceding paragraphs of this lease, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraph during such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year.

It is specifically agreed that the foregoing paragtaph shall be in force and effect only so long as Lessee holds and operates the claims above described. It is further agreed that if operations are abandoned on the Canadian Radium & Uranium Corporation claims, the obligation of this lessee to pay this minimum monthly royalty thereafter shall be reduced by the amount of one-third, and possession of these claims may thereafter be held upon the payment of a minimum monthly average royalty of $576.67 in the manner above provided. If these claims are abandoned and this lease is cancelled, the sole remaining obligation of Lessee shall be as is specified in its Operating Agreement relating to the Canadian claims. It is also mutually agreed that this lease and the operating agreement shall be considered to be independent and unrelated, except for this provision relating to a minimum payment to Lessor. This lease may be separately cancelled or terminate, or the operating agreement may be separately cancelled or terminate. If the operating agreement is cancelled or terminates, the minimum monthly average royalty provided for shall be reduced to $576.67, as provided above. If this lease is cancelled or terminates, the operating agreement shall remain as the sole obligation of these parties, just as though this agreement had never been made.

14. It is expressly agreed that the Lessee shall have the right to form a corporation in which S.Y. Guthrie is a stockholder, and that this lease agreement may be assigned to said corporation. Lessor agrees that upon the assumption by said corporation of the obligations of Lessee hereunder, Lessee shall be thereby released and discharged from any further obligation accruing under this lease thereafter. The parties

above named as comprising Lessee may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This lease shall not be otherwise assignable without the consent of Lessor.

15. Lessee agrees that it will make available to Lessor one copy of all maps, engineering reports, geological reports, geodetic surveys or other similar documents or reports made by Lessee or on its behalf during the life of this lease.

16. Lessee agrees that Lessor may come on the property at reasonably frequent intervals to inspect the mining operations being conducted thereon.

17. This lease and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of Lessor and Lessee.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing lease the day and year fist above written.

/s/ L.R. WEEKS
L.R. WEEKS Lessor

/s/ S.Y. GUTHRIE
S.Y. GUTHRIE

/s/ ADAM K. GRAFE
A.K. Grafe

/s/ THOMAS J. BATE
T.J. BATE
Lessee

STATE OF UTAH
: ss.
COUNTY OF UTAH

On the 21st day of February, 1951, personally appeared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC
Residing at Salt Lake City, Utah

My commission expires: Apr. 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worsham
NOTARY PUBLIC
Dallas County, Texas

My commission expires: Jan. 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worhsam
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Dorothy Garrett
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

LEASE AND OPTION AGREEMENT

THIS LEASE AND OPTION AGREEMENT, made and entered into this 25th day of April, 1950, by and between CANADIAN RADIUM & URANIUM CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of New York, with its principal place of business at New York City, New York, and duly qualified to own and hold unpatented lode mining claims and transact business within the State of Utah, as Lessor and Optionor, hereinafter referred to as the Party of the First Part, and sometimes called Lessor, and L.R. WEEKS of Salt Lake City, Utah, hereinafter referred to as the Party of the Second Part, as Lessee and Optionee, and sometimes called the Lessee.

WITNESSETH

WHEREAS, the party of the first part now owns, holds and controls certain unpatented lode mining claims, hereinafter described, subject to the paramount title in the United States Government, and also subject to an outstanding lease executed by the party of the first part in favor of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, as lessees, and to an outstanding lease from the party of the first part to J.H. McElroy, copies of which leases are attached hereto, marked Exhibits "A" and "B" respectively, and by this reference made a part hereof; and

WHEREAS, the said party of the first part is desirous of leasing and selling certain mining claims hereinafter described, to the said party of the second part, and the said second party of the second part is desirous of leasing and purchasing such mining claims from the party of the first part, subject to paramount title in the United States Government and the outstanding leases in favor of the Ekkers and McElroy hereinabove referred to.

NOW, THEREFORE, in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the party of the second part to be kept and performed, the said party of the first part hereby grants, demises and lets to the party of the second part all right, title and interest now held or hereinafter to be acquired, subject to the paramount title in the United States Government and the outstanding lease in favor of the Ekkers, in and to the following described mines, mining claims and mining properties situate in the Henry Mountain Mining District (unorganized), Garfield County, Utah, to-wit:

Butler Wash Claim No. 1, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Taylor Ridge Claim No. 1, recorded December 3, 1943, in Book 9 (misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Minnie Pearl Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 592, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 593, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 3 and 4, recorded December 3, 1943, in book 9 (Misc) of Notices of Location, Page 594, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 5 and 6, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 595, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 7 and 8, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 596, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 9 and 10, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 597, of the Records of Garfield County, Utah.

Eagle Claim No. 1 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 29, of the Records of Garfield County, Utah.

Eagle Claims Nos. 2 and 3, recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 30, of the Records of Garfield County, Utah.

Eagle Claim No. 4 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 31, of the Records of Garfield County, Utah.

Congress Claims Nos. 1 and 2, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 601, of the Records of Garfield County, Utah.

Congress Claims Nos. 3 and 4, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 602, of the Records of Garfield County, Utah.

Congress Claims Nos. 5 and 6, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 603, of the Records of Garfield County, Utah.

Congress Claims Nos. 7 and 8, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 604, of the Records of Garfield County, Utah.

Congress Claims Nos. 9 and 10, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 605, of the Records of Garfield County, Utah.

Congress Claims Nos. 11 and 12, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 606, of the Records of Garfield County, Utah.

Congress Claims Nos. 13 and 14, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 607, of the Records of Garfield County, Utah.

Congress Claims Nos. 15 and 16, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 608, of the Records of Garfield County, Utah.

Congress Claims Nos. 17 and 18, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 609, of the Records of Garfield County, Utah.

Congress Claims Nos. 19 and 20, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 610, of the records of Garfield County, Utah.

Congress Claims Nos. 21 and 22, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 611, of the Records of Garfield County, Utah.

Congress Claims Nos. 23 and 24, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 612, of the Records of Garfield County, Utah.

Congress Claims Nos.25 and 26, recorded Dec. 27, 1943, in Book 10, (Misc) of Notices of Location, Page 1, of the Records of Garfield County, Utah.

Congress Claims Nos. 27 and 28, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 2, of the Records of Garfield County, Utah.

Congress Claims Nos. 29 and 30, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 3, of the Records of Garfield County, Utah.

Congress Claims Nos. 31 and 32, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 4, of the Records of Garfield County, Utah.

Congress Claims Nos. 33 and 34, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 5, of the Records of Garfield County, Utah.

Congress Claims Nos. 35 and 36, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 6, of the Records of Garfield County, Utah.

Congress Claims Nos. 37 and 38, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 7, of the Records of Garfield County, Utah.

Congress Claims Nos. 39 and 40, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 8, of the Records of Garfield County, Utah.

Congress Claims Nos. 41 and 42, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 9 of the Records of Garfield County, Utah.

Congress Claims Nos. 43 and 44, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 10, of the Records of Garfield County, Utah.

Congress Claims Nos. 45 and 46, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 11, of the records of Garfield County, Utah

Congress Claims Nos. 47 and 48, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 12, of the Records of Garfield County, Utah.

Congress Claims Nos. 49 and 50, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 13, of the Records of Garfield County, Utah.

Congress Claims Nos. 51 and 52, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 41, of the records of Garfield County, Utah.

Congress Claim No. 53, recorded May 31, 1944, in Book 10 (Misc) of Notices of Location, Page 54, of the Records of Garfield County, Utah.

Congress Mill Site, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 42, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 1 and 2, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page44, of the records of Garfield County, Utah.

Del Monte Claims Nos. 3 and 4, recorded April 24, 1944, in Book 10, (Misc) of Notices of Location, Page 45, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 5 and 6, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page 46, of the Records of Garfield County, Utah.

together with all the corresponding appurtenances, rights and franchises thereunto belonging or in any wise appertaining.

To have and to hold unto the said party of the second part, subject to the outstanding Ekkers lease, hereinabove referred to , for the term of six (6) years from date hereof, expiring at noon on the 25th day of April, 1956, unless sooner forfeited or determined through the violation of any covenants hereinafter against the party of the second part reserved.

In consideration of such demise, the said party of the second part covenants and agrees with the party of the first part as follows, to-wit:

1. To enter upon said mines, mining claims or premises and investigate the same, including the performance of engineering and geological work necessary to properly appraise and evaluate the possibilities of the development of ore, and the formulation of a development and mining program consistent with good mining practice under the conditions and circumstances existing at such mines, mining claims and mining properties.

2. To furnish to the party of the first part, from time to time, as compiled and prepared, copies of all maps, reports and other date resulting from the examination and investigation of such mines, mining claims and

mining properties.

3. To enter upon said mines, mining claims and mining properties, so soon as possession thereof can be obtained through the Ekkers as the holders of said outstanding lease, and work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as workable mining properties.

4. To work and mine said mining claims and mining properties steadily and continually from the date possession thereof is available for such purposes, and perform or cause to be performed in the exploration, development or operation of said mines, mining claims and mining properties, the miners shifts of 8 hours of work each as hereinafter set forth, unless prevented by strikes, inability to transport ore to markets through inclement weather or road conditions, or Acts of God over which the party of the second part has no control:

80 miners shifts of work per month for the first 6 months the party of the second part has possession of said mines, mining claims and mining properties for production of ore therefrom.

100 miners shifts of work per month during the succeeding 18 months.

150 miners shifts of work per month thereafter.

5. To timber underground whenever and wherever necessary, if good mining practice, under the circumstances then obtaining, should so indicate.

6. To allow the party of the first part and its agents, from time to time, to enter in and upon said mines, mining claims and mining property for purposes of inspection, sampling and general investigation.

7. To adequately equip said mines, mining claims and mining properties, so soon as possession is obtained for mining purposes, with necessary machinery and equipment, including necessary compressors, drilling machines and other equipment necessary to effectively develop and operate said mines, mining claims and mining properties so as to take out the greatest amount of ore possible with due regard to the preservation of same as workable mines.

8. To expend, in actual new development, not less than the development allowance of 50¢ per pound of U_3O_8 as allowed for such purpose by the Atomic Energy Commission in so long as such allowance is available, and thereafter expend such amounts as may be necessary to conform with good mining practice under the circumstances and conditions then obtaining.

9. To build and construct, as soon as possession has been obtained for mining purposes, such roads as may be necessary to properly explore, develop and operate said mines, mining claims and mining properties.

10. To perform, as soon as possession is obtained for mining purposes, all necessary assessment work on all of said mining claims and, within the time required by law, to file necessary affidavits of said assessments.

11. To survey, as soon as possession of said claims has been

obtained for mining purposes, all of said mining claims, check all discovery and other monuments, and where necessary, adjust lines, erect new monuments and otherwise keep all of said claims in good standing.

12. To ocupy and hold all cross or parallel lodes, spurs or mineral deposits of any kind which may be discovered by the party of the second part, or any person under it, in any manner, by working within the demised ground, as the property of the party of the first part, with privilege to the party of the second part of working the same as part of said demised premises.

13. To take out, carry and maintain full industrial insurance with the Utah State Industrial Commission for any and all persons employed in or upon said premises by the party of the second part, and to conduct all operations so as to comply fully with the laws of the State of Utah relating to mining, safety regulations and in every other respect.

14. To post notices at at least 25 conspicuous places on the mining properties showing that the properties are being operated by the party of the second part and that all creditors must look to the said party of the second part for payment of any accounts incurred after operations commence by the party of the second part, and to hold harmless the party of the first part from any and all claims or demands arising or growing out of the exploration, development and operation of said properties by the party of the second part.

15. To comply with the Federal and State laws in regard to Social Security, Unemployment Compensation and Withholding Tax.

16. To install and maintain full and complete books of account covering all phases of development and operation of the mines, mining claims and mining properties, which said books shall be open to the inspection of the party of the first part at any and all reasonable times, and to furnish the party of the first part, after possession of the properties is obtained for mining purposes, a monthly report of all operations.

17. To pay all taxes in connection with ownership or operation of the premises, commencing with the year 1950, and for each year this agreement or any renewal thereof is in effect.

18. To promptly pay for all labor and supplies to be done for or furnished to Lessee, or any person or persons under or in privity with it, and to keep the said premises and every part thereof free and clear of any mechanic's, miners' or other liens or encumbrances.

19. To keep the premises in good order and repair and not to remove, without witten permission of the party of the first part, any property which now is or during the term of this agreement may become permanently affixed or attached to the premises so as to become a part of the freehold.

20. To allow no person not in privity with the parties hereto to take or hold possession of said premises, or any part thereof, under any pretext whatever, without written permission of the Lessor.

21. To protect and save harmless the party of the first part from and on account of any and all claims of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, J.H. McElroy or any one else arising out

of the party of the second part's tenancy, occupation or operation of the premises.

22. To pay quarterly to the party of the first part, as royalties, 10% of the net mill returns* received from the sale of ores extracted and which may be found in or upon the above described mines, mining claims and mining properties, and reduced, treated, sold and shipped.

The party of the second part agrees with and warrants and guarantees to the party of the first part that such royalties shall aggregate the following amounts annually:

At least $2,000. on or before one year from the date of this agreement, and will pay on account thereof the party of the first part $1,000. upon the execution of this Agreement.

At least an additional $4,000. on or before two years from the date hereof.

At least an additional $4,000. on or before three years from the date hereof.

At least an additional $5,000. on or before four years from the date hereof.

At least an additional $5,000 on or before five years from the date hereof.

At least an additional $5,000. on or before six years from the date hereof.

It is further understood and agreed between the parties hereto that in the event the royalties paid under the foregoing lease do not equal the minimum sum for the years set forth above, that the party of the second part shall remit and pay any difference to the party of the first part on or before the last quarter of the year in which such deficit occurs.

---

* Net mill returns are hereby defined as the amount received from the Atomic Energy Commission, or any of its authorized agents, under the schedule of settlements now in effect, or hereafter to be placed in effect by the Atomic Energy Commission, exclusive of any allowances for trucking or transportation charges to the mills, and exclusive of development allowances, but before the payment of any exploration, development, mining, supervisory or other costs, or, in the event markets become available for uranium-vanadium ores other than through the Atomic Energy Commission or its authorized agents, where prices are equal to or greater than those paid by the Atomic Energy Commission or its authorized agents, such net mill returns would be the amount received from any lawful purchaser of ores after the payment of trucking and all transportation charges to the place of purchase, milling or processing costs, if any, but before the payment of any exploration, development, mining, supervisory or other costs.

23. Upon violation of any covenant or covenants hereinabove reserved, this lease, at the option of the party of the first part, shall expire, and the party of the first part of its Agent, may thereupon, after 30 days due notice in writing to the party of the second part, addressed by registered mail to Salt Lake City, Utah, at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.C. Frawley, 522 Felt Building, Salt Lake City 1, Utah, and provided the deficiencies complained of have not been corrected within said period, enter upon said premises and dispossess all persons occupying the same, and the said party of the first part shall thereupon in case of cancellation, retain all considerations theretofore received by it as liquidated damages for non-performance.

In consideration of the true and faithful performance of the terms, covenants and conditions of the above lease by the party of the second part, the said party of the first part hereby grants unto the party of the second part an option exercisable at any time within six years from the date of this Agreement, unless this Agreement has been terminated earlier, to purchase the abovedescribed mines, mining claims and mining properties for the sum of $120,000. Such option to be exercised by sending notice by registered mail to the party of the first part at its principal place of business, presently 630 Fifth Avenue, New York 20, N.Y.

It is hereby understood and agreed between the parties hereto that all royalties on production paid under the terms of the foregoing lease shall apply and be credited upon the purchase price of this option, such application of credit to be applied on the payment next due, with any over-plus to be appliedon the next succeeding payment or payments. The entire sum of $120,000. however, to be paid on or before six years from the date of this Agreement.

It is further mutually understood and agreed between the parties hereto that the said party of the first part, upon the receipt of $20,000.00, under the terms of this instrument, and a notice of the exercise of this option, shall make and execute a good and sufficient mining deed covering all of the right, title and interest of the party of the first part, and all interest to be acquired by it in the future, in and to the above described mines, mining claims and mining properties, in favor of the party of the second part, such deed to be placed in escrow with some Bank or Trust Company or other mutually agreeable escrow holder, with instructions to deliver the same to the party of the second part or its assigns upon full payment of the purchase price of said mines, mining claims and mining property, as hereinabove set out. In the event that subsequent to the delivery of the mining deed as aforesaid, the party of the second part shall fail to complete the purchase, or that this agreement shall be cancelled or terminated before the purchase price is entirely paid, the party of the second part will cause the escrow agent to return to the party of the first part the aforesaid mining deed.

It is further understood and agreed between the parties hereto that in the event of cancellation of the lease and option by the party of the first part, for non-performance on the part of the party of the second part, or, in the event the party of the second part chooses to relinquish its rights under said lease and option, the said party of the second part shall have 90 days within which to remove all of its mining equipment and machinery, not affixed to the freehold, from said mines, mining claims

and mining properties, but no timber shall be removed from underground, nor shall any ore bins be torn down and removed from the properties.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part fails to carry out or fails to comply with the terms, covenants and conditions of the option hereinabove set forth, or in the event the said party of the second part fails to comply with the terms, covenants and conditions of this lease above set forth, the said party of the first part may, at its option, after giving thirty days due notice in writing outlining the defalcations of the party of the second part, which said notice shall be addressed to the party of the second part at Salt Lake City, Utah, (at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.G. Frawley, 522 Felt Building, Salt Lake City 1, Utah) cancel said option and lease provided the deficiencies complained of have not been remedied within the thirty-day period, and in case of such cancellation, all considerations theretofore paid to the party of the first part shall be retained by it as liquidated damages for non-performance on the part of the party of the second part.

It is further mutually agreed andunderstood between the parties hereto that the lease and option set forth in this instrument are inseparable and that no interest of any kind or character in this instrument held by the party of the second part can be transferred or assigned without the consent in writing of the party of the first part.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part is declared or adjudicated to be bankrupt, or his assets placed in receivership by courts of competent jurisdiction, and such assets remain unreleased for more than sixty days, all interest of the party of the second part in and to the lease and option agreement herein described, shall be terminated, and thereafter shall be void and of no effect.

Each and every agreement and covenant of the foregoing lease and option shall extend to the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the party of the first part by and through its proper officers in their respective behalfs duly authorized by resolutions of its Board of Directors, this 28th day of April, 1950.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
President

ATTEST:

/s/ Alexander Pregel
Sec'y.

PARTY OF THE FIRST PART

/s/ L.R. WEEKS
L.R. Weeks

PARTY OF THE SECOND PART

STATE OF NEW YORK
ss.
COUNTY OF NEW YORK

On this 28th day of April, 1950, before me, the undersigned authority, personally appeared Boris Pregel and Alexander Pregel, president and secretary, respectively, of Canadian Radium and Uranium Corporation, the corporation subscribing to the foregoing instrument as Party of the First Part, and acknowledged to me that such Corporation executed the same freely and voluntarily for the uses and purposes therein set forth, through them as officers in its behalf duly authorized by resolution of the Board of Directors.

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

/s/ DAVID SCHAPIRO
NOTARY PUBLIC

My commission expires March 30, 1952

STATE OF UTAH
ss.
COUNTY OF SALT LAKE

On this 25th day of April, 1950, personally appeared before me L.R. WEEKS, the signer of the foregoing instrument, who duly acknowledged to me that he executed the same.

/s/
Notary Public
Residing at Salt Lake City, Utah

My commission expires: June 8, 1951

Filed for record 35563

this 16th day of May A.D. 1950

Recorded this 16th day of

May A.D. 1950

In Book Misc. 11, Page 302 to 306

Garfield County Records

/s/ Mildred Devel
Garfield County Recorder

1:30 P.M.

Exhibit A & B

Mining Lease not recorded.

EXHIBIT A

MINING LEASE

This Indenture Made this fifteenth day of April in the year of our Lord, one thousand nine hundred and forty-eight between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and Horace E. Ekker, Cornelius Ekker, Darys Ekker and Riter Ekker, hereinafter termed the LESSEES, parties of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEES to be kept and performed, has granted, demised and let, and by these presents does grant, demise and let unto the said LESSEES all the following described mining properties, situated on the east and southeast side of the Henry Mountains, and more particularly in the vicinity of Trachyte Ranch and Star Ranch, in the Trachyte Mining District, County of Garfield, State of Utah, to wit:

The following mining claims held by location:

Congress 1 to Congress 53 inclusive, totaling	53 claims
Congress Mill Site	1 claim
Minnie Pearl 1 to Minnie Paarl 5 inclusive, totaling	5 claims
Bell and Bell 1 to Bell 6, inclusive, totaling	7 claims
Slate Creek 1 to Slate Creek 3, inclusive, totaling	3 claims
Daisy June 1 to Daisy June 10, inclusive, totaling	10 claims
Eagle 1 to Eagle 4, inclusive, totaling	4 claims
Butler Wash	1 claim
Taylor Ridge	1 claim
Total number	85 claims

The above claims situated on the east and southeast side of the Henry Mountains.

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEES shall have no right to extend his or their workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, for the term of three (3) years from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or determined through the violation of any covenant or agreement hereafter against the said LESSEES reserved.

FIRST: In consideration of said lease, the Lessees do hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a markable mine, all

work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises before the first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims of the mining properties hereinbefore referred to.

3rd: To noty the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEES.

4th: To file in the office of the county recorder for Garfield County, on or before the first day of June in each year that this agreement is in effect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements' made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LESSEES to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEES, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining properties for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.

(3) Before LESSEES enter into a contract with a prospective sublessee, LESSEES to notify, in writing, the LESSOR of their intention, setting forth the specific portion of the properties to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times:

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.

(b) To take average samples from any ores awaiting shipment.

(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanic's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the15th day of each calendar month all indebtedness and liabilities incurred by the LESSEES, or any person or persons under or inprivity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises, and if any lien be filed, or if any part of the payroll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, atits election declare a forfeiture of this lease as hereinafter provided; and from time to time keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to any of the LESSEES, agents, employees or representatives of the LESSEES in or upon the properties of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEES agree to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEES agree that if compensation insurance is not taken out by LESSEES as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of such insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEES.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEES may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship all ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to -wit:

1st: That the LESSOR reserves the property and rights of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEES shall pay seven and one-half (7½%) royalty on the net returns of all ores shipped from said properties. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the properties to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEES after royalty and cost of compensation insurance to LESSOR have been deducted and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y.

4th: The LESSEES do hereby covenant and agree that in case they fail to keep, fulfill or perform any agreement or covenant, expressed or implied, by them to be performed hereunder no matter what the same may be, then and in that event the term of this lease, shall at the option of the LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEES agree to

surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEES, which it shall be possible to remove without injury to the premises; and all dumps, ores and other mineral detached or broken from said premises, but still remaining therein, with all drifts, shafts, tunnels and other workings thoroughly clear of loose rock and rubbish, and drained, and the mine ready for immediate continued working (accidents not arising from negligence alone excusing) without demand or further notice; and should the LESSEES fail to do so, they may forthwith be evicted from said premises, forcibly or otherwise, with or without process of law.

5th: Upon the termination of this lease upon any of the conditions herein provided for, the said LESSOR shall have the option of purchasing all buildings erected upon said premises, together with all engines, machinery, hoisting apparatus and other appliances belonging to said LESSEES, and placed thereon and used in connection with said premises at a value to be fixed by three disinterested persons, to be selected in the manner usual in cases of arbitration.

6th: This agreement shall be binding upon and enforcible by and against the respective successors, heirs, executors, administrators or assigns of the parties hereto.

IN WITNESS WHEREOF the LESSOR has caused this instrument to be executed, and the LESSEES have hereunto set their hands and seals the day and year first above written.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
Boris Pregel, President

ATTEST:

/s/ Alexander Pregel, Sec'y
LESSOR

/s/ Horace E. Ekker (Seal)
Horace E. Ekker

/s/ Cornelius Ekker (Seal)
Cornelius Ekker

/s/ Darys Ekker (Seal)
Darys Ekker

/s/ Riter Ekker (Seal)
Riter Ekker

LESSEES

EXHIBIT B

MINING LEASE

This Indenture made this fifteenth day of October, one thousand nine hundred and forty-eight (October 15, 1948) between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and J.H. McELROY, hereinafter termed the LESSEE, party of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEE to be kept and performed, has granted, demised, and let, and by these presents does grant, demise and let unto the said LESSEE all the following described mining property known as the Del Monte Group of Claims, situated in the Henry Mountain region, and more particularly approximately two miles northwest of Mount Ellsworth and six miles south of the old Star Ranch, County of Garfield, State of Utah, to-wit:

The following mining claims held by location:

Name of Claim	Recorded in Book	Page
Bell	8	454
Bell No. 1	8	454
Bell No. 2	8	454
Bell No. 3	8	455
Bell No. 4	8	455
Bell No. 5	8	455
Bell No. 6	8	455
Del Monte No. 1	10	44
Del Monte No. 2	10	44
Del Monte No. 3	10	45
Del Monte No. 4	10	45
Del Monte No. 5	10	46
Del Monte No. 6	10	46

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEE shall have no right to extend his workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or terminated through the violation of any covenant or agreement hereafter against the said LESSEE RESERVED.

However, if during the last three months of the term of this lease, namely, from the sixteenth day of January, 1951, to the fifteenth day of April, 1951, the LESSEE is employing at least two men continuously on development work or production work at the property, and if no other covenant or agreement hereinafter set forth is violated, this lease shall be extended for a further term of three (3) years, expiring at noon the 15th day of April, 1954, unless sooner forfeited as determined through the violation of any covenant or agreement hereafter against the said LESSEE reserved.

FIRST: In consideration of said lease, the LESSEE does hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine--fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a workable mine, all work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises beforethe first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims hereinbefore referred to.

3rd: To notify the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEE.

4th: To file in the office of the County Recorder for Garfield County, on or before the first day of June in each year that this agreement is in efect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LEESSEE to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEE, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining property for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual, or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.
(3) Before LESSEE enters into a contract with a prospective sublessee, LESSEE to notify, in writing, the LESSOR of his intention, setting forth the specific portion of the property to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times:

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.
(b) To take average samples from any ores awaiting shipment.
(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanics's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the 15th day of each calendar month all indebtedness and liabilities incurred by the lessee, or any person or persons under or in privity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises; and if any lien be filed, or if any part of the pay roll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, at its election, declare a forfeiture of this lease as hereinafter provided; and from time to time to keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to the LESSEE, agents, employees or representatives of the LESSEE in or upon the property of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEE agrees to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEE agrees that if compensation insurance is not taken out by LESSEE as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of said insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEE.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEE may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to-wit:

1st: That the LESSOR reserves the property and right of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEE shall pay ten per cent (10%) royalty on the net returns of all ores shipped from said property. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the property to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEE after royalty and cost of compensation insurance to LESSOR have been deducted by the buyer and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y. The LESSEE is to instruct the buyer to send by mail, to the LESSOR, a copy of all settlement sheets.

4th: The LESSEE does hereby covenant and agree that in case he fails to keep, fulfill or perform any agreement or covenant, expressed or implied, by him to be performed hereunder no matter what the same may be, then and in that event the term of this lease shall, at the option of the

LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEE agrees to surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEE, which it shall be possible to remove without injury to the premises); and all dumps, ores and other mineral

DMEA-2543

S. Y. GUTHRIE & ASSOCIATES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

MAY 26 1952
ZSPOO

45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado
May 16, 1952

Defense Minerals Administration
U.S. Department of the Interior
Washington 25, D.C.

Gentlemen:

We are pleased to submit request on the part of Plateau Mines, Inc., 45 U.S. Bank Bldg., Grand Junction, Colorado, for government aid in defense exploration projects on properties in the Henry Mountains Mining District, Garfield County, Utah, covered by claim maps attached to our application.

The properties included under this application have been operated since March of 1951 by S.Y. Guthrie & Associates, a partnership consisting of Thomas J. Bate, Adam K. Grafe and S.Y. Guthrie. These properties, including all of the assets of the partnership, have been assigned to Plateau Mines, Inc., under which this application is made. The stockholders of Plateau Mines, Inc. are the same as the participating partners in S.Y. Guthrie & Associates.

In connection with the Henry Mountains properties, the application is accompanied with lease and operating agreements, as called for.

We sincerely trust this application will receive favorable consideration and that we may have the opportunity of forwarding the progress of the production and exploration on these properties at the earliest possible date.

Very truly yours,

S.Y. GUTHRIE & ASSOCIATES

By S.Y. Guthrie
S.Y. Guthrie

SYG/ar

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2543
Metal or Mineral
Date Received 5-21-52
Amount $
Participation (Government %)

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)
S.Y. Guthrie

May 16, 1952
(Date)

President
(Title)

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—64067-2

MP-103

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

1. (a) GIVES DESCRIPTION OF THE REAL PROPERTY THAT WILL BE IN ANY WAY INVOLVED IN THE EXPLORATION PROJECT, INCLUDING ANY EXISTING MINE OR OPERATING PROPERTY.

The properties upon which the proposed exploration project is to be done, consists of certain claims as shown on accompanying maps with proposed drill locations, et.

The camp facilities consist of suitable accommodations, including sleeping quarters, cook shack, food and provisions, storage, mining supplies storage, and other required facilities for approximately thirty miners and workers. The properties are operative at the present time and have been continuously operated by the present operator in excess of fourteen months.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - office buulding
1 - cook shack (fully equipped) total 30 men
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

(b) Refer to leases attached.

(c) Refer to (b)

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. (a) WHAT METALS OR MINERALS DO YOU EXPECT TO FIND ?

The past production of these properties has yielded carnotite ore containing Uranium, Vanadium and Radium. The present mining is being done for the recovery of Uranium and Vanadium, and it is the aim of the operation to produce, through underground exploration, additional ore bodies containing these two minerals.

(b) FURNISH STATEMENT OF THE GEOLOGIC FEATURES OF YOUR PROPERTY, GIVING TYPE OF ORE DEPOSIT AND REASONS FOR EXPECTING TO FIND COMMERCIAL ORE BODIES. ILLUSTRATE WITH MAPS OR SKETCHES. IF YOU HAVE A GEOLOGIC OR ENGINEERING REPORT, OR ASSAY MAPS SHOWING WIDTH AND GRADE, PLEASE SEND THEM WITH APPLICATION, STATING WHETHER OR NOT YOU WISH TO HAVE THEM RETURNED.

Refer to RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt, April 5, 1951, Divison of Raw Materials, Exploration Branch, attached to original of this application; only copy available.

Do not want returned.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. (a) DESCRIBE FULLY THE PROPOSED WORK AND GIVE THE TOTAL COST OF THE PROJECT.

1,500 lin. ft. adit @ $18.00 per ft.	$27,000.00
1,000 lin. ft. drift @ $15.00 per ft.	15,000.00
6,000 lin. ft. diamond core drilling	30,000.00
27,000 lin. ft. wagon drilling	27,000.00
Total for all claim groups under this application	$99,000.00

(b) STATE THE TIME REQUIRED TO START THE PROJECT AND TO COMPLETE IT.

Work can be started 10 days after approval of contract and completed within 300 working days.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. SUBMIT A MAP OR SKETCH OF THE PROPERTY INVOLVED SHOWING A PLAN (AND CROSS SECTION, IF NEEDED) OF THE PRESENT MINE WORKINGS AND THE LOCATION OF THE PROPOSED EXPLORATION WORK AS RELATED TO GEOLOGIC FEATURES, SUCH AS CONTACTS, VEINS, ORE BEARING BEDS, ETC.

Refer to claim map and locations, as attached.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. FURNISH AN ITEMIZED LIST OF EXISTING FACILITIES, BUILDINGS, INSTALLATIONS, AND FIXTURES WITH A STATEMENT OF THE COST OF ANY NECESSARY REHABILITATION OR REPAIRS TO PUT INTO USEFUL AND OPERABLE CONDITION.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - cook shack (fully equipped) total 30 men
1 - office building
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

No rehabilitation or repairs required.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. FURNISH A DETAILED LIST OF ADDITIONAL FACILITIES, BUILDINGS, AND FIXTURES TO BE PURCHASED, INSTALLED, OR ERECTED BY YOU, WITH THE ESTIMATED COST OF EACH ITEM.

None required.

MP-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. FURNISH A DETAILED LIST OF OPERATING EQUIPMENT, SEPARATED INTO ITEMS TO BE -

(a) Rented

(b) Purchased

(c) Furnished by you

WITH THE RENTAL, PURCHASE PRICE, OR DEPRECIATION OF EACH ITEM, AS THE CASE MAY BE, TO BE CHARGED AS A COST OF THE PROJECT.

All to be on contract unless otherwise noted.

MP-103

Plateau Mines, Inc.
85 U.S. Bank Bldg.
P.O. Box 846
Grand Junction, Colorado

8. FURNISH AN ITEMIZED SCHEDULE OF LABOR, BY NUMBERS AND CLASSES (MINERS, MUCKERS, ETC.) AND OF SUPERVISORS BY NUMBERS AND POSITIONS, WITH THE MAXIMUM WAGES OR SALARIES TO BE PAID TO EACH.

Engineer Geologist in charge of exploration - $500. per month.

Assistant Engineer Geologist - $300. per month

General Superintendent - $400. per month

All other labor, both skilled and common, to be furnished under contract.

MP-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

9. FURNISH A DETAILED LIST WITH ESTIMATED COST OF EACH ITEM FOR MATERIALS, SUPPLIES, ENGINEERING, ASSAYING, ACCOUNTING, POWER, WATER, UTILITIES, AND ANY OTHER ITEMS NOT PROVIDED FOR ABOVE.

All items under 9 would become contractual costs, assumed by contractor, except accounting and transportation required which would aggregate $450.00 monthly.

MP-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

10. (a) HOW MUCH ARE YOU PREPARED TO INVEST IN THE PROPOSED PROJECT ?

Necessary capital to insure participation in program on part of applicant.

(b) IS THIS AMOUNT SUFFICIENT TO PAY YOUR PART OF THE COST OF THE PROJECT, IN ACCORDANCE WITH THE REGULATIONS ON GOVERNMENT PARTICIPATION (Sec. 9 of MO-5)

Yes.

MP-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

11. STATE ANY CONDITIONS OR CIRCUMSTANCES REGARDING THE PROPERTY NOT SUFFICIENTLY BROUGHT OUT BY THE FOREGOING QUESTIONS.

Applicant has not attempted to set forth any costs pertaining to incline exploration, due to the fact that exploration of this type would be needed only after core drilling or wagon drilling had indicated possible ore reserves. The applicant supposes that this matter could be brought to the attention of the proper parties as the time arises, and that necessary consideration would be given to same.

HENRY MOUNTAINS UNORGANIZED MINING DISTRICT

Congress-Navajo, Sec. 36 - Eagle, Daisy June, Minnie Pearl, Butler Wash and Taylor Ridge

Wagon drill	Max. 40 ft.	20,000 ft.	$ 20,000.00

Black Mountain

Wagon drill.	500' centers 9 holes shown Max. 70'	2,000'	2,000.00

Grovers

Core drill.	500' centers holes shown 17 Max. 300'	6,000'	30,000.00

Del Monte

Wagon drill.	Max. 40 ft. holes shown 24	5,000'	5,000.00

TOTAL ESTIMATED COST FOR DRILLING ..... $ 57,000.00

33,000

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-D543

Date received 5-21-52

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [X] Owner.
   - [X] Lessee.
   - [X] Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
S.Y. Guthrie	President D	none	325,000	.334	none	none	none
Thomas J. Bate	Vice-Pres.D	none	725,000	.333	none	none	none
Adam K. Grafe	Sec-Treas.D	none	350,000	.333	none	none	none
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	1,000 shares	$ none	$ none	none	none
Preferred stock	$ none	$ none	$ none	none	none

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	SEE				
2. Quantity of product processed (specify unit of measure and type of process)		PRODUCTION			
3. Quantity and grade of product sold or shipped (specify units of measure)		SCHEDULE			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. **Present production will be maintained.**

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and

Refer to 7. (b)

MF-100

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

1. MATERIALS PRODUCED:

(a) WHAT ARE THE CHIEF MINE, MILL, OR SMELTER PRODUCTS?

The chief mine products are Uranium and Vanadium.

(b) WHAT ARE THE BY-PRODUCTS, IF ANY ?

There are no by-products of importance.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. NAME AND TYPE OF MINE, MILL, SMELTER, REFINERY, PITS, QUARRY, DRILLING OPERATION. INCLUDE OLD NAMES OF PROPERTY, IF ANY. SHOW EXTENT OF WORKINGS.

Hanksville Mine.

The extent of the operations has been surface exposures, using open pits and cuts in the production of ore. Hundreds of surface exposures exist on the claims, and production has been realized from the areas of the exposures.

There are no shafts or tunnels of any consequence, but the presence of the ore at a point near the surface leads to a strong possibility of bedded ore underneath, substantiating underground exploration.

(a) LINEAR FEET OF SHAFTS - No consequence.

(b) LINEAR FEET OF DRIFTS AND CROSSCUTS - Very limited.

(c) LINEAR FEET OF TUNNELS OR ADITS - Very limited.

(d) LINEAR FEET OF OTHER MINE OPENINGS - None.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. FOR EACH OPERATION LISTED ABOVE SUPPLY THE FOLLOWING:
DISTANCE AND DIRECTION FROM NEAREST TOWN AND SHIPPING POINT.

(a) Properties are situated approximately 90 miles from Green River, Utah, where rail and main highway facilities exist. Ore produced from the properties during the last year has been transported to Thompsons, Utah, a distance of 116 miles from claims.

(b) MINING DISTRICT.

Henry Mountains Unorganized Mining District, Garfield County, Utah.

(c) TOWNSHIP, SECTION, RANGE.

Twp. 31, 32, 33 South
Range 11 & 12 East Salt Lake Meridian
7 - Del Monte claims on unsurveyed ground
20 - Grover claims on unsurveyed ground

(d) COUNTY, STATE

Garfield County, Utah.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. (a) State whether or not property is now in operation, and if in operation, by whom operated.

Properties are in operation at present time. S.Y. Guthrie and Associates are operators.

(b) S.Y. Guthrie & Associates are operating as owner, lessee and contractor. Some claims are under ownership to operator; others are under lease; others are under operating contracts, as described under 1. (b) of MF-103.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. NUMBER OF YEARS IN PRODUCTION.

The present operator has produced from these properties continuously for fourteen months. Previous operations have accounted for small high grade production over past fifteen years.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. EXPERIENCE OF OPERATORS:

DESCRIBE THE MINING AND GENERAL BUSINESS EXPERIENCE OF THE APPLICANT -

(a) The applicant is a new corporation, as explained in the attached letter.

(b) THE PERSON OR PERSONS WHO MANAGE THE PROJECT.

The partnership of S.Y. Guthrie & Associates consists of three partners, namely, Adam K. Grafe, Thomas J. Bate and S.Y. Guthrie.

A.K. Grafe has been associated with the mining industry for the past 25 years. He is president of McGinnis & Grafe, Inc., miners and producers of coal properties in the State of Oklahoma and Utah. The company also is actively engaged in heavy construction work, consisting of dirt work, highways, railroads, and underground construction and utilities.

Thomas J. Bate is partner is Thomas J. Bate & Sons, Contractors, Denver, Houston and Dallas, Texas. Their construction work consists of heavy dirt work, aqueducts, filtration and treating plants, general construction and underground utilities.

S.Y. Guthrie is partner and principal stockholder in companies operating in general construction and mechanical contracting, including process piping, refrigeration, air conditioning and general mechanical work.

A.E. Hill, in charge of office in Grand Junction has been associated with the mining industry in Minnesota for 18 years; employed in Construction Division Army Corps of Engineers, and in general construction business for the past 15 years.

A.J. Watson is engineer for the operators and in direct supervisory position with reference to field development and production.

Mr. Watson has been actively engaged in, and associated with the mining industry in the Colorado Plateau area for a period of thirty years. Field production under Mr. Watson's supervision lays with field operating crews.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. HISTORY:

(a) GIVE STATEMENT, AS COMPLETE AS POSSIBLE, OF PREVIOUS EXPLORATION, DEVELOPMENT, OPERATION, AND PRODUCTION OF PROPERTY, WITH REASONS FOR SUSPENSION OF OPERATION.

Properties now in operation.

(b) STATE BRIEFLY THE KNOWN HISTORY AND PRODUCTION OF ADJOINING AND NEIGHBORING PROPERTIES.

Refer to U.S. Atomic Energy Commission Bulletin RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt
April 5, 1951,
Division of Raw Materials,
Exploration Branch
Technical Information Service
Oak Ridge, Tenn.

(c) FURNISH ANY AVAILABLE (PRIVATE) REPORTS THAT MAY APPLY TO THIS APPLICATION, INCLUDING RESULTS OF MINE EXAMINATIONS, RECOMMENDED EXPLORATION AND DEVELOPMENT, AND METALLURGICAL INVESTIGATIONS.

Refer to (b).

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

90-116 miles - State Highway

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Sufficient water at main camp.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Superintendent - 3 miners, 6 muckers, tractor driver

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

All present facilities available in good condition. Equipment to remain on production

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)

May 16, 1952
(Date)

S.Y. Guthrie
President
(Title)

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—63792-1

DMEA-2543

S. Y. GUTHRIE & ASSOCIATES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado
May 16, 1952

Defense Minerals Administration
U.S. Department of the Interior
Washington 25, D.C.

Gentlemen:

We are pleased to submit request on the part of Plateau Mines, Inc., 45 U.S. Bank Bldg., Grand Junction, Colorado, for government aid in defense exploration projects on properties in the Henry Mountains Mining District, Garfield County, Utah, covered by claim maps attached to our application.

The properties included under this application have been operated since March of 1951 by S.Y. Guthrie & Associates, a partnership consisting of Thomas J. Bate, Adam K. Grafe and S.Y. Guthrie. These properties, including all of the assets of the partnership, have been assigned to Plateau Mines, Inc., under which this application is made. The stockholders of Plateau Mines, Inc. are the same as the participating partners in S.Y. Guthrie & Associates.

In connection with the Henry Mountains properties, the application is accompanied with lease and operating agreements, as called for.

We sincerely trust this application will receive favorable consideration and that we may have the opportunity of forwarding the progress of the production and exploration on these properties at the earliest possible date.

Very truly yours,

S.Y. GUTHRIE & ASSOCIATES

By S.Y. Guthrie
S.Y. Guthrie

SYG/ar

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2543
Metal or Mineral
Date Received 5-21-52
Amount $
Participation (Government %)

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 21 1952

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)
S.Y. Guthrie

May 16, 1952
(Date)

President
(Title)

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—64067-2

WP-103

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

1. (a) GIVES DESCRIPTION OF THE REAL PROPERTY THAT WILL BE IN ANY WAY INVOLVED IN THE EXPLORATION PROJECT, INCLUDING ANY EXISTING MINE OR OPERATING PROPERTY.

The properties upon which the proposed exploration project is to be done, consists of certain claims as shown on accompanying maps with proposed drill locations, et.

The camp facilities consist of suitable accommodations, including sleeping quarters, cook shack, food and provisions, storage, mining supplies storage, and other required facilities for approximately thirty miners and workers. The properties are operative at the present time and have been continuously operated by the present operator in excess of fourteen months.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - office building
1 - cook shack (fully equipped) total 30 men
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

(b) Refer to leases attached.

(c) Refer to (b)

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. (a) WHAT METALS OR MINERALS DO YOU EXPECT TO FIND ?

The past production of these properties has yielded carnotite ore containing Uranium, Vanadium and Radium. The present mining is being done for the recovery of Uranium and Vanadium, and it is the aim of the operation to produce, through underground exploration, additional ore bodies containing these two minerals.

(b) FURNISH STATEMENT OF THE GEOLOGIC FEATURES OF YOUR PROPERTY, GIVING TYPE OF ORE DEPOSIT AND REASONS FOR EXPECTING TO FIND COMMERCIAL ORE BODIES. ILLUSTRATE WITH MAPS OR SKETCHES. IF YOU HAVE A GEOLOGIC OR ENGINEERING REPORT, OR ASSAY MAPS SHOWING WIDTH AND GRADE, PLEASE SEND THEM WITH APPLICATION, STATING WHETHER OR NOT YOU WISH TO HAVE THEM RETURNED.

Refer to RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt, April 5, 1951, Divison of Raw Materials, Exploration Branch, attached to original of this application; only copy available.

Do not want returned.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. (a) DESCRIBE FULLY THE PROPOSED WORK AND GIVE THE TOTAL COST OF THE PROJECT.

1,500 lin. ft. adit @ $18.00 per ft.	$27,000.00
1,000 lin. ft. drift @ $15.00 per ft.	15,000.00
6,000 lin. ft. diamond core drilling	30,000.00
27,000 lin. ft. wagon drilling	27,000.00
Total for all claim groups under this application	$99,000.00

(b) STATE THE TIME REQUIRED TO START THE PROJECT AND TO COMPLETE IT.

Work can be started 10 days after approval of contract and completed within 300 working days.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. SUBMIT A MAP OR SKETCH OF THE PROPERTY INVOLVED SHOWING A PLAN (AND CROSS SECTION, IF NEEDED) OF THE PRESENT MINE WORKINGS AND THE LOCATION OF THE PROPOSED EXPLORATION WORK AS RELATED TO GEOLOGIC FEATURES, SUCH AS CONTACTS, VEINS, ORE BEARING BEDS, ETC.

Refer to claim map and locations, as attached.

Mf-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. FURNISH AN ITEMIZED LIST OF EXISTING FACILITIES, BUULDINGS, INSTALLATIONS, AND FIXTURES WITH A STATEMENT OF THE COST OF ANY NECESSARY REHABILITATION OR REPAIRS TO PUT INTO USEFUL AND OPERABLE CONDITION.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - cook shack (fully equipped) total 30 men
1 - office building
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

No rehabilitation or repairs required.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. FURNISH A DETAILED LIST OF ADDITIONAL FACILITIES, BUILDINGS, AND FIXTURES TO BE PURCHASED, INSTALLED, OR ERECTED BY YOU, WITH THE ESTIMATED COST OF EACH ITEM.

None required.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. FURNISH A DETAILED LIST OF OPERATING EQUIPMENT, SEPARATED INTO ITEMS TO BE -

(a) Rented

(b) Purchased

(c) Furnished by you

WITH THE RENTAL, PURCHASE PRICE, OR DEPRECIATION OF EACH ITEM, AS THE CASE MAY BE, TO BE CHARGED AS A COST OF THE PROJECT.

All to be on contract unless otherwise noted.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

8. FURNISH AN ITEMIZED SCHEDULE OF LABOR, BY NUMBERS AND CLASSES (MINERS, MUCKERS, ETC.) AND OF SUPERVISORS BY NUMBERS AND POSITIONS, WITH THE MAXIMUM WAGES OR SALARIES TO BE PAID TO EACH.

Engineer Geologist in charge of exploration - $500. per month.

Assistant Engineer Geologist - $300. per month

General Superintendent - $400. per month

All other labor, both skilled and common, to be furnished under contract.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

9. FURNISH A DETAILED LIST WITH ESTIMATED COST OF EACH ITEM FOR MATERIALS, SUPPLIES, ENGINEERING, ASSAYING, ACCOUNTING, POWER, WATER, UTILITIES, AND ANY OTHER ITEMS NOT PROVIDED FOR ABOVE.

All items under 9 would become contractual costs, assumed by contractor, except accounting and transportation required which would aggregate $450.00 monthly.

MF-103

Plateau Mines, Inc.
[illegible]5 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

10. (a) HOW MUCH ARE YOU PREPARED TO INVEST IN THE PROPOSED PROJECT ?

Necessary capital to insure participation in program on part of applicant.

(b) IS THIS AMOUNT SUFFICIENT TO PAY YOUR PART OF THE COST OF THE PROJECT, IN ACCORDANCE WITH THE REGULATIONS ON GOVERNMENT PARTICIPATION (Sec. 9 of MO-5)

Yes.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

11. STATE ANY CONDITIONS OR CIRCUMSTANCES REGARDING THE PROPERTY NOT SUFFICIENTLY BROUGHT OUT BY THE FOREGOING QUESTIONS.

Applicant has not attempted to set forth any costs pertaining to incline exploration, due to the fact that exploration of this type would be needed only after core drilling or wagon drilling had indicated possible ore reserves. The applicant supposes that this matter could be brought to the attention of the proper parties as the time arises, and that necessary consideration would be given to same.

HENRY MOUNTAINS UNORGANIZED MINING DISTRICT

Congress-Navajo, Sec. 36 - Eagle, Daisy June, Minnie Pearl, Butler Wash and Taylor Ridge

Wagon drill	Max. 40 ft.	500 holes	20,000 ft.	$ 20,000.00

Black Mountain

Wagon drill.	500' centers Max. 70'	av 55' 40 holes	2,000'	2,000.00

Grovers

Core drill.	500' centers Max. 300'	av 200' 30 holes	6,000'	30,000.00

Del Monte

Wagon drill.	Max. 40 ft.	125 holes	5,000'	5,000.00

TOTAL ESTIMATED COST FOR DRILLING ..... $ 57,000.00

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2543

Date received 5-21-52

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CAN NOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

MAY 21 1952

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☒ Lessee.
   - ☒ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
S.Y. Guthrie	President D	none	325,000	.334	none	none	none
Thomas J. Bate	Vice-Pres.D	none	725,000	.333	none	none	none
Adam K. Grafe	Sec-Treas.D	none	350,000	.333	none	none	none
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	1,000 shares	$ none	$ none	none	none
Preferred stock	$ none	$ none	$ none	none	none

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	S E E				
2. Quantity of product processed (specify unit of measure and type of process)		PRODUCTION			
3. Quantity and grade of product sold or shipped (specify units of measure)		SCHEDULE			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Present production will be maintained.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and reserves. Refer to 7. (b)

MP-100

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

1. MATERIALS PRODUCED:

(a) WHAT ARE THE CHIEF MINE, MILL, OR SMELTER PRODUCTS?

The chief mine products are Uranium and Vanadium.

(b) WHAT ARE THE BY-PRODUCTS, IF ANY ?

There are no by-products of importance.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. NAME AND TYPE OF MINE, MILL, SMELTER, REFINERY, PITS, QUARRY, DRILLING OPERATION. INCLUDE OLD NAMES OF PROPERTY, IF ANY. SHOW EXTENT OF WORKINGS.

Hanksville Mine.

The extent of the operations has been surface exposures, using open pits and cuts in the production of ore. Hundreds of surface exposures exist on the claims, and production has been realized from the areas of the exposures.

There are no shafts or tunnels of any consequence, but the presence of the ore at a point near the surface leads to a strong possibility of bedded ore underneath, substantiating underground exploration.

(a) LINEAR FEET OF SHAFTS - No consequence.

(b) LINEAR FEET OF DRIFTS AND CROSSCUTS - Very limited.

(c) LINEAR FEET OF TUNNELS OR ADITS - Very limited.

(d) LINEAR FEET OF OTHER MINE OPENINGS - None.

[illegible] underground exploration. [illegible]

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. FOR EACH OPERATION LISTED ABOVE SUPPLY THE FOLLOWING:
DISTANCE AND DIRECTION FROM NEAREST TOWN AND SHIPPING POINT.

(a) Properties are situated approximately 90 miles from Green River, Utah, where rail and main highway facilities exist. Ore produced from the properties during the last year has been transported to Thompsons, Utah, a distance of 116 miles from claims.

(b) MINING DISTRICT.

Henry Mountains Unorganized Mining District, Garfield County, Utah.

(c) TOWNSHIP, SECTION, RANGE.

Twp. 31, 32, 33 South
Range 11 & 12 East Salt Lake Meridian
7 - Del Monte claims on unsurveyed ground
20 - Grover claims on unsurveyed ground

(d) COUNTY, STATE

Garfield County, Utah.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. (a) State whether or not property is now in operation, and if in operation, by whom operated.

Properties are in operation at present time. S.Y. Guthrie and Associates are operators.

(b) S.Y. Guthrie & Associates are operating as owner, lessee and contractor. Some claims are under ownership to operator; others are under lease; others are under operating contracts, as described under 1. (b) of MF-103.

DF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. NUMBER OF YEARS IN PRODUCTION.

The present operator has produced from these properties continuously for fourteen months. Previous operations have accounted for small high grade production over past fifteen years.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. EXPERIENCE OF OPERATORS:

DESCRIBE THE MINING AND GENERAL BUSINESS EXPERIENCE OF THE APPLICANT -

(a) The applicant is a new corporation, as explained in the attached letter.

(b) THE PERSON OR PERSONS WHO MANAGE THE PROJECT.

The partnership of S.Y. Guthrie & Associates consists of three partners, namely, Adam K. Grafe, Thomas J. Bate and S.Y. Guthrie.

A.K. Grafe has been associated with the mining industry for the past 25 years. He is president of McGinnis & Grafe, Inc., miners and producers of coal properties in the State of Oklahoma and Utah. The company also is actively engaged in heavy construction work, consisting of dirt work, highways, railroads, and underground construction and utilities.

Thomas J. Bate is partner is Thomas J. Bate & Sons, Contractors, Denver, Houston and Dallas, Texas. Their construction work consists of heavy dirt work, aqueducts, filtration and treating plants, general construction and underground utilities.

S.Y. Guthrie is partner and principal stockholder in companies operating in general construction and mechanical contracting, including process piping, refrigeration, air conditioning and general mechanical work.

A.E. Hill, in charge of office in Grand Junction has been associated with the mining industry in Minnesota for 18 years; employed in Construction Division Army Corps of Engineers, and in general construction business for the past 15 years.

A.J. Watson is engineer for the operators and in direct supervisory position with reference to field development and production.

Mr. Watson has been actively engaged in, and associated with the mining industry in the Colorado Plateau area for a period of thirty years. Field production under Mr. Watson's supervision lays with field operating crews.

SF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. HISTORY:

(a) GIVE STATEMENT, AS COMPLETE AS POSSIBLE, OF PREVIOUS EXPLORATION, DEVELOPMENT, OPERATION, AND PRODUCTION OF PROPERTY, WITH REASONS FOR SUSPENSION OF OPERATION.

* Properties now in operation.

(b) STATE BRIEFLY THE KNOWN HISTORY AND PRODUCTION OF ADJOINING AND NEIGHBORING PROPERTIES.

Refer to U.S. Atomic Energy Commission Bulletin RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt
April 5, 1951,
Division of Raw Materials,
Exploration Branch
Technical Information Service
Oak Ridge, Tenn.

(c) FURNISH ANY AVAILABLE (PRIVATE) REPORTS THAT MAY APPLY TO THIS APPLICATION, INCLUDING RESULTS OF MINE EXAMINATIONS, RECOMMENDED EXPLORATION AND DEVELOPMENT, AND METALLURGICAL INVESTIGATIONS.

Refer to (b).

* No answer

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.), and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

90-116 miles - State Highway

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Sufficient water at main camp.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Superintendent - 3 miners, 6 muckers, tractor driver

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

All present facilities available in good condition. Equipment to remain on property.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)

S.Y. Guthrie

May 16, 1952
(Date)

President
(Title)

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—63792-1

LEASE AGREEMENT

2/15/51

THIS INDENTURE OF LEASE is made and entered into on the 15th day of February, 1951, by and between S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, as Lessee (and hereinafter so called) and L.R. WEEKS, of Salt Lake City, Utah, as Lessor (and hereinafter so called)

WITNESSETH:

That the Lessor, for and in consideration of the payment of $865.00 and the royalties hereinafter provided to be paid by the Lessee to the Lessor, and in further consideration of the covenants and conditions herein required to be kept and performed by said Lessee, hereby leases unto said Lessee upon the terms and conditions and subject to the reservations below set forth the following unpatented mining claims, situate in Garfield County, State of Utah, to-wit:

Group No. 1

Slate Creek No. 1; Slate Creek No. 2; Grover No. 1; Grover No. 2; Grover No. 3; Grover No. 4; Grover No. 5; Grover No. 6; Grover No. 7; Grover No. 8; Grover No. 9; Grover No. 10; Grover No. 11; Grover No. 12; Grover No. 13; Grover No. 14; Grover No. 15; Grover No. 16; Grover No. 17; Grover No. 18; Grover No. 19; Grover No. 20; Black Mountain No. 1; Black Mountain No. 2; Black Mountain No. 3; Black Mountain No. 4; South Fork No. 1; South Fork No. 2;

Group No. 2

Ring No. 1; Ring No. 2; Ring No. 3; Ring No. 4; Ring No. 5; Rocky Mountain No. 1; Rocky Mountain No. 2; Rocky Mountain No. 3; Rocky Mountain No. 4; Rocky Mountain No. 5; Rocky Mountain No. 6; Rocky Mountain No. 7; Rocky Mountain No. 8; Rocky Mountain No. 9; Rocky Mountain No. 10; Rocky Mountain No. 11; Rocky Mountain No. 12; Rocky Mountain No. 13; Rocky Mountain No. 14; Rocky Mountain No. 15; Rocky Mountain No. 16; Rocky Mountain No. 17; Rocky Mountain No. 18; Rocky Mountain No. 19; Rocky Mountain No. 20;

Group No. 3

Lucky Strike No. 1; Lucky Strike No. 2; Lucky Strike No. 3; Lucky Strike No. 4; Lucky Strike No. 5; Lucky Strike No. 6; Lucky Strike No. 7; Lucky Strike No. 8; Lucky Strike No. 8; Lucky Strike No. 9; Lucky Strike No. 10;

to have and to hold the said mining claims, with the right and privilege of mining and selling all minerals of every kind and nature, including, but not limited to, uranium and vanadium, for a term of five (5) years, commencing on the15th day of February, 1951, and continuing to the 15th day of February, 1956, with the option to renew on the basis set forth herein.

In consideration of the premises, it is covenanted and agreed by and between the Lessor and the Lessee as follows:

1. Lessor warrants that he is the owner of and has the right to lease the mining claims described above under Group No. 1. As to the mining claims described under Group No. 2 above, it is agreed that the consent of Harold Ekker to the making of this lease agreement must yet be had and obtained, and Lessor warrants and agrees that he can obtain such consent, and that he will forthwith do so. As to the mining claims described under Group No. 3 above, it is agreed that the consent of the Realty Company of Denver, a corporation, Kentucky-Utah Mining Company, a corporation, and Harold Ekker, must yet be had and obtained, and Lessor agrees to use his best efforts to forthwith obtain such consent. While the royalties hereinafter provided are expressed as payable to or for the account of Lessor, it is understood that these are the total royalties to be paid by Lessee, and that to the extent that Lessor owns less than the entire undivided mineral interests, or mining claims, above described (or is unable to obtain, without additional charge or expense to Lessee, the consent of the owner thereof to this lease), his royalties, both percentage and minimum per year, will be reduced proportionately. Lessor further warrants that each of said mining claims was originally located in accordance with law; that thereafter all assessment work required by law to keep said mining claims valid has been done; that the necessary notices have been or will be recorded; that the necessary monuments and the markings of said claims on the ground, and all things necessary to effect a valid location, have been done or will be done by Lessor; and that, with the exception above mentioned, said claims are free of lien and encumbrance, he has good right, title, and authority to lease the same, and that he will forever warrant and defend the same unto Lessee against every person whomsoever claiming the same or any part thereof. After the date of this lease the obligation for doing and filing notice of the annual assessment work shall be assumed and performed by Lessee so long as Lessee holds possession of these claims hereunder, and all monuments marking the location of said claims on the ground will be preserved by Lessee at Lessee's expense.

2. Immediately upon the execution of this Lease Lessee shall have the sole and exclusive right of possession and the sole and exclusive right to mine and operate and erect improvements and to produce and sell ores and minerals of every kind and nature whatsoever from the above described properties, subject only to the paramount title of the United States pertaining to unpatented mining claims, to the orders and regulations of the Atomic Energy Commission which apply to uranium and vanadium ores, and to the obtaining of the necessary consents to the making of this lease mentioned in paragraph 1 hereof.

3. Lessee agrees:

(a) To forthwith enter upon the mining claims and to take possession thereof and thereafter throughout the life of this lease and until the same is cancelled or terminated, as hereinafter provided, to maintain possession continuously and, so far as is reasonably possible, to prevent trespass thereon or the theft of ore or other infringement of the rights of Lessor in and to said mining claims.

(b) To occupy all cross or parallel lodes, spurs, or mineral deposits of any kind which may be discovered by Lessee or any person under Lessee in any manner by working within or from the demised ground, as the property of Lessor with the privilege to Lessee of working the same as a part of said demised premises.

(c) That all work done on said mining claims, or any of them, will be done in a minerlike fashion and in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as a workable mine.

(d) To pay to Lessor as a royalty 16 per cent of the net mill and smelter returns from the sale or disposal of all ores mined or produced from any of the premises hereby leased to Lessee; said payments shall continue throughout the life of this lease. Net mill or smelter returns as used herein shall mean the net amount paid for the ores by the milling or smelting company, or any other person, firm or entity to whom such ore may be sold or delivered, after deducting the treatment, concentration, transportation, sampling and assaying charges only. It is agreed that in the event Lessee receives payments from the federal government or any of its agencies, or from any other source, for exploration and development work, or for hauling ore, or for production of ore on the property, or any subsidy or other receipt of any kind or nature whatsoever (except the receipts from the sale or disposal of the ore), Lessee may keep all of said payments and they shall not be considered a part of the net mill returns.

(e) That the 16 per cent royalty provided for above shall be accounted for and paid to First Security Bank of Utah, N.A., Exchange Place Branch, Salt Lake City, Utah, for the account of Lessor.

(f) To keep accurate accounts in accordance with some standard bookkeeping method, and that said accounts showing the operations on these leased premises shall be open to the inspection of Lessor, its accountants and attorneys at reasonable times, but not more frequently than once a month.

4. In the event Lessee enters into possession of the above described mining claims, or any of them, and is later sued for damages for trespass by other parties claiming a superior right of possession, then Lessee shall be held harmless by Lessor by reason thereof, including any amounts which Lessee is required to expend to defend such suit or to pay by way of damages as a result of said suit. If Lessor fails to reimburse Lessee for such damages and expenses, Lessee may, in addition to its other remedies, deduct all such damages and expenses from the 16 per cent royalty payments accruing in the future which it is herein agreed that Lessee will pay.

5. It is understood and agreed that Lessee hereunder shall procure and operate under its own official license from the Atomic Energy Commission, and will not ship ore or other products from the property until such license has been obtained.

6. If at the end of the term hereof Lessee shall have kept and performed all of the conditions and covenants contained herein and shall not have terminated the lease pursuant to the right of termination given herein, under paragraph 11 hereof, then Lessee shall have an unconditional option to renew its lease for consecutive periods of five years upon the same terms and conditions as are provided herein, but not to exceed a total of fifty (50) years after the expiration of this term. If title to any of the mining claims hereto is challenged and by reason of said challenge Lessee in its sole discretion elects to discontinue operations on said claim until the title is cleared, then the term of this lease on that particular mining claim shall automatically be extended for a period equal to the period of stoppage while the title to said claim is being cleared.

7. Lessee hereunder may produce and sell ores or concentrates from these leased claims at will, but in so doing shall not sell or otherwise dispose of ores and ore concentrates or stockpile ores at Lessee's own plant at prices that are less than the standard price obtained at United States government licensed purchasing plants or depots, or if that agency ceases to function, that ores will not be sold or stockpiled at prices below prevailing market prices. Lessee may notify Lessor periodically of the prices being obtained and the disposition being made of the ore or concentrates, and unless Lessor shall protest the amount being received therefor, or the method followed in disposing of or stockpiling the same, within 30 days from the date of said notice, Lessor shall be forever estopped and barred from asserting that Lessee has not properly sold or disposed of or stockpiled the ore or concentrates. Two copies of all settlement sheets will be given to Lessor.

8. Any notice provided for herein, or desired to be made, to Lessor shall be considered as given five (5) days after the same has been mailed to the following address, to-wit:

L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

Any notice provided for herein, or desired to be made hereunder, to Lessee shall be considered as given five (5) days after the same is mailed addressed as follows, to-wit:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dallas, Texas

9. The failure of Lessee to perform any of the conditions or covenants herein provided shall constitute grounds for cancellation. However, Lessor shall, before cancelling said lease, notify in writing Lessee of the claimed breach, and Lessee shall have 30 days thereafter within which to cure the same, and said lease cannot be cancelled by Lessor if within 30 days after receipt of said notice Lessee has cured the breach.

10. In the event of cancellation or termination of this lease in any way, and at any time, all improvements attached to the realty by Lessee shall remain on the leased premises. Only those items which cannot be removed from the property without injury or damage to the property shall be considered to be attached. Anything else may be removed, and Lessee shall have the privilege of entering upon said premises at any time for a 60-day period after termination or cancellation, to remove the same.

11. Lessee may at any time during the life of this lease give Lessor 30 days' written notice of its intention to abandon possession of said premises and to terminate this lease. Up to the date of the giving of said notice and for said 30 days thereafter, Lessee shall be obligated to protect the possession of these mining claims and perform all other covenants of this lease. If said notice is given later in a calendar year than May 1st, Lessee shall be obligated to complete the annual assessment work which is required to be filed before the following July 1st, but after said 30 days notice Lessee shall have no other or further obligation

hereunder, either in respect to the future, or in respect to past acts or omissions occurring prior to issuance by Lessee of its notice of intention to abandon (except as to such past acts or omissions as to which Lessor has complained in writing to Lessee prior to issuance by Lessee of its notice of intention to abandon).

12. Lessor agrees that if he becomes interested directly or indirectly in any other mining claims or mining properties, or mineral or oil leases and elects to offer the same for lease or sale, that he will offer said properties or leases to Lessee, and give Lessee the first opportunity to meet the best bona fide offer which he can obtain thereon. It is agreed by Lessor that Lessee shall have fifteen (15) days after said offer is presented to Lessee within which to elect to take the same.

13. The parties hereto mutually acknowledge that they have simultaneously herewith executed an Operating Agreement under the terms of which Lessee will operate, mine and develop certain mining claims which Lessor holds under a lease from Canadian Radium & Uranium Corporation, a New York corporation. It is not known on which claims the major work will be done. It is agreed, however, that from the operations on the Canadian Radium & Uranium Corporation properties, or on the properties described above, Lessee will pay during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February 15th) a minimum royalty of not less than $10,380.00, payable as follows: Each month Lessee shall pay the royalty to which Lessor is entitled under preceding paragraphs of this lease, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraph during such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year.

It is specifically agreed that the foregoing paragtaph shall be in force and effect only so long as Lessee holds and operates the claims above described. It is further agreed that if operations are abandoned on the Canadian Radium & Uranium Corporation claims, the obligation of this lessee to pay this minimum monthly royalty thereafter shall be reduced by the amount of one-third, and possession of these claims may thereafter be held upon the payment of a minimum monthly average royalty of $576.67 in the manner above provided. If these claims are abandoned and this lease is cancelled, the sole remaining obligation of Lessee shall be as is specified in its Operating Agreement relating to the Canadian claims. It is also mutually agreed that this lease and the operating agreement shall be considered to be independent and unrelated, except for this provision relating to a minimum payment to Lessor. This lease may be separately cancelled or terminate, or the operating agreement may be separately cancelled or terminate. If the operating agreement is cancelled or terminates, the minimum monthly average royalty provided for shall be reduced to $576.67, as provided above. If this lease is cancelled or terminates, the operating agreement shall remain as the sole obligation of these parties, just as though this agreement had never been made.

14. It is expressly agreed that the Lessee shall have the right to form corporation in which S.Y. Guthrie is a stockholder, and that this lease agreement may be assigned to said corporation. Lessor agrees that upon the assumption by said corporation of the obligations of Lessee hereunder, Lessee shall be thereby released and discharged from any further obligation accruing under this lease thereafter. The parties

above named as comprising Lessee may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This lease shall not be otherwise assignable without the consent of Lessor.

15. Lessee agrees that it will make available to Lessor one copy of all maps, engineering reports, geological reports, geodetic surveys or other similar documents or reports made by Lessee or on its behalf during the life of this lease.

16. Lessee agrees that Lessor may come on the property at reasonably frequent intervals to inspect the mining operations being conducted thereon.

17. This lease and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of Lessor and Lessee.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing lease the day and year fist above written.

/s/ L.R. WEEKS
L.R. WEEKS — Lessor

/s/ S.Y. GUTHRIE
S.Y. GUTHRIE

/s/ ADAM K. GRAFE
A.K. Grafe

/s/ THOMAS J. BATE
T.J. BATE

Lessee

STATE OF UTAH
: ss.
COUNTY OF UTAH

On the 21st day of February, 1951, personally speared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC
Residing at Salt Lake City, Utah

My commission expires: Apr. 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worsham
NOTARY PUBLIC
Dallas County, Texas

My commission expires: Jan. 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worhsam
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Dorothy Garrett
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

LEASE AND OPTION AGREEMENT

4/25/50

THIS LEASE AND OPTION AGREEMENT, made and entered into this 25th day of April, 1950, by and between CANADIAN RADIUM & URANIUM CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of New York, with its principal place of business at New York City, New York, and duly qualified to own and hold unpatented lode mining claims and transact business within the State of Utah, as Lessor and Optioner, hereinafter referred to as the Party of the First Part, and sometimes called Lessor, and L.R. WEEKS of Salt Lake City, Utah, hereinafter referred to as the Party of the Second Part, as Lessee and Optionee, and sometimes called the Lessee.

WITNESSETH

WHEREAS, the party of the first part now owns, holds and controls certain unpatented lode mining claims, hereinafter described, subject to the paramount title in the United States Government, and also subject to an outstanding lease executed by the party of the first part in favor of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, as lessees, and to an outstanding lease from the party of the first part to J.H. McElroy, copies of which leases are attached hereto, marked Exhibits "A" and "B" respectively, and by this reference made a part hereof; and

WHEREAS, the said party of the first part is desirous of leasing and selling certain mining claims hereinafter described, to the said party of the second part, and the said second party of the second part is desirous of leasing and purchasing such mining claims from the party of the first part, subject to paramount title in the United States Government and the outstanding leases in favor of the Ekkers and McElroy hereinabove referred to.

NOW, THEREFORE, in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the party of the second part to be kept and performed, the said party of the first part hereby grants, demises and lets to the party of the second part all right, title and interest now held or hereinafter to be acquired, subject to the paramount title in the United States Government and the outstanding lease in favor of the Ekkers, in and to the following described mines, mining claims and mining properties situate in the Henry Mountain Mining District (unorganized), Garfield County, Utah, to-wit:

Butler Wash Claim No. 1, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Taylor Ridge Claim No. 1, recorded December 3, 1943, in Book 9 (misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Minnie Pearl Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 592, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 593, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 3 and 4, recorded December 3, 1943, in book 9 (Misc) of Notices of Location, Page 594, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 5 and 6, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 595, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 7 and 8, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 596, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 9 and 10, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 597, of the Records of Garfield County, Utah.

Eagle Claim No. 1 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 29, of the Records of Garfield County, Utah.

Eagle Claims Nos. 2 and 3, recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 30, of the Records of Garfield County, Utah.

Eagle Claim No. 4 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 31, of the Records of Garfield County, Utah.

Congress Claims Nos. 1 and 2, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 601, of the Records of Garfield County, Utah.

Congress Claims Nos. 3 and 4, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 602, of the Records of Garfield County, Utah.

Congress Claims Nos. 5 and 6, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 603, of the Records of Garfield County, Utah.

Congress Claims Nos. 7 and 8, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 604, of the Records of Garfield County, Utah.

Congress Claims Nos. 9 and 10, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 605, of the Records of Garfield County, Utah.

Congress Claims Nos. 11 and 12, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 606, of the Records of Garfield County, Utah.

Congress Claims Nos. 13 and 14, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 607, of the Records of Garfield County, Utah.

Congress Claims Nos. 15 and 16, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 608, of the Records of Garfield County, Utah.

Congress Claims Nos. 17 and 18, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 609, of the Records of Garfield County, Utah.

Congress Claims Nos. 19 and 20, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 610, of the records of Garfield County, Utah.

Congress Claims Nos. 21 and 22, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 611, of the Records of Garfield County, Utah.

Congress Claims Nos. 23 and 24, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 612, of the Records of Garfield County, Utah.

Congress Claims Nos.25 and 26, recorded Dec. 27, 1943, in Book 10, (Misc) of Notices of Location, Page 1, of the Records of Garfield County, Utah.

Congress Claims Nos. 27 and 28, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 2, of the Records of Garfield County, Utah.

Congress Claims Nos. 29 and 30, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 3, of the Records of Garfield County, Utah.

Congress Claims Nos. 31 and 32, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 4, of the Records of Garfield County, Utah.

Congress Claims Nos. 33 and 34, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 5, of the Records of Garfield County, Utah.

Congress Claims Nos. 35 and 36, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 6, of the Records of Garfield County, Utah.

Congress Claims Nos. 37 and 38, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 7, of the Records of Garfield County, Utah.

Congress Claims Nos. 39 and 40, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 8, of the Records of Garfield County, Utah.

Congress Claims Nos. 41 and 42, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 9 of the Records of Garfield County, Utah.

Congress Claims Nos. 43 and 44, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 10, of the Records of Garfield County, Utah.

Congress Claims Nos. 45 and 46, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 11, of the records of Garfield County, Utah

Congress Claims Nos. 47 and 48, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 12, of the Records of Garfield County, Utah.

Congress Claims Nos. 49 and 50, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 13, of the Records of Garfield County, Utah.

Congress Claims Nos. 51 and 52, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 41, of the records of Garfield County, Utah.

Congress Claim No. 53, recorded May 31, 1944, in Book 10 (Misc) of Notices of Location, Page 54, of the Records of Garfield County, Utah.

Congress Mill Site, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 42, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 1 and 2, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page44, of the records of Garfield County, Utah.

Del Monte Claims Nos. 3 and 4, recorded April 24, 1944, in Book 10, (Misc) of Notices of Location, Page 45, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 5 and 6, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page 46, of the Records of Garfield County, Utah.

together with all the corresponding appurtenances, rights and franchises thereunto belonging or in any wise appertaining.

To have and to hold unto the said party of the second part, subject to the outstanding Ekkers lease, hereinabove referred to , for the term of six (6) years from date hereof, expiring at noon on the 25th day of April, 1956, unless sooner forfeited or determined through the violation of any covenants hereinafter against the party of the second part reserved.

In consideration of such demise, the said party of the second part covenants and agrees with the party of the first part as follows, to-wit:

1. To enter upon said mines, mining claims or premises and investigate the same, including the performance of engineering and geological work necessary to properly appraise and evaluate the possibilities of the development of ore, and the formulation of a development and mining program consistent with good mining practice under the conditions and circumstances existing at such mines, mining claims and mining properties.

2. To furnish to the party of the first part, from time to time, as compiled and prepared, copies of all maps, reports and other date resulting from the examination and investigation of such mines, mining claims and

mining properties.

3. To enter upon said mines, mining claims and mining properties, so soon as possession thereof can be obtained through the Ekkers as the holders of said outstanding lease, and work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as workable mining properties.

4. To work and mine said mining claims and mining properties steadily and continually from the date possession thereof is available for such purposes, and perform or cause to be performed in the exploration, development or operation of said mines, mining claims and mining properties, the miners shifts of 8 hours of work each as hereinafter set forth, unless prevented by strikes, inability to transport ore to markets through inclement weather or road conditions, or Acts of God over which the party of the second part has no control:

80 miners shifts of work per month for the first 6 months the party of the second part has possession of said mines, mining claims and mining properties for production of ore therefrom.

100 miners shifts of work per month during the succeeding 18 months.

150 miners shifts of work per month thereafter.

5. To timber underground whenever and wherever necessary, if good mining practice, under the circumstances then obtaining, should so indicate.

6. To allow the party of the first part and its agents, from time to time, to enter in and upon said mines, mining claims and mining property for purposes of inspection, sampling and general investigation.

7. To adequately equip said mines, mining claims and mining properties, so soon as possession is obtained for mining purposes, with necessary machinery and equipment, including necessary compressors, drilling machines and other equipment necessary to effectively develop and operate said mines, mining claims and mining properties so as to take out the greatest amount of ore possible with due regard to the preservation of same as workable mines.

8. To expend, in actual new development, not less than the development allowance of 50¢ per pound of U308 as allowed for such purpose by the Atomic Energy Commission in so long as such allowance is available, and thereafter expend such amounts as may be necessary to conform with good mining practice under the circumstances and conditions then obtaining.

9. To build and construct, as soon as possession has been obtained for mining purposes, such roads as may be necessary to properly explore, develop and operate said mines, mining claims and mining properties.

10. To perform, as soon as possession is obtained for mining purposes, all necessary assessment work on all of said mining claims and, within the time required by law, to file necessary affidavits of said assessments.

11. To survey, as soon as possession of said claims has been

obtained for mining purposes, all of said mining claims, check all discovery and other monuments, and where necessary, adjust lines, erect new monuments and otherwise keep all of said claims in good standing.

12. To occupy and hold all cross or parallel lodes, spurs or mineral deposits of any kind which may be discovered by the party of the second part, or any person under it, in any manner, by working within the demised ground, as the property of the party of the first part, with privilege to the party of the second part of working the same as part of said demised premises.

13. To take out, carry and maintain full industrial insurance with the Utah State Industrial Commission for any and all persons employed in or upon said premises by the party of the second part, and to conduct all operations so as to comply fully with the laws of the State of Utah relating to mining, safety regulations and in every other respect.

14. To post notices at at least 25 conspicuous places on the mining properties showing that the properties are being operated by the party of the second part and that all creditors must look to the said party of the second part for payment of any accounts incurred after operations commence by the party of the second part, and to hold harmless the party of the first part from any and all claims or demands arising or growing out of the exploration, development and operation of said properties by the party of the second part.

15. To comply with the Federal and State laws in regard to Social Security, Unemployment Compensation and Withholding Tax.

16. To install and maintain full and complete books of account covering all phases of development and operation of the mines, mining claims and mining properties, which said books shall be open to the inspection of the party of the first part at any and all reasonable times, and to furnish the party of the first part, after possession of the properties is obtained for mining purposes, a monthly report of all operations.

17. To pay all taxes in connection with ownership or operation of the premises, commencing with the year 1950, and for each year this agreement or any renewal thereof is in effect.

18. To promptly pay for all labor and supplies to be done for or furnished to Lessee, or any person or persons under or in privity with it, and to keep the said premises and every part thereof free and clear of any mechanic's, miners' or other liens or encumbrances.

19. To keep the premises in good order and repair and not to remove, without witten permission of the party of the first part, any property which now is or during the term of this agreement may become permanently affixed or attached to the premises so as to become a part of the freehold.

20. To allow no person not in privity with the parties hereto to take or hold possession of said premises, or any part thereof, under any pretext whatever, without written permission of the Lessor.

21. To protect and save harmless the party of the first part from and on account of any and all claims of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, J.H. McElroy or any one else arising out

of the party of the second part's tenancy, occupation or operation of the premises.

22. To pay quarterly to the party of the first part, as royalties, 10% of the net mill returns* received from the sale of ores extracted and which may be found in or upon the above described mines, mining claims and mining properties, and reduced, treated, sold and shipped.

The party of the second part agrees with and warrants and guarantees to the party of the first part that such royalties shall aggregate the following amounts annually:

At least $2,000. on or before one year from the date of this agreement, and will pay on account thereof the party of the first part $1,000. upon the execution of this Agreement.

At least an additional $4,000. on or before two years from the date hereof.

At least an additional $4,000. on or before three years from the date hereof.

At least an additional $5,000. on or before four years from the date hereof.

At least an additional $5,000 on or before five years from the date hereof.

At least an additional $5,000. on or before six years from the date hereof.

It is further understood and agreed between the parties hereto that in the event the royalties paid under the foregoing lease do not equal the minimum sum for the years set forth above, that the party of the second part shall remit and pay any difference to the party of the first part on or before the last quarter of the year in which such deficit occurs.

---

* Net mill returns are hereby defined as the amount received from the Atomic Energy Commission, or any of its authorized agents, under the schedule of settlements now in effect, or hereafter to be placed in effect by the Atomic Energy Commission, exclusive of any allowances for trucking or transportation charges to the mills, and exclusive of development allowances, but before the payment of any exploration, development, mining, supervisory or other costs, or, in the event markets become available for uranium-vanadium ores other than through the Atomic Energy Commission or its authorized agents, where prices are equal to or greater than those paid by the Atomic Energy Commission or its authorized agents, such net mill returns would be the amount received from any lawful purchaser of ores after the payment of trucking and all transportation charges to the place of purchase, milling or processing costs, if any, but before the payment of any exploration, development, mining, supervisory or other costs.

23. Upon violation of any covenant or covenants hereinabove reserved, this lease, at the option of the party of the first part, shall expire, and the party of the first part of its Agent, may thereupon, after 30 days due notice in writing to the party of the second part, addressed by registered mail to Salt Lake City, Utah, at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.C. Frawley, 522 Felt Building, Salt Lake City 1, Utah, and provided the deficiencies complained of have not been corrected within said period, enter upon said premises and dispossess all persons occupying the same, and the said party of the first part shall thereupon in case of cancellation, retain all considerations theretofore received by it as liquidated damages for non-performance.

In consideration of the true and faithful performance of the terms, covenants and conditions of the above lease by the party of the second part, the said party of the first part hereby grants unto the party of the second part an option exercisable at any time within six years from the date of this Agreement, unless this Agreement has been terminated earlier, to purchase the abovedescribed mines, mining claims and mining properties for the sum of $120,000. Such option to be exercised by sending notice by registered mail to the party of the first part at its principal place of business, presently 630 Fifth Avenue, New York 20, N.Y.

It is hereby understood and agreed between the parties hereto that all royalties on production paid under the terms of the foregoing lease shall apply and be credited upon the purchase price of this option, such application of credit to be applied on the payment next due, with any over-plus to be appliedon the next succeeding payment or payments. The entire sum of $120,000. however, to be paid on or before six years from the date of this Agreement.

It is further mutually understood and agreed between the parties hereto that the said party of the first part, upon the receipt of $20,000.00, under the terms of this instrument, and a notice of the exercise of this option, shall make and execute a good and sufficient mining deed covering all of the right, title and interest of the party of the first part, and all interest to be acquired by it in the future, in and to the above described mines, mining claims and mining properties, in favor of the party of the second part, such deed to be placed in escrow with some Bank or Trust Company or other mutually agreeable escrow holder, with instructions to deliver the same to the party of the second part or its assigns upon full payment of the purchase price of said mines, mining claims and mining property, as hereinabove set out. In the event that subsequent to the delivery of the mining deed as aforesaid, the party of the second part shall fail to complete the purchase, or that this agreement shall be cancelled or terminated before the purchase price is entirely paid, the party of the second part will cause the escrow agent to return to the party of the first part the aforesaid mining deed.

It is further understood and agreed between the parties hereto that in the event of cancellation of the lease and option by the party of the first part, for non-performance on the part of the party of the second part, or, in the event hhe party of the second part chooses to relinquish its rights under said lease and option, the said party of the second part shall have 90 days within which to remove all of its mining equipment and machinery, not affixed to the freehold, from said mines, mining claims

and mining properties, but no timber shall be removed from underground, nor shall any ore bins be torn down and removed from the properties.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part fails to carry out or fails to comply with the terms, covenants and conditions of the option hereinabove set forth, or in the event the said party of the second part fails to comply with the terms, covenants and conditions of this lease above set forth, the said party of the first part may, at its option, after giving thirty days due notice in writing outlining the defalcations of the party of the second part, which said notice shall be addressed to the party of the second part at Salt Lake City, Utah, (at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.G. Frawley, 522 Felt Building, Salt Lake City 1, Utah) cancel said option and lease provided the deficiencies complained of have not been remedied within the thirty-day period, and in case of such cancellation, all considerations theretofore paid to the party of the first part shall be retained by it as liquidated damages for non-performance on the part of the party of the second part.

It is further mutually agreed andunderstood between the parties hereto that the lease and option set forth in this instrument are inseparable and that no interest of any kind or character in this instrument held by the party of the second part can be transferred or assigned without the consent in writing of the party of the first part.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part is declared or adjudicated to be bankrupt, or his assets placed in receivership by courts of competent jurisdiction, and such assets remain unreleased for more than sixty days, all interest of the party of the second part in and to the lease and option agreement herein described, shall be terminated, and thereafter shall be void and of no effect.

Each and every agreement and covenant of the foregoing lease and option shall extend to the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the party of the first part by and through its proper officers in their respective behalfs duly authorized by resolutions of its Board of Directors, this 28th day of April, 1950.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
President

ATTEST:

/s/ Alexander Pregel
Sec'y.

PARTY OF THE FIRST PART

/s/ L.R. WEEKS
L.R. Weeks

PARTY OF THE SECOND PART

STATE OF NEW YORK
ss.
COUNTY OF NEW YORK

On this 28th day of April, 1950, before me, the undersigned authority, personally appeared Boris Pregel and Alexander Pregel, president and secretary, respectively, of Canadian Radium and Uranium Corporation, the corporation subscribing to the foregoing instrument as Party of the First Part, and acknowledged to me that such Corporation executed the same freely and voluntarily for the uses and purposes therein set forth, through them as officers in its behalf duly authorized by resolution of the Board of Directors.

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

/s/ DAVID SCHAPIRO
NOTARY PUBLIC

My commission expires March 30, 1952

STATE OF UTAH
ss.
COUNTY OF SALT LAKE

On this 25th day of April, 1950, personally appeared before me L.R. WEEKS, the signer of the foregoing instrument, who duly acknowledged to me that he executed the same.

/s/
Notary Public
Residing at Salt Lake City, Utah

My commission expires: June 8, 1951

Filed for record 35563

this 16th day of May A.D. 1950

Recorded this 16th day of

May A.D. 1950

In Book Misc. 11, Page 302 to 306

Garfield County Records

/s/ Mildred Devel
Garfield County Recorder

1:30 P.M.

Exhibit A & B

Mining Lease not recorded.

EXHIBIT A

4/15/1948

MINING LEASE

This Indenture Made this fifteenth day of April in the year of our Lord, one thousand nine hundred and forty-eight between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and Horace E. Ekker, Cornelius Ekker, Darys Ekker and Riter Ekker, hereinafter termed the LESSEES, parties of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEES to be kept and performed, has granted, demised and let, and by these presents does grant, demise and let unto the said LESSEES all the following described mining properties, situated on the east and southeast side of the Henry Mountains, and more particularly in the vicinity of Trachyte Ranch and Star Ranch, in the Trachyte Mining District, County of Garfield, State of Utah, to wit:

The following mining claims held by location:

Congress 1 to Congress 53 inclusive, totaling	53 claims
Congress Mill Site	1 claim
Minnie Pearl 1 to Minnie Pearl 5 inclusive, totaling	5 claims
Bell and Bell 1 to Bell 6, inclusive, totaling	7 claims
Slate Creek 1 to Slate Creek 3, inclusive, totaling	3 claims
Daisy June 1 to Daisy June 10, inclusive, totaling	10 claims
Eagle 1 to Eagle 4, inclusive, totaling	4 claims
Butler Wash	1 claim
Taylor Ridge	1 claim
Total number	85 claims

The above claims situated on the east and southeast side of the Henry Mountains.

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEES shall have no right to extend his or their workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, for the term of three (3) years from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or determined through the violation of any covenant or agreement hereafter against the said LESSEES reserved.

FIRST: In consideration of said lease, the Lessees do hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a workable mine, all

work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises before the first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims of the mining properties hereinbefore referred to.

3rd: To noty the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEES.

4th: To file in the office of the county recorder for Garfield County, on or before the first day of June in each year that this agreement is in effect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements' made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LESSEES to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEES, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining properties for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.

(3) Before LESSEES enter into a contract with a prospective sublessee, LESSEES to notify, in writing, the LESSOR of their intention, setting forth the specific portion of the properties to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times;

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.

(b) To take average samples from any ores awaiting shipment.

(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanic's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the15th day of each calendar month all indebtedness and liabilities incurred by the LESSEES, or any person or persons under or inprivity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises, and if any lien be filed, or if any part of the payroll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, atits election declare a forfeiture of this lease as hereinafter provided; and from time to time keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to any of the LESSEES, agents, employees or representatives of the LESSEES in or upon the properties of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEES agree to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEES agree that if compensation insurance is not taken out by LESSEES as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of such insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEES.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEES may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship all ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to -wit:

1st: That the LESSOR reserves the property and rights of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEES shall pay seven and one-half (7½%) royalty on the net returns of all ores shipped from said properties. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the properties to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEES after royalty and cost of compensation insurance to LESSOR have been deducted and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y.

4th: The LESSEES do hereby covenant and agree that in case they fail to keep, fulfill or perform any agreement or covenant, expressed or implied, by them to be performed hereunder no matter what the same may be, then and in that event the term of this lease, shall at the option of the LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEES agree to

surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEES, which it shall be possible to remove without injury to the premises; and all dumps, ores and other mineral detached or broken from said premises, but still remaining therein, with all drifts, shafts, tunnels and other workings thoroughly clear of loose rock and rubbish, and drained, and the mine ready for immediate continued working (accidents not arising from negligence alone excusing) without demand or further notice; and should the LESSEES fail to do so, they may forthwith be evicted from said premises, forcibly or otherwise, with or without process of law.

5th: Upon the termination of this lease upon any of the conditions herein provided for, the said LESSOR shall have the option of purchasing all buildings erected upon said premises, together with all engines, machinery, hoisting apparatus and other appliances belonging to said LESSEES, and placed thereon and used in connection with said premises at a value to be fixed by three disinterested persons, to be selected in the manner usual in cases of arbitration.

6th: This agreement shall be binding upon and enforcible by and against the respective successors, heirs, executors, administrators or assigns of the parties hereto.

IN WITNESS WHEREOF the LESSOR has caused this instrument to be executed, and the LESSEES have hereunto set their hands and seals the day and year first above written.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
Boris Pregel, President

ATTEST:

/s/ Alexander Pregel, Sec'y
LESSOR

/s/ Horace E. Ekker (Seal)
Horace E. Ekker

/s/ Cornelius Ekker (Seal)
Cornelius Ekker

/s/ Darys Ekker (Seal)
Darys Ekker

/s/ Riter Ekker (Seal)
Riter Ekker

LESSEES

EXHIBIT B

MINING LEASE

10/15/48

This Indenture made this fifteenth day of October, one thousand nine hundred and forty-eight (October 15, 1948) between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and J.H. McELROY, hereinafter termed the LESSEE, party of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEE to be kept and performed, has granted, demised, and let, and by these presents does grant, demise and let unto the said LESSEE all the following described mining property known as the Del Monte Group of Claims, situated in the Henry Mountain region, and more particularly approximately two miles northwest of Mount Ellsworth and six miles south of the old Star Ranch, County of Garfield, State of Utah, to-wit:

The following mining claims held by location:

Name of Claim	Recorded in Book	Page
Bell	8	454
Bell No. 1	8	454
Bell No. 2	8	454
Bell No. 3	8	455
Bell No. 4	8	455
Bell No. 5	8	455
Bell No. 6	8	455
Del Monte No. 1	10	44
Del Monte No. 2	10	44
Del Monte No. 3	10	45
Del Monte No. 4	10	45
Del Monte No. 5	10	46
Del Monte No. 6	10	46

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEE shall have no right to extend his workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or terminated through the violation of any covenant or agreement hereafter against the said LESSEE RESERVED.

However, if during the last three months of the term of this lease, namely, from the sixteenth day of January, 1951, to the fifteenth day of April, 1951, the LESSEE is employing at least two men continuously on development work or production work at the property, and if no other covenant or agreement hereinafter set forth is violated, this lease shall be extended for a further term of three (3) years, expiring at noon the 15th day of April, 1954, unless sooner forfeited as determined through the violation of any covenant or agreement hereafter against the said LESSEE reserved.

FIRST: In consideration of said lease, the LESSEE does hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine--fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a workable mine, all work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises beforethe first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims hereinbefore referred to.

3rd: To notify the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEE.

4th: To file in the office of the County Recorder for Garfield County, on or before the first day of June in each year that this agreement is in efect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LEESSEE to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEE, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining property for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual, or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.
(3) Before LESSEE enters into a contract with a prospective sublessee, LESSEE to notify, in writing, the LESSOR of his intention, setting forth the specific portion of the property to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times:

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.
(b) To take average samples from any ores awaiting shipment.
(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanics's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the 15th day of each calendar month all indebtedness and liabilities incurred by the lessee, or any person or persons under or in privity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises; and if any lien be filed, or if any part of the pay roll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, at its election, declare a forfeiture of this lease as hereinafter provided; and from time to time to keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to the LESSEE, agents, employees or representatives of the LESSEE in or upon the property of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEE agrees to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEE agrees that if compensation insurance is not taken out by LESSEE as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of said insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEE.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEE may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to-wit:

1st: That the LESSOR reserves the property and right of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEE shall pay ten per cent (10%) royalty on the net returns of all ores shipped from said property. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the property to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEE after royalty and cost of compensation insurance to LESSOR have been deducted by the buyer and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y. The LESSEE is to instruct the buyer to send by mail, to the LESSOR, a copy of all settlement sheets.

4th: The LESSEE does hereby covenant and agree that in case he fails to keep, fulfill or perform any agreement or covenant, expressed or implied, by him to be performed hereunder no matter what the same may be, then and in that event the term of this lease shall, at the option of the

LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEE agrees to surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEE, which it shall be possible to remove without injury to the premises); and all dumps, ores and other mineral

OPERATING AGREEMENT

2/15/51

THIS OPERATING AGREEMENT made this 15th day of February, 1951, by and between L.R. WEEKS of Salt Lake City, Utah, and S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, sometimes hereinafter referred to as "Contractor":

WITNESSETH:

WHEREAS, L.R. Weeks is the Lessee of certain mining claims in the Henry Mountain Mining District (unorganized) in Garfield County, State of Utah, under a certain LEASE AND OPTION AGREEMENT, dated the 25th day of April, 1950, by and between Canadian Radium & Uranium Corporation, a New York corporation (sometimes hereinafter called "Canadian"), as holder and lessor, and L.R. Weeks as lessee, a copy of said lease being attached hereto as Exhibit "A" and by this reference incorporated herein as though set out in full; and

WHEREAS, it is the desire the L.R. Weeks to engage S.Y. Guthrie, A.K. Grafe, and T.J. Bate, jointly and severally, as Contractor, in his behalf to enter upon said mining claims and operate the same in strict compliance with the Lease (Exhibit "A") and on the terms and conditions set forth herein; and

WHEREAS, Contractor is willing to undertake the work required by the Lease (Exhibit "A") on behalf of and for L.R. Weeks on the terms and conditions and with the rights of cancellation as are hereinafter set forth;

NOW, THEREFORE, in consideration of thepayment of $1.00 by each party to the other, in hand paid, receipt of which is hereby acknowledged, and in consideration of the mutual promises and covenants contained herein, it is mutually agreed as follows:

1. L.R. Weeks hereby engages Contractor to enter upon the mining leases described in the Canadian Lease (Exhibit "A") and to do all work required of L.R. Weeks under the terms of that lease. Contractor is hereby given the right, and agrees, to enter immediately upon all or some of said claims for exploratory and development work and to perform such work; and after April 15, 1951, when exclusive possession is to be obtained by L.R. Weeks, pursuant to the terms of said Canadian Lease (Exhibit "A"), Contractor is to conduct such operations on said lands as will fully perform and comply with all of the terms and conditions of that lease and of this Operating Agreement. However, Contractor is hereby giventhe option, at any time before April 15, 1951, to abandon said operations and if said option is exercised, it shall have no other or further obligation of any kind to L.R. Weeks under this agreement. If said option is not exercised prior to April 15, 1951, then this agreement cannot be cancelled by Contractor (except as provided below) until after April 15, 1952. At any time after April 15, 1952, Contractor may cancel this agreement without any further obligation of any kind on Contractor to L.R. Weeks under this Operating Agreement except to account for any moneys that may be due by Contractor to L.R. Weeks in regard to operations carried on before said date of cancellation. It is also agreed that during the year between April 15, 1951, and April 15, 1952, the Contractor may, if it so elects, cancel this agreement by giving L.R. Weeks 30 days' notice in writing of its election so to do, and by paying him liquidated damages in the amount

of $865.00 per month for each month, or part thereof, between the effective date of such notice and April 15, 1952, and L.R. Weeks shall accept the same in full settlement of all damages or claims for damages arising out of an abandonment of work or failure to perform Contractor's obligations hereunder after said 30 days' notice, Contractor being thereby relieved of all obligation under this contract.

2. Any notice provided for herein may be given by mail or telegram and shall be considered as received by the addressee three days after the date the letter has been mailed or one day after the wire has been sent. Notice to L.R. Weeks shall be sufficient if it is addressed to him as follows:

Mr. L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

or to such other address as he shall in writing designate in lieu thereof. Notice to Contractor shall be sufficient if it is addressed as follows:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dalas, Texas

or to such other address as Contractor shall in writing designate in lieu thereof.

3. It is mutually agreed that the only work to be done by Contractor is that which the lease agreement between Canadian and L.R. Weeks (Exhibit "A") requires L.R. Weeks to perform, and no other or different work is required of Contractor, unless commercial ore is encountered. In such event Contractor agrees, and is hereby permitted, to mine the same. It is also agreed that if any provision hereof shall be in conflict with that lease (Exhibit "A"), then that lease (Exhibit "A") shall control.

4. L.R. Weeks hereby agrees to pay the Contractor all of its direct costs plus an agreed fee equal to 10 per cent of said direct costs for this work. Direct costs are defined to include all labor (including supervisory personnel on job), material, supplies, payroll taxes, insurance, reasonable equipment rentals, legal and accounting expenses, and, without limitation by reason of the foregoing enumeration, all other costs incurred in developing and operating these properties (excluding only general overhead incurred at Contractor's home office). Reimbursement for costs expended in each month (plus the fee thereon) shall be made by the tenth of the following month. Contractor shall have the option, which can be exercised at any time prior to April 15, 1951, to take, in lieu of said cost plus 10 per cent payment, 84 per cent of the net mill and smelter returns for ores produced and sold from said mining claims, remitting to L.R. Weeks 16 per cent of such net returns (out of which 16 per cent shall be paid the royalties due Canadian). Net mill and smelter returns as used herein shall mean the gross amount received from the sale or disposal of ores produced after deducting only treatment, concentration, transportation, sampling and assaying charges. If this option payment is exercised, Contractor, in addition to said 84 per cent of the net mill and smelter returns, shall retain as its sole and separate property all allowances made by the United States of America or any of its agencies, including allowances for development, trucking or transportation to the mills, subsidies, or any other payment of any kind or nature paid by the United States of America

or any of its agencies, or from any other source, for the production of ores or to stimulate the production of, or exploration for, ores. Once said election has been made by Contractor, as to whether it will take the cost plus 10 per cent payment or in lieu thereof the net mill returns, etc., said election shall not thereafter be changed and the selected basis of payment shall thereafter control throughout the life of this Operating Agreement.

5. It is acknowledged that the lease (Exhibit "A") between Canadian and L.R. Weeks has a provision granting to the said L.R. Weeks an option to purchase the mining claims leased thereunder. Said provision also provides that royalty payments made to Canadian shall apply on the purchase price. L.R. Weeks hereby authorizes and directs Contractor, to make, from, L.R. Weeks' funds received from the operation of these mining claims and the sale of ores therefrom, the necessary payments of royalty to Canadian, and L.R. Weeks agrees that when, and if, payments to Canadian are sufficient to permit the option to purchase to be exercised, he will exercise said option and will, at Contractor's election, agree to a termination of this Operating Agreement and will lease said claims to Contractor under a lease agreement which will in general provide as follows:

(a) The terms of said lease shallbe for five years, with the option on the part of Contractor (who will then become lessee) to renew for consecutive periods of five years for a total of fifty (50) years from the date of the expiration of the first five-year term.

(b) In consideration of the making of said lease, Contractor (lessee) will pay to L.R. Weeks a royalty of 6 per cent of the net mill and smelter returns (as defined above and with the same exclusions) for ores mined and sold from the leased property.

(c) There will be no requirement for minimum work on the claims, except sufficient to do the annual assessment work. However, Contractor will obligate itself to pay, either from operations on the properties hereinabove described, or from operations on the claims covered by that certain lease of even date herewith, executed between the parties to this instrument, a minimum royalty during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February15th) of not less than $10,380.00, payable as follows: Each month Contractor (as lessee) shall pay the royalty to which L.R. Weeks is entitled under paragraph (b) above, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraphduring such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year. This obligation shall continue in force and effect only so long as Contractor (lessee) holds and operates the claims above described. If Contractor is, without fault on its part, unable to work a portion of these claims, due to conditions of, or defects in, titles, which presently exist, the obligation above set forth to pay a minimum royalty in the manner stated, shall be abated or reduced in the proportion that the claims abandoned or lost bear to the total claims which Contractor agrees to work hereunder.

(d) The lessee is to be permitted to cancel that lease after the first six months, upon thirty (30) days' written notice.

(e) The other provisions shall be in accordance with a standard mining agreement.

It is further agreed that if L.R. Weeks does not exercise his option to purchase,he will, insofar as it is legally possible, endeavor to arrange matters so that Contractor can do so.

It is mutually acknowledged that L.R. weeks is obligated by the lease agreement (Exhibit "A") to pay royalties to Canadian for ores produced and disposed of from these mining claims. L.R. Weeks agrees that these royalties tp Canadian are to be charged to his account, but Contractor shall make these payments as they become due direct to Canadian in accordance with the terms of that lease (Exhibit "A"). Contractor shall not be personally liable for said payments, but shall make the same from funds of L.R. Weeks which Contractor has on hand. If such funds are not available, Contractor shall promptly notify L.R. Weeks so that L.R. Weeks may pay such royalties as may be due. When Contractor makes any required royalty payments to Canadian, it will send to L.R. Weeks a carbon copy of its letter of transmittal and shall show thereon the check number and the amount thereof so that L.R. Weeks can be assured that such payments to Canadian have been made.

7. Contractor agrees, if it elects to exercise its option to take a percentage of the mill returns rather than to be paid on a cost plus basis, that it will send to L.R. Weeks two copies of all settlement sheets for ores sold and disposed of.

8. L.R. Weeks agrees that he will, at his own expense, preserve the possession of the mining claims, so that Contractor can perform the work called for herein, and will warrant and defend, unto Contractor, the rights herein conferred upon Contractor, against every person whomsoever.

9. The status of Contractor under this agreement shall be that of an independent contractor and not that of an employee or agent. In this regard Contractor shall not hold itself out as the employee or agent of L.R. Weeks; shall carry all employees in its own name; shall assume liability for seeing that all payroll taxes are paid, and that workmen's compensation insurance is procured for all operations; andshall save L.R. Weeks harmless from third party claims for damage arising out of the tortious acts or omissions of Contractor.

10. Copies of all engineering, geological, geodetic surveys and maps and all like reports or documents made by Contractor will be furnished without cost to L.R. Weeks.

11. If Contractor elects to be paid by taking 34 per cent of the net mill returns and the allowances by the government as specified above, Contractor shall be responsible for selling or disposing of the ores mined or produced and shall account to L.R. Weeks for his percentage thereof each thirty (30) days. If ores are stockpiled by Contractor (when a market is available), it will have the same assayed and pay L.R. Weeks his share thereof within thrity (30) days from the date said ores are placed in the stockpile. Ores shall not be sold or stockpiled for less than the Atomic Energy Commission's quoted prices, or if that agency or its successors ceases to exist, at prices lower than the prevailing market prices for such ores. Notice may be given by Contractor to L.R. Weeks of the sale or other disposition or stockpiling of ore and the prices being obtained therefor and unless L.R. Weeks objects within thirty (30) days thereafter, he shall be conclusively presumed to have agreed thereto and shall be forever

thereafter estopped and barred from asserting any claim that the ores have not been properly sold or disposed of or stockpiled.

12. It is expressly agreed that Contractor shall have the right to form a corporation in which S.Y. Guthrie is a stockholder, and that this Operating Agreement may be assigned to said corporation. L.R. Weeks agrees that upon the assumption by said corporation of the obligations of Contractor hereunder, Contractor shall be thereby released and discharged from any further obligation accruing under this Operating Agreement thereafter. The parties above named as comprising Contractor may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This Operating Agreement shall not be otherwise assignable without the consent of L.R. Weeks. Unless terminated under one of the foregoing paragraphs, this Operating Agreement shall run for the life of said Canadian lease.

13. This Operating Agreement and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of L R. Weeks and Contractor.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing Operation Agreement the day and year first above written.

/s/ L.R. Weeks
L.R. WEEKS Owner

/s/ S.Y. Guthrie
S.Y. GUTHRIE

/s/ A.K. Grafe
A.K. GRAFE

/s/ T.J. Bate
T.J. BATE
CONTRACTOR

STATE OF UTAH
ss.
COUNTY OF SALT LAKE

On the 21st day of February, 1951, personally appeared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC, Residing at Salt Lake City, Utah

My commission expires: April 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument,whoduly acknowleged to me under oath that he executed the same.

/s/ DOROTHY GARRETT
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

NOTE: These documents are filed by mailing to proper recording office.

September 24, 1951

FILE COPY
SURNAME:

Schmidt
Ellis
Selfridge
Hedges

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

APR 9 1953

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

J.C. 4/9/53

Re: Docket No. MEA-243 (Uranium)
Plateau Mines, Inc.
Henry Mountains District
Garfield County, Utah

Dear Mr. King:

Supplementing our letter of March 30 concerning the status of the subject application, enclosed copy of letter dated March 26 by E.Y. Guthrie, President of the applicant company, states that the said application is withdrawn.

It would appear that the docket of this application should now be closed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosure

Schmidt/eef 4/3/53
cc to: Adm. Tending File
Operating Committee
Docket
Messrs: McKeiser, Room 3641
Spindler, Room 3206
Ellis
Schmidt

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

3/31/53 gla
dmea 2543

45 U. S. BANK BLDG.

TELEPHONE 450

PLATEAU MINES, INC.

P. O. BOX 446

GRAND JUNCTION, COLORADO

March 26, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 30 1953

Mr. F. Sommer Schmidt
Defense Minerals Exploration Administration
Department of the Interior Building - Room 4640
Washington, D.C.

Dear Mr. Schmidt:

We are in receipt of a letter from our office in Washington transmitted by Mrs. Kilbourne, with reference to your recent conversation of March 24 concerning our application for an exploration loan.

Mrs. Kilbourne advised the writer to secure a copy of PUBLIC LAND ORDER #760, dated October 22, 1951, showing withdrawal by the United States Government.

I am enclosing map showing lands withdrawn for the A.E.C. under this order, which has reference to an area known as the Henry Mountains Unorganized Mining District, Garfield County, Utah. These lands were withdrawn, as noted, and have not been returned to Public Domain. However, we asked you in previous correspondence to eliminate from our original application any consideration with reference to these properties and revised our application to include only the Gateway, Colorado area. You will probably recall that we were assigned Docket No. 2542 covering the Gateway, Colorado properties, and Docket No. 2543 covering the Henry Mountains area. We have done our own exploration work in connection with the Henry Mountains properties and have not expected any consideration on this application, since same was withdrawn.

We have however revised our application covering Docket No. 2542 in connection with the area not covered by oil and gas lease, having submitted copies of the revised application to Mr. W.H. King, in Denver, as well as copies for your office in Washington. We asked that this portion of the Gateway application, Docket No. 2542, be given consideration and that the balance of ~~the~~ claims which presumably were under oil and gas lease in the Gateway area be given consideration after the oil and gas land matter had been settled.

In connection with the withdrawal of the Gateway area lands, you will note on the attached order showing withdrawal, under reference No. 565 which applies to the Gateway area, that

.....

these lands were restored to location of mining claims on July 2, 1949; since our locations were made subsequent to that time, the original withdrawal does not affect them.

Also in Mrs. Kilbourne's letter, she states that titles were confused and that it was necessary to straighten out the leases. The writer does not know just what the meaning of this explanation on the part of Mrs. Kilbourne refers to; however the writer would appreciate a letter from your office direct to us if there is further information which we can supply.

Thanking you for your past consideration and trusting that this information will be of service, we are,

Very truly yours,

PLATEAU MINES, INC.

S.Y. Guthrie

S.Y. Guthrie, President

SYG/ar
encs.

700

FILE COPY
SURNAME:

Schmidt
Ellis

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

April 3, 1953

Memorandum

To: Mails & Files

From: Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

Subject: Docket No. DMA-2543 (Uranium)
Plateau Mines, Inc.
Henry Mountains District
Garfield County, Utah

On the basis of the Applicant-company's letter dated March 26, 1953, we have closed this docket on our records by withdrawal.

Ernest Wm. Ellis

GLAult/gla
cc to: Adm.Reading File
Docket
Mr. Ellis

J.C. 4/9/53

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

April 3, 1953

Memorandum

To: Mails & Files

From: Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

Subject: Docket No. DMEA-2543 (Uranium)
Plateau Mines, Inc.
Henry Mountains District
Garfield County, Utah

On the basis of the Applicant-company's letter dated March 26, 1953, we have closed this docket on our records by withdrawal.

Ernest Wm. Ellis

Ernest Wm. Ellis

PUBLIC LAND ORDERS WITHDRAWING PUBLIC LANDS AND RESERVE MINERALS IN PATENTED LANDS FOR THE USE OF THE UNITED STATES ATOMIC ENERGY COMMISSION IN COLORADO, UTAH AND WYOMING

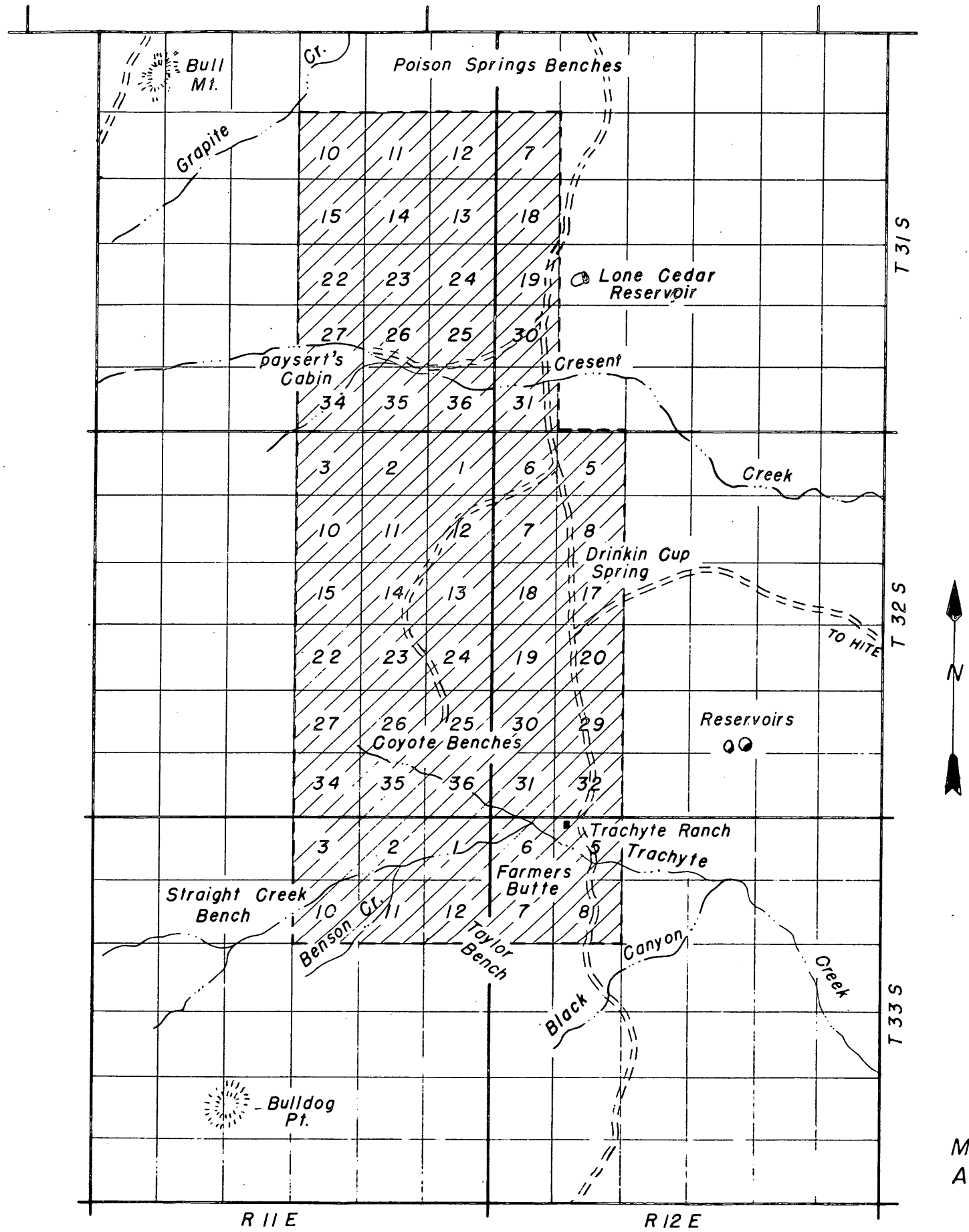
NUMBER	DATE	FILED WITH FEDERAL REGISTER	FEDERAL REGISTER CITATION AND DATE
459	March 25, 1948	March 30, 1948	13 F.R. 1763 March 31, 1948
494	July 7, 1948	July 9, 1948	13 F.R. 3870 July 10, 1948
565	Feb. 25, 1949	March 4, 1949	14 F.R. 1006 March 5, 1949
698	Feb 12, 1951	Feb. 15, 1951	16 F.R. 1638 Feb. 16, 1951
745	Aug. 16, 1951	Aug. 22, 1951	16 F.R 8465 Aug. 23, 1951
760	Oct 22, 1951	Oct. 26, 1951	16 F.R. 10948 Oct. 27, 1951
779	Dec 29, 1951	Jan. 4, 1952	17 F.R. 160 Jan. 5, 1952
811	March 7, 1952	March 11, 1952	17 F R. 2132 March 12, 1952
825	May 13, 1952	May 19, 1952	17 F.R. 4576 May 20, 1952

P.L.O #565 did not restore the lands to location of mining claims until 10:00 a.m , July 2, 1949 (GATEWAY AREA.)

P L O #698 did not restore the lands to location of mining claims until 10:00 a m , June 18, 1951.

P.L O #825 did not restore the lands to location of mining claims until 10:00 a m , Sept 16, 1952

Nov 19, 1952



WITHDRAWN AREAS

T 31 S R 11 E
Secs. 10 to 15 incl. 22 to 27 incl.
Secs. 34, 35 and 36

T 32 S R 11 E
(unsurveyed) Secs. 1, 2 and 3
Secs. 10 to 15 incl. 22 to 27 incl.
Secs. 34, 35 and 36

T 33 S R 11 E
Secs. 1, 2, 3 and 10, 11, 12

T 31 S R 12 E
Secs. 7, 18, 19, 30, and 31

T 32 S R 12 E
Secs. 5 to 8 incl. 17 to 20 incl.
Secs. 29 to 32 incl.

T 33 S R 12 E
Secs. 5 to 8 incl.

LEGEND

Areas Withdrawn

Map Showing Lands Withdrawn For
A.E.C. Under Public Land Order 760
Garfield County, Utah

Scale: 1" = 2 miles
DRAWN BY M.L.S. 1-24-1952

FILE COPY
SURNAME:

Schmidt
Gilbert
Selfridge
Thompson
Whitehead

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

Mr. [illegible] King
Executive Officer
DMA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

MAR 30 1953

Re: Docket No. DMA-2543 (Uranium)
Plateau Mines, Inc.
Henry Mountain District
Garfield County, Utah

J.C. 3/30/53

Dear Mr. King:

This acknowledges receipt of your letter concerning the subject application dated March 20, 1953. We thank you for again bringing Public Land Order 760 to our attention.

A letter dated July 3, 1952, was received from Mr. [illegible] Guthrie, President of the Plateau Mines, Inc., from which the following is quoted:

> "Confirming our recent conversation in Washington with reference to our DMA application, Docket No. 2543, Henry Mountains mining claims, Garfield County, Utah, we will please request at this time that this application be held in abeyance until the outcome of the drilling program now being done by the A.E.C. is known. The A.E.C. has approximately five more weeks of drilling to complete what, we understand, is their program at the present time. The drilling which was done by Plateau Mines, Inc. has been completed and the drill logs as well as locations of drill holes have been turned over to the A.E.C."

The titles to the mining claims in the application were extremely involved and both Mr. Guthrie and Mr. Kilbourne were personally informed about this in Washington. It is impossible to process the application until such time as the claims are actually controlled by the Plateau Mines, Inc.

We have been informed by the secretary in the company's Washington office that Mr. Guthrie is probably at work in this matter, and that his attention is now being called to the necessity of clarifying the situation if this application is to receive any further attention from DMEA.

You will be informed of any progress that is made as soon as we get an answer from Mr. Guthrie to our present inquiry.

Sincerely yours,

George C. Selfridge (216)

Chairman, Operating Committee

APPROVED:

J. H. Hedges (216)

Member, Bureau of Mines

A. R. Kinkel, Jr. (216)

Member, Geological Survey

F Schmidt/eef
3/26/53

cc to: Adm. Reading File
Operating Committee
Docket
Messrs: HDKeiser, Rm 3641
APButler, Rm. 3206 GSA
Ellis
Schmidt
DMEA FT Region IV

Plateau Mines 3/24 DMEA 2543 3/24/53

(Washington) (Applic's Engineer)

Foned the office, Sterling 3-4836 talked to secretary. Kilborn out of tonw until first week in April.

I pointed out that letter of last July asked us to hold application in abeyance because a 5 week drilling campaign of A.E.C. was to be done. this is long time ago Nothing since then. I recd word from field that ~~Kmdx~~ Public Land Order 760 dated Oct 22, 1951 had withdrawn the land these claims were on, so it was a matter of whether these claims had been located prior.

Next, that I had pointed out to Kilborn the utter hopelessness of trying to make sense out of their mining claim deals and that the applicant did not own a single mining claim, due to no deed to Plateau Mines.

It was promised that this would be straightened out. Have heard nothing and we want to know what to do.

~~She said Guthrie had been getting some information from their lwyer here in Washington named Kenneth Miller concerning this matter nd thought that he was working on it and that she would ask him to inform us as to what is the status, and have us informed. There is therefore no reason to write him unless we do not hear from him in reply to the secretary, letter which will be written to him today.~~

3/24/53 glu

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

224 New Customhouse
Denver 2, Colorado

March 20, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2543 (Uranium), Plateau Mines, Inc., Wayne County, Utah

On September 18, 1952, we advised you that the applicant's claims are located in an area withdrawn by Public Land Order 760 and suggested that you contact the applicant and request him to furnish proof of valid title.

Will you please advise the present status of this docket.

W. H. King

W. H. King

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

224 New Customhouse
Denver 2, Colorado

March 20, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2543 (Uranium), Plateau Mines, Inc., Wayne County, Utah

On September 18, 1952, we advised you that the applicant's claims are located in an area withdrawn by Public Land Order 760 and suggested that you contact the applicant and request him to furnish proof of valid title.

Will you please advise the present status of this docket.

W. H. King

W. H. King

HMC:ld

cc: Koschmann
Wilson
Subject
Chron.

January 16, 1953

Mr. Schmidt:

Although the company's letter of July 3, 1952, requested that this application be held in abeyance until AEC drilling program was completed (which was to be completed in approximately five more weeks -- at that time), do you think some follow-up at this time should be made since this has been dormant some months? Perhaps a phone call to their representative in Washington, Walter H. Kilbourne, Vice President, in the Warner Building (Sterling 3-4836) would be enough, without a letter.

Mrs. Ault

Feb. 12, 1953
Not acted upon due to pressure of other work —

9/24/52 per

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

224 New Customhouse
Denver 2, Colorado

September 18, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Docket No. 2543, Plateau Mines Inc., (Uranium)

This office received from the Washington office one copy of the application submitted by the Plateau Mines Inc., Docket No. DMEA 2543.

We have not yet been authorized to make a field examination. However, we checked the records of the Bureau of Land Management, and found that practically all the ground on which the applicant's claims are located was withdrawn under Public Land Order 760, dated October 22, 1951.

It is suggested that you contact the applicant and request him to furnish proof of the validity of his claims.

W. H. King
W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
SEP 23 1952

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

224 New Customhouse
Denver 2, Colorado

September 18, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Docket No. 2543, Plateau Mines Inc., (Uranium)

This office received from the Washington office one copy of the application submitted by the Plateau Mines Inc., Docket No. DMEA 2543.

We have not yet been authorized to make a field examination. However, we checked the records of the Bureau of Land Management, and found that practically all the ground on which the applicant's claims are located was withdrawn under Public Land Order 760, dated October 22, 1951.

It is suggested that you contact the applicant and request him to furnish proof of the validity of his claims.

W. H. King

W. H. King

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

224 New Customhouse
Denver 2, Colorado

September 18, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Docket No. 2543, Plateau Mines Inc., (Uranium)

This office received from the Washington office one copy of the application submitted by the Plateau Mines Inc., Docket No. DMEA 2543.

We have not yet been authorized to make a field examination. However, we checked the records of the Bureau of Land Management, and found that practically all the ground on which the applicant's claims are located was withdrawn under Public Land Order 760, dated October 22, 1951.

It is suggested that you contact the applicant and request him to furnish proof of the validity of his claims.

W. H. King
W. H. King

DEPARTMENT
Defense M
SEP 19 1952

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

7/8/52

Mr. Schmidt

I gave original to Mr. Knouse for Docket DMEA-2542, and made this copy to go in the docket which you are handling.

Mrs. Ault

OK Schmidt

Dm 89 2543

6/10/52

Conference with Kilbourne vice president of the Co Plateay ~~Mining Co~~ Mines Inc. He will ascertain whether to put this in abeyance because the AIC is going to drill this area in which case they may wish later to make an amended application or none at all.

This should be a letter of instructions to us asking us not to proceed with the application. Expect this letter in the next few days.

Schmidt

COPY

S. Y. GUTHRIE & ASSOCIATES
45 U.S. Bank Bldg.
Grand Junction, Colorado

July 3, 1952

Mr. F. L. Knouse
Defense Minerals Exploration Administration
Department of the Interior
4640 Interior Building
Washington, D. C.

re: Docket Nos. 2542-2543

Dear Mr. Knouse:

Confirming our recent conversation in Washington with reference to our D.M.E.A. application, docket No. 2543, Henry Mountains mining claims, Garfield County, Utah, we will please request at this time that this application be held in abeyance until the outcome of the drilling program now being done by the A.E.C. is known. The A.E.C. has approximately five more weeks of drilling to complete what, we understand, is their program at the present time. The drilling which was done by Plateau Mines, Inc. has been completed and the drill logs as well as locations of drill holes have been turned over to the A.E.C.

With reference to our application, docket No. 2542, Gateway Mining District, Mesa County, Colorado, the writer had hoped to be able to have this information as requested by you, and supplementing our application, in your hands by the end of this week. However, we are locating wagon drill and core drill holes, with elevations, and staking same, as well as location of tunnel and drift work, and will submit the entire program to you by July 13, 1952. It is our hope that the information as reflected by the claim maps showing the location of the exploratory work will be such that it will receive your approval insofar as preparation is concerned, and also will be in such shape that a field team will have no difficulty during actual inspection. In addition, we will supply claim maps with key locations, as well as geology that is available.

The writer has complied with Mr. Cain's request with reference to the items which were discussed in our meeting in Washington and this information will be submitted to your office along with the claim maps.

.....

I want to take this opportunity of expressing my appreciation for the cooperation on the part of you and your staff during my visit with you in Washington, and I sincerely trust that the information which we will finally submit will be in accordance with your requirements.

With kindest personal regards, I am,

Very truly yours,

PLATEAU MINES, INC.

By /s/ S. Y. Guthrie
S.Y. Guthrie

SYG/ar

$99,000

application

no geology shown.

no location of production

no data re TD "

no data to show relation of proposed work & geology or production. –

No location of underground work drifts etc

There is a geological map in Report

ACC RMO 753. Plans should be

shown in groups on enlargement of the map.

Relationship of V.C.A work & the

proposed work

Exhibit A

4/15/48 Lease only Canadian to Vickers

Consten 1 to 53 mc	53 claims
Consten mill site	1
Minnie Pearl 1-5 mc	5
Bell & Bell 1 to 6 mc	7
State Creek 1 to 3 mc	3
Daisy June 1-10 mc	10
Eagle 1-4 mc	4
Butler Wash	1
Taylor Ridge	1
	85

Exhibit B

10/15/48 Lease only Canadian to Mr. Elroy

Bell & Bell 1-6 mc	7	Bell [illegible]
Del Monte 1-6 mc	6	lease
	13	

4/25/50 6 yr Canadian to Vickers Lease & option subject to outstanding lease to Vickers and outstanding " lease to Mr. Elroy

Butler Wash #1
Taylor Ridge #1
Minnie Pearl 1+2 (1-5)
Daisy June 1-10 mc
Eagle 1-4 mc
Consten 1-53 mc
Consten mill site
Del Monte 1-6 mc

These leases to Vickers & Mr. Elroy were therefore in outstanding on 4/25/50

2/15/51 Lease only Green to Guthrie

Group 1 Green is owner

Slate Creek 1 + 2

Grover 1 - 20 mc

Black Jack 1 - 4 mc

South Fork 1 + 2

Group 2 - consent of owner needed

Ring 1 - 5 mc

Rocky Mountain 1 - 20 mc

Group 3 - consent needed of Realty Co of Denver - Kentucky Utah Min Co & Harold Ecker

Lucky Strike 1 - 10 mc

2/15/51 Operating agreement Green & Guthrie on claims as per lease of 11/25/50 to Green (Ex A)

7/31/51 mining lease Ecker to Guthrie 1 year

Trail Canyon 1 + 2

2455

Claims in Lassen — map

Brown 1 - 20 × 2/15/51 — 22 - 42 ✓

Slate Creek 1 - 2 10/15/48 2/15/51 — 1 - 2 - 3

South Fork 1 - 2 2/15/51 — no

Bell & Bell 1 - 6 10/15/48 10/15/48 — no

Congress 1 - 53 4/15/48 4/25/50 — map.

Congress Millsite 4/15/48 4/25/50

Summit Placer 1 - 5 10/15/48 4/25/50 1-2 — map.

Daisy June 1 - 10 10/15/48 4/25/50 — map.

Eagle 1 - 4 10/15/48 4/25/50 — map.

Butler Trail 10/15/48 4/25/50 — map.

Gaylor Ridge 10/15/48 4/25/50 — map.

Hill Monte 1 - 6 10/15/48 4/25/50 — map

Black Mountain 1 - 4 2/15/51 — map

Ring 1 - 5 (2/15/51) — no map.

Rocky Mountain 1 - 20 (2/15/51) — no map.

Lucky Strike 1 - 10 2/15/51 — no map.

Trail Canyon 1 - 2 7/31/51 — no map

- 155 claims.

[illegible]

Loan + option
Commission to recite 4/25/50 — 6 years
subject to outstanding loan to McElroy
" " + McElroy
must do 80 to 100 days work/mo ?
Pay 2,000 times year ?

Exhibit A
Jimmy Lou Do this still in effect
connection to + McElroy 4/15/48 - 35M
85 claims 7½% Royalty

Ex Exhibit B Do this in effect
Commission to McElroy 10/15/48 expires 4/15/51
but if working extend 3 years
Bell (7) Del monte (6)

Claims Lease Agreement 2/15/51 Grantors

Bauer # 1 to 20 map. # 22 to 42 inc

Slate Cr # 1 + 2 " # 1 + 2 + 3

South Fork # 1 + 2 no map.

no listing Del Monte 1 to 6 inc

Bell v Bell 1-6 - no map. "

Broker to Bethune 7/3/51 1 year

15% Roy. Trail Canyon #1

" " #2

LR Nees to Bethune et al 2/15/51 5 yr to 2/15/56

16% Royalty

Group 1

Slate Canyon, Bauer, Black Mtn

Group 2

Ring - Rocky Mtn -

Group 3

Lucky Strike

Walter A. Kilbourne
V.P.
Plateau Mines Inc.

Sterling 4-8336

1013 Warner Bldg

Wash DC

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: May 27, 1952

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Application DMEA Docket 2543, Plateau Mines, Inc. Congress, Navajo, Eagle, Daisy June, Minnie Pearl, Butler Wash, Taylor Ridge, Black Mountain, Grovers, and Del Monte claims or claim groups and Sec. 36, T.31S, R.11E. N. Wash and Other areas, Henry Mtn. District (unorganized) Garfield Co., Utah.

The applicant has shipped commercial ore from some of the claims with respect to which he requests exploration assistance and geologists of the Atomic Energy Commission have examined the area and recommended some wagon drilling at selected places therein (Brooke, Shirley, and Swanson, 1951a, 1951b). The applicant does not define sufficiently clearly the location of the drilling that he proposes in areas examined by the Atomic Energy Commission so that the amount, arrangement, and position can be evaluated in comparison with what the AEC geologists think might be warranted. Moreover, he does not supply any information to judge the merits of that part of the proposal pertaining to the Del Monte, Black Mountain, Slate Creek and Grovers groups of claims.

In view of the foregoing I recommend (1) that the application be referred to the field team for review, appraisal, and better definition of the drilling proposed within the area of the large map showing parts of Ts 31-33 S, Rs 11 and 12 E, (2) that the applicant be requested to submit specific information substantiating the presence of uranium minerals or uranium deposits on claims in the areas shown on the other maps together with a plan showing the relation of proposed drilling to such occurrences before consideration is given to that part of the application pertaining to those claims.

I suggest that the field team, in considering this application, review it with geologists of the ~~Chief~~, Grand Junction Exploration Branch, AEC, to obtain the benefit of the AEC's information. They may thus determine whether or not sufficient information is available for drawing up a sound plan of exploration without actual field inspection. Also they can determine whether or not the AEC plans exploration in the area, how the applicant's proposal might be integrated with that plan, and determine how drilling on the applicant's claims might be planned to provide information of general significance in appraising the uranium-bearing potential of the area as well as finding ore bodies for the applicant. It is believed that drilling would be most effective if it is carried out under detailed expert geologic guidance and I suggest that the field team undertake to persuade the Atomic Energy Commission to provide such guidance as its contribution to making the drilling most effective.

References:--Brooke, G. L., Shirley, R. F., and Swanson, M. A., Geological investigations report of the North Wash mining district, Henry Mountains, Utah, U. S. Atomic Energy Commission RMO 704, 1951

- - - - - - -Geological investigations report of the Trachyte district, Henry Mountains, Utah: U. S. Atomic Energy Commission RMO 708, 1951.

Attachment

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

IN REPLY REFER TO:

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

May 27, 1952

Ernest Wm. Ellis, DMEA Member, Uranium
Commodity Committee
Arthur P. Butler, Jr., USGS Member, Uranium
Commodity Committee
Application DMEA Docket 2543, Plateau Mines,
Inc. Congress, Navajo, Eagle, Daisy June, Minnie
Pearl, Butler Wash, Taylor Ridge, Black Mountain, Grovers,
and Del Monte claims or claim groups and Sec. 36, T.31S,
R.11E. N. Wash and Other areas, Henry Mtn. District (un-
organized) Garfield Co., Utah.

The applicant has shipped commercial ore from some of the claims with respect to which he requests exploration assistance and geologists of the Atomic Energy Commission have examined the area and recommended some wagon drilling at selected places therein (Brooke, Shirley, and Swanson, 1951a, 1951b). The applicant does not define sufficiently clearly the location of the drilling that he proposes in areas examined by the Atomic Energy Commission so that the amount, arrangement and position can be evaluated in comparison with what the AEC geologists think might be warranted. Moreover, he does not supply any information to judge the merits of that part of the proposal pertaining to the Del Monte, Black Mountain, Slate Creek and Grovers groups of claims.

In view of the foregoing I recommend (1) that the application be referred to the field team for review, appraisal, and better definition of the drilling proposed within the area of the large map showing parts of Ts 31-33 S, Rs 11 and 12 E, (2) that the applicant be requested to submit specific information substantiating the presence of uranium minerals or uranium deposits on claims in the areas shown on the other maps together with a plan showing the relation of proposed drilling to such occurrences before consideration is given to that part of the application pertaining to those claims.

I suggest that the field team, in considering this application, review it with geologists of the ~~Denver,~~ Grand Junction Exploration Branch, AEC, to obtain the benefit of the AEC's information. They may thus determine whether or not sufficient information is available for drawing up a sound plan of exploration without actual field inspection. Also they can determine whether or not the AEC plans exploration in the area, how the applicant's proposal might be integrated with that plan, and determine how drilling on the applicant's claims might be planned to provide information of general significance in appraising the uranium-bearing potential of the area as well as finding ore bodies for the applicant. It is believed that drilling would be most effective if it is carried out under detailed expert geologic guidance and I suggest that the field team undertake to persuade the Atomic Energy Commission to provide such guidance as its contribution to making the drilling most effective.

References:--Brooke, G. L., Shirley, R. F., and Swanson, M. A. Geological investigations report of the North Wash mining district, Henry Mountains, Utah: U. S. Atomic Energy Commission RMO 704, 1951

- - - - - - -Geological investigations report of the Trachyte district, Henry Mountains, Utah: U. S. Atomic Energy Commission RMO 708, 1951

Arthur P. Butler, Jr.

Attachment

Copy to E. Wm. Ellis

6/4/52 gla

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

June 4, 1952

Memorandum

To: Ernest William Ellis, DMEA Member, Uranium Commodity Committee, Room 4070.

From: H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

Subject: DMEA Docket 2543, Plateau Mines, Inc.

I have reviewed the subject application and discussed it with Arthur P. Butler, Geological Survey Member.

I concur in the recommendations of Mr. Butler as presented in his memorandum dated May 27, which I have read.

The supervisory staff listed by the applicant under Item 8 of Form MF-103 would seem excessive inasmuch as all operations would be under contract.

H D Keiser

H. D. KEISER

Attachments

UNITED STATES VANADIUM COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION
UCC
30 EAST FORTY-SECOND STREET
NEW YORK 17, N. Y.

May 23, 1952

Mr. S. Y. Guthrie, President,
Plateau Mines, Inc.,
1013 Warner Building,
Washington, D.C.

Dear Sir:

You have advised us that the properties in the Henry Mountain District, Utah, heretofore operated by S. Y. Guthrie & Associates will in future be operated by Plateau Mines, Inc. and you ask us to advise you whether we would be interested in purchasing carnotite ores from said properties over the twelve month period beginning June 1, 1952, estimated at approximately six hundred tons per month.

We are pleased to confirm that the carnotite ores we have heretofore purchased from S. Y. Guthrie & Associates from said properties have been found amenable to processing in our plant and we shall certainly be interested in purchasing like ores from you, in the quantity and over the period above stated, at prices set forth from time to time in our published price schedules which conform to the prevailing circulars issued by the Atomic Energy Commission.

We are pleased to note that you are planning to carry out a diamond drilling and development program on your properties and we wish you every success in that program.

Yours very truly,

O. F. Holmgren
Vice President

OFH:MC

EXPLORATION

Subject: DMEA-2543
Re: Exploration Loan
Hanksville Mine
May 21, 1952

Mr. S. Y. Guthrie
Plateau Mines, Inc.
45 U. S. Bank Building
P. O. Box 446
Grand Junction, Colorado

My dear Mr. Guthrie:

This will acknowledge receipt of your application dated May 16, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2543 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2543 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

Capo:

If you have any questions on "Kenny-Smith" or "West Gateway" applications of Platean Mines, etc. you can get in touch with the home representative here: Mr. Walter H. Hillemann, V.P.
1013 Warner Bldg.
Washington, D.C.

Phone: Sterling 4836.

FEJ

DMEA-2543

S. Y. GUTHRIE & ASSOCIATES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado
May 16, 1952

Defense Minerals Administration
U.S. Department of the Interior
Washington 25, D.C.

Gentlemen:

We are pleased to submit request on the part of Plateau Mines, Inc., 45 U.S. Bank Bldg., Grand Junction, Colorado, for government aid in defense exploration projects on properties in the Henry Mountains Mining District, Garfield County, Utah, covered by claim maps attached to our application.

The properties included under this application have been operated since March of 1951 by S.Y. Guthrie & Associates, a partnership consisting of Thomas J. Bate, Adam K. Grafe and S.Y. Guthrie. These properties, including all of the assets of the partnership, have been assigned to Plateau Mines, Inc., under which this application is made. The stockholders of Plateau Mines, Inc. are the same as the participating partners in S.Y. Guthrie & Associates.

In connection with the Henry Mountains properties, the application is accompanied with lease and operating agreements, as called for.

We sincerely trust this application will receive favorable consideration and that we may have the opportunity of forwarding the progress of the production and exploration on these properties at the earliest possible date.

Very truly yours,

S.Y. GUTHRIE & ASSOCIATES

By S.Y. Guthrie
S.Y. Guthrie

SYG/ar

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2543
Metal or Mineral
Date Received 5-21-52
Amount $
Participation (Government %)

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

If you have already filed MF-100, give date filed ....., type of assistance requested .....,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 21 1952

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)
S.Y. Guthrie

May 16, 1952
(Date)

President
(Title)

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—64067-2

MF-103

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

1. (a) GIVES DESCRIPTION OF THE REAL PROPERTY THAT WILL BE IN ANY WAY INVOLVED IN THE EXPLORATION PROJECT, INCLUDING ANY EXISTING MINE OR OPERATING PROPERTY.

The properties upon which the proposed exploration project is to be done, consists of certain claims as shown on accompanying maps with proposed drill locations, et.

The camp facilities consist of suitable accommodations, including sleeping quarters, cook shack, food and provisions, storage, mining supplies storage, and other required facilities for approximately thirty miners and workers. The properties are operative at the present time and have been continuously operated by the present operator in excess of fourteen months.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - office buulding
1 - cook shack (fully equipped) total 30 men
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

(b) Refer to leases attached.

(c) Refer to (b)

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. (a) WHAT METALS OR MINERALS DO YOU EXPECT TO FIND ?

The past production of these properties has yielded carnotite ore containing Uranium, Vanadium and Radium. The present mining is being done for the recovery of Uranium and Vanadium, and it is the aim of the operation to produce, through underground exploration, additional ore bodies containing these two minerals.

(b) FURNISH STATEMENT OF THE GEOLOGIC FEATURES OF YOUR PROPERTY, GIVING TYPE OF ORE DEPOSIT AND REASONS FOR EXPECTING TO FIND COMMERCIAL ORE BODIES. ILLUSTRATE WITH MAPS OR SKETCHES. IF YOU HAVE A GEOLOGIC OR ENGINEERING REPORT, OR ASSAY MAPS SHOWING WIDTH AND GRADE, PLEASE SEND THEM WITH APPLICATION, STATING WHETHER OR NOT YOU WISH TO HAVE THEM RETURNED.

Refer to RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt, April 5, 1951, Divison of Raw Materials, Exploration Branch, attached to original of this application; only copy available.

Do not want returned.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. (a) DESCRIBE FULLY THE PROPOSED WORK AND GIVE THE TOTAL COST OF THE PROJECT.

1,500 lin. ft. adit @ $18.00 per ft.	$27,000.00
1,000 lin. ft. drift @ $15.00 per ft.	15,000.00
6,000 lin. ft. diamond core drilling	30,000.00
27,000 lin. ft. wagon drilling	27,000.00
Total for all claim groups under this application	$99,000.00

(b) STATE THE TIME REQUIRED TO START THE PROJECT AND TO COMPLETE IT.

Work can be started 10 days after approval of contract and completed within 300 working days.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. SUBMIT A MAP OR SKETCH OF THE PROPERTY INVOLVED SHOWING A PLAN (AND CROSS SECTION, IF NEEDED) OF THE PRESENT MINE WORKINGS AND THE LOCATION OF THE PROPOSED EXPLORATION WORK AS RELATED TO GEOLOGIC FEATURES, SUCH AS CONTACTS, VEINS, ORE BEARING BEDS, ETC.

Refer to claim map and locations, as attached.

Mf-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. FURNISH AN ITEMIZED LIST OF EXISTING FACILITIES, BUULDINGS, INSTALLATIONS, AND FIXTURES WITH A STATEMENT OF THE COST OF ANY NECESSARY REHABILITATION OR REPAIRS TO PUT INTO USEFUL AND OPERABLE CONDITION.

The main camp, located as conveniently as possible to the area, consists of the following facilities:

5 - bunk houses (furnished) total 30 men
1 - cook shack (fully equipped) total 30 men
1 - office building
1 - underground storage
1 - forge shop and supplies house
1 - storage house for explosives
1 - 1500 kva electrical generating plant
1 - 30 cu. ft. deep freeze unit
1 - 8 cu. ft. food refrigerator
1 - complete facility for oil, gas, fuel, etc.

No rehabilitation or repairs required.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. FURNISH A DETAILED LIST OF ADDITIONAL FACILITIES, BUILDINGS, AND FIXTURES TO BE PURCHASED, INSTALLED, OR ERECTED BY YOU, WITH THE ESTIMATED COST OF EACH ITEM.

None required.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. FURNISH A DETAILED LIST OF OPERATING EQUIPMENT, SEPARATED INTO ITEMS TO BE -

   (a) Rented

   (b) Purchased

   (c) Furnished by you

   WITH THE RENTAL, PURCHASE PRICE, OR DEPRECIATION OF EACH ITEM, AS THE CASE MAY BE, TO BE CHARGED AS A COST OF THE PROJECT.

   All to be on contract unless otherwise noted.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

8. FURNISH AN ITEMIZED SCHEDULE OF LABOR, BY NUMBERS AND CLASSES (MINERS, MUCKERS, ETC.) AND OF SUPERVISORS BY NUMBERS AND POSITIONS, WITH THE MAXIMUM WAGES OR SALARIES TO BE PAID TO EACH.

Engineer Geologist in charge of exploration - $500. per month.

Assistant Engineer Geologist - $300. per month

General Superintendent - $400. per month

All other labor, both skilled and common, to be furnished under contract.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

9. FURNISH A DETAILED LIST WITH ESTIMATED COST OF EACH ITEM FOR MATERIALS, SUPPLIES, ENGINEERING, ASSAYING, ACCOUNTING, POWER, WATER, UTILITIES, AND ANY OTHER ITEMS NOT PROVIDED FOR ABOVE.

All items under 9 would become contractual costs, assumed by contractor, except accounting and transportation required which would aggregate $450.00 monthly.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

10. (a) HOW MUCH ARE YOU PREPARED TO INVEST IN THE PROPOSED PROJECT ?

Necessary capital to insure participation in program on part of applicant.

(b) IS THIS AMOUNT SUFFICIENT TO PAY YOUR PART OF THE COST OF THE PROJECT, IN ACCORDANCE WITH THE REGULATIONS ON GOVERNMENT PARTICIPATION (Sec. 9 of MO-5)

Yes.

MF-103

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

11. STATE ANY CONDITIONS OR CIRCUMSTANCES REGARDING THE PROPERTY NOT SUFFICIENTLY BROUGHT OUT BY THE FOREGOING QUESTIONS.

Applicant has not attempted to set forth any costs pertaining to incline exploration, due to the fact that exploration of this type would be needed only after core drilling or wagon drilling had indicated possible ore reserves. The applicant supposes that this matter could be brought to the attention of the proper parties as the time arises, and that necessary consideration would be given to same.

HENRY MOUNTAINS UNORGANIZED MINING DISTRICT

Congress-Navajo, Sec. 36 - Eagle, Daisy June, Minnie Pearl, Butler Wash and Taylor Ridge			
Wagon drill	Max. 40 ft.	20,000 ft.	$ 20,000.00
Black Mountain			
Wagon drill.	500' centers Max. 70'	2,000'	2,000.00
Grovers			
Core drill.	500' centers Max. 300'	6,000'	30,000.00
Del Monte			
Wagon drill.	Max. 40 ft.	5,000'	5,000.00

TOTAL ESTIMATED COST FOR DRILLING ..... $ 57,000.00

Form MF-100
(May 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2543

Date received 5-21-52

Plateau Mines, Inc.
45 U.S. Bank Building
P.O. Box 446
Grand Junction, Colorado

Name and address of applicant

Date May 16, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1952

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☒ Lessee.
   - ☒ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
S.Y. Guthrie	President D	none	325,000	.334	none	none	none
Thomas J. Bate	Vice-Pres.D	none	725,000	.333	none	none	none
Adam K. Grafe	Sec-Treas.D	none	350,000	.333	none	none	none
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$1,000 shares	$ none	$ none	none	none
Preferred stock	$ none	$ none	$ none	none	none

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	S E E				
2. Quantity of product processed (specify unit of measure and type of process)		P R O D U C T I O N			
3. Quantity and grade of product sold or shipped (specify units of measure)		S C H E D U L E			

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Present production will be maintained.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Refer to 7. (b)

MF-100

DEFENSE MINERALS ADMINISTRATION
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

1. MATERIALS PRODUCED:

(a) WHAT ARE THE CHIEF MINE, MILL, OR SMELTER PRODUCTS?

The chief mine products are Uranium and Vanadium.

(b) WHAT ARE THE BY-PRODUCTS, IF ANY ?

There are no by-products of importance.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

2. NAME AND TYPE OF MINE, MILL, SMELTER, REFINERY, PITS, QUARRY, DRILLING OPERATION. INCLUDE OLD NAMES OF PROPERTY, IF ANY. SHOW EXTENT OF WORKINGS.

Hanksville Mine.

The extent of the operations has been surface exposures, using open pits and cuts in the production of ore. Hundreds of surface exposures exist on the claims, and production has been realized from the areas of the exposures.

There are no shafts or tunnels of any consequence, but the presence of the ore at a point near the surface leads to a strong possibility of bedded ore underneath, substantiating underground exploration.

(a) LINEAR FEET OF SHAFTS - No consequence.

(b) LINEAR FEET OF DRIFTS AND CROSSCUTS - Very limited.

(c) LINEAR FEET OF TUNNELS OR ADITS - Very limited.

(d) LINEAR FEET OF OTHER MINE OPENINGS - None.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

3. FOR EACH OPERATION LISTED ABOVE SUPPLY THE FOLLOWING:
DISTANCE AND DIRECTION FROM NEAREST TOWN AND SHIPPING POINT.

(a) Properties are situated approximately 90 miles from Green River, Utah, where rail and main highway facilities exist. Ore produced from the properties during the last year has been transported to Thompsons, Utah, a distance of 116 miles from claims.

(b) MINING DISTRICT.

Henry Mountains Unorganized Mining District, Garfield County, Utah.

(c) TOWNSHIP, SECTION, RANGE.

Twp. 31, 32, 33 South
Range 11 & 12 East Salt Lake Meridian
7 - Del Monte claims on unsurveyed ground
20 - Grover claims on unsurveyed ground

(d) COUNTY, STATE

Garfield County, Utah.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

4. (a) State whether or not property is now in operation, and if in operation, by whom operated.

Properties are in operation at present time. S.Y. Guthrie and Associates are operators.

(b) S.Y. Guthrie & Associates are operating as owner, lessee and contractor. Some claims are under ownership to operator; others are under lease; others are under operating contracts, as described under 1. (b) of MF-103.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

5. NUMBER OF YEARS IN PRODUCTION.

The present operator has produced from these properties continuously for fourteen months. Previous operations have accounted for small high grade production over past fifteen years.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

6. EXPERIENCE OF OPERATORS:

DESCRIBE THE MINING AND GENERAL BUSINESS EXPERIENCE OF THE APPLICANT -

(a) The applicant is a new corporation, as explained in the attached letter.

(b) THE PERSON OR PERSONS WHO MANAGE THE PROJECT.

The partnership of S.Y. Guthrie & Associates consists of three partners, namely, Adam K. Grafe, Thomas J. Bate and S.Y. Guthrie.

A.K. Grafe has been associated with the mining industry for the past 25 years. He is president of McGinnis & Grafe, Inc., miners and producers of coal properties in the State of Oklahoma and Utah. The company also is actively engaged in heavy construction work, consisting of dirt work, highways, railroads, and underground construction and utilities.

Thomas J. Bate is partner is Thomas J. Bate & Sons, Contractors, Denver, Houston and Dallas, Texas. Their construction work consists of heavy dirt work, aqueducts, filtration and treating plants, general construction and underground utilities.

S.Y. Guthrie is partner and principal stockholder in companies operating in general construction and mechanical contracting, including process piping, refrigeration, air conditioning and general mechanical work.

A.E. Hill, in charge of office in Grand Junction has been associated with the mining industry in Minnesota for 18 years; employed in Construction Division Army Corps of Engineers, and in general construction business for the past 15 years.

A.J. Watson is engineer for the operators and in direct supervisory position with reference to field development and production.

Mr. Watson has been actively engaged in, and associated with the mining industry in the Colorado Plateau area for a period of thirty years. Field production under Mr. Watson's supervision lays with field operating crews.

MF-100

Plateau Mines, Inc.
45 U.S. Bank Bldg.
P.O. Box 446
Grand Junction, Colorado

7. HISTORY:

(a) GIVE STATEMENT, AS COMPLETE AS POSSIBLE, OF PREVIOUS EXPLORATION, DEVELOPMENT, OPERATION, AND PRODUCTION OF PROPERTY, WITH REASONS FOR SUSPENSION OF OPERATION.

Properties now in operation.

(b) STATE BRIEFLY THE KNOWN HISTORY AND PRODUCTION OF ADJOINING AND NEIGHBORING PROPERTIES.

Refer to U.S. Atomic Energy Commission Bulletin RMO-753 "Reconnaissance of Henry Mountains Area Wayne and Garfield Counties, Utah" by E.V. Reinhardt
April 5, 1951,
Division of Raw Materials,
Exploration Branch
Technical Information Service
Oak Ridge, Tenn.

(c) FURNISH ANY AVAILABLE (PRIVATE) REPORTS THAT MAY APPLY TO THIS APPLICATION, INCLUDING RESULTS OF MINE EXAMINATIONS, RECOMMENDED EXPLORATION AND DEVELOPMENT, AND METALLURGICAL INVESTIGATIONS.

Refer to (b).

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

90-116 miles - State Highway

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Sufficient water at main camp.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Superintendent - 3 miners, 6 muckers, tractor driver

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

All present facilities available in good condition. Equipment to remain on production

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

PLATEAU MINES, INC.
(Name of company)

By S.Y. Guthrie
(Signature of authorized official)
S.Y. Guthrie

May 16, 1952
(Date)

President
(Title)

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—63792-1

O P E R A T I N G A G R E E M E N T

THIS OPERATING AGREEMENT made this 15th day of February, 1951, by and between L.R. WEEKS of Salt Lake City, Utah, and S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, sometimes hereinafter referred to as "Contractor":

W I T N E S S E T H:

WHEREAS, L.R. Weeks is the Lessee of certain mining claims in the Henry Mountain Mining District (unorganized) in Garfield County, State of Utah, under a certain LEASE AND OPTION AGREEMENT, dated the 25th day of April, 1950, by and between Canadian Radium & Uranium Corporation, a New York corporation (sometimes hereinafter called "Canadian"), as holder and lessor, and L.R. Weeks as lessee, a copy of said lease being attached hereto as Exhibit "A" and by this reference incorporated herein as though set out in full; and

WHEREAS, it is the desire the L.R. Weeks to engage S.Y. Guthrie, A.K. Grafe, and T.J. Bate, jointly and severally, as Contractor, in his behalf to enter upon said mining claims and operate the same in strict compliance with the Lease (Exhibit "A") and on the terms and conditions set forth herein; and

WHEREAS, Contractor is willing to undertake the work required by the Lease (Exhibit "A") on behalf of and for L.R. Weeks on the terms and conditions and with the rights of cancellation as are hereinafter set forth;

NOW, THEREFORE, in consideration of thepayment of $1.00 by each party to the other, in hand paid, receipt of which is hereby acknowledged, and in consideration of the mutual promises and covenants contained herein, it is mutually agreed as follows:

1. L.R. Weeks hereby engages Contractor to enter upon the mining leases described in the Canadian Lease (Exhibit "A") and to do all work required of L.R. Weeks under the terms of that lease. Contractor is hereby given the right, and agrees, to enter immediately upon all or some of said claims for exploratory and development work and to perform such work; and after April 15, 1951, when exclusive possession is to be obtained by L.R. Weeks, pursuant to the terms of said Canadian Lease (Exhibit "A"), Contractor is to conduct such operations on said lands as will fully perform and comply with all of the terms and conditions of that lease and of this Operating Agreement. However, Contractor is hereby given the option, at any time before April 15, 1951, to abandon said operations and if said option is exercised, it shall have no other or further obligation of any kind to L.R. Weeks under this agreement. If said option is not exercised prior to April 15, 1951, then this agreement cannot be cancelled by Contractor (except as provided below) until after April 15, 1952. At any time after April 15, 1952, Contractor may cancel this agreement without any further obligation of any kind on Contractor to L.R. Weeks under this Operating Agreement except to account for any moneys that may be due by Contractor to L.R. Weeks in regard to operations carried on before said date of cancellation. It is also agreed that during the year between April 15, 1951, and April 15, 1952, the Contractor may, if it so elects, cancel this agreement by giving L.R. Weeks 30 days' notice in writing of its election so to do, and by paying him liquidated damages in the amount

of $865.00 per month for each month, or part thereof, between the effective date of such notice and April 15, 1952, and L.R. Weeks shall accept the same in full settlement of all damages or claims for damages arising out of an abandonment of work or failure to perform Contractor's obligations hereunder after said 30 days' notice, Contractor being thereby relieved of all obligation under this contract.

2. Any notice provided for herein may be given by mail or telegram and shall be considered as received by the addressee three days after the date the letter has been mailed or one day after the wire has been sent. Notice to L.R. Weeks shall be sufficient if it is addressed to him as follows:

Mr. L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

or to such other address as he shall in writing designate in lieu thereof. Notice to Contractor shall be sufficient if it is addressed as follows:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dallas, Texas

or to such other address as Contractor shall in writing designate in lieu thereof.

3. It is mutually agreed that the only work to be done by Contractor is that which the lease agreement between Canadian and L.R. Weeks (Exhibit "A") requires L.R. Weeks to perform, and no other or different work is required of Contractor, unless commercial ore is encountered. In such event Contractor agrees, and is hereby permitted, to mine the same. It is also agreed that if any provision hereof shall be in conflict with that lease (Exhibit "A"), then that lease (Exhibit "A") shall control.

4. L.R. Weeks hereby agrees to pay the Contractor all of its direct costs plus an agreed fee equal to 10 per cent of said direct costs for this work. Direct costs are defined to include all labor (including supervisory personnel on job), material, supplies, payroll taxes, insurance, reasonable equipment rentals, legal and accounting expenses, and, without limitation by reason of the foregoing enumeration, all other costs incurred in developing and operating these properties (excluding only general overhead incurred at Contractor's home office). Reimbursement for costs expended in each month (plus the fee thereon) shall be made by the tenth of the following month. Contractor shall have the option, which can be exercised at any time prior to April 15, 1951, to take, in lieu of said cost plus 10 per cent payment, 84 per cent of the net mill and smelter returns for ores produced and sold from said mining claims, remitting to L.R. Weeks 16 per cent of such net returns (out of which 16 per cent shall be paid the royalties due Canadian). Net mill and smelter returns as used herein shall mean the gross amount received from the sale or disposal of ores produced after deducting only treatment, concentration, transportation, sampling and assaying charges. If this option payment is exercised, Contractor, in addition to said 84 per cent of the net mill and smelter returns, shall retain as its sole and separate property all allowances made by the United States of America or any of its agencies, including allowances for development, trucking or transportation to the mills, subsidies, or any other payment of any kind or nature paid by the United States of America

or any of its agencies, or from any other source, for the production of ores or to stimulate the production of, or exploration for, ores. Once said election has been made by Contractor, as to whether it will take the cost plus 10 per cent payment or in lieu thereof the net mill returns, etc., said election shall not thereafter be changed and the selected basis of payment shall thereafter control throughout the life of this Operating Agreement.

5. It is acknowledged that the lease (Exhibit "A") between Canadian and L.R. Weeks has a provision granting to the said L.R. Weeks an option to purchase the mining claims leased thereunder. Said provision also provides that royalty payments made to Canadian shall apply on the purchase price. L.R. Weeks hereby authorizes and directs Contractor, to make, from L.R. Weeks' funds received from the operation of these mining claims and the sale of ores therefrom, the necessary payments of royalty to Canadian, and L.R. Weeks agrees that when, and if, payments to Canadian are sufficient to permit the option to purchase to be exercised, he will exercise said option and will, at Contractor's election, agree to a termination of this Operating Agreement and will lease said claims to Contractor under a lease agreement which will in general provide as follows:

(a) The terms of said lease shall be for five years, with the option on the part of Contractor (who will then become lessee) to renew for consecutive periods of five years for a total of fifty (50) years from the date of the expiration of the first five-year term.

(b) In consideration of the making of said lease, Contractor (lessee) will pay to L.R. Weeks a royalty of 6 per cent of the net mill and smelter returns (as defined above and with the same exclusions) for ores mined and sold from the leased property.

(c) There will be no requirement for minimum work on the claims, except sufficient to do the annual assessment work. However, Contractor will obligate itself to pay, either from operations on the properties hereinabove described, or from operations on the claims covered by that certain lease of even date herewith, executed between the parties to this instrument, a minimum royalty during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February15th) of not less than $10,380.00, payable as follows: Each month Contractor (as lessee) shall pay the royalty to which L.R. Weeks is entitled under paragraph (b) above, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraph during such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year. This obligation shall continue in force and effect only so long as Contractor (lessee) holds and operates the claims above described. If Contractor is, without fault on its part, unable to work a portion of these claims, due to conditions of, or defects in, titles, which presently exist, the obligation above set forth to pay a minimum royalty in the manner stated, shall be abated or reduced in the proportion that the claims abandoned or lost bear to the total claims which Contractor agrees to work hereunder.

(d) The lessee is to be permitted to cancel that lease after the first six months, upon theirty (30) days' written notice.

(e) The other provisions shall be in accordance with a standard mining agreement.

It is further agreed that if L.R. Weeks does not exercise his option to purchase,he will, insofar as it is legally possible, endeavor to arrange matters so that Contractor can do so.

It is mutually acknowledged that L.R. weeks is obligated by the lease agreement (Exhibit "A") to pay royalties to Canadian for ores produced and disposed of from these mining claims. L.R. Weeks agrees that these royalties tp Canadian are to be charged to his account, but Contractor shall make these payments as they become due direct to Canadian in accordance with the terms of that lease (Exhibit "A"). Contractor shall not be personally liable for said payments, but shall make the same from funds of L.R. Weeks which Contractor has on hand. If such funds are not available, Contractor shall promptly notify L.R. Weeks so that L.R. Weeks may pay such royalties as may be due. When Contractor makes any required royalty payments to Canadian, it will send to L.R. Weeks a carbon copy of its letter of transmittal and shall show thereon the check number and the amount thereof so that L.R. Weeks can be assured that such payments to Canadian have been made.

7. Contractor agrees, if it elects to exercise its option to take a percentage of the mill returns rather than to be paid on a cost plus basis, that it will send to L.R. Weeks two copies of all settlement sheets for ores sold and disposed of.

8. L.R. Weeks agrees that he will, at his own expense, preserve the possession of the mining claims, so that Contractor can perform the work called for herein, and will warrant and defend, unto Contractor, the rights herein conferred upon Contractor, against every person whomsoever.

9. The status of Contractor under this agreement shall be that of an independent contractor and not that of an employee or agent. In this regard Contractor shall not hold itself out as the employee or agent of L.R. Weeks; shall carry all employees in its own name; shall assume liability for seeing that all payroll taxes are paid, and that workmen's compensation insurance is procured for all operations; andshall save L.R. Weeks harmless from third party claims for damage arising out of the tortious acts or omissions of Contractor.

10. Copies of all engineering, geological, geodetic surveys and maps and all like reports or documents made by Contractor will be furnished without cost to L.R. Weeks.

11. If Contractor elects to be paid by taking 84 per cent of the net mill returns and the allowances by the government as specified above, Contractor shall be responsible for selling or disposing of the ores mined or produced and shall account to L.R. Weeks for his percentage thereof each thirty (30) days. If ores are stockpiled by Contractor (when a market is available), it will have the same assayed and pay L.R. Weeks his share thereof within thrity (30) days from the date said ores are placed in the stockpile. Ores shall not be sold or stockpiled for less than the Atomic Energy Commission's quoted prices, or if that agency or its successors ceases to exist, at prices lower than the prevailing market prices for such ores. Notice may be given by Contractor to L.R. Weeks of the sale or other disposition or stockpiling of ore and the prices being obtained therefor and unless L.R. Weeks objects within thirty (30) days thereafter, he shall be conclusively presumed to have agreed thereto and shall be forever

thereafter estopped and barred from asserting any claim that the ores have not been properly sold or disposed of or stockpiled.

12. It is expressly agreed that Contractor shall have the right to form a corporation in which S.Y. Guthrie is a stockholder, and that this Operating Agreement may be assigned to said corporation. L.R. Weeks agrees that upon the assumption by said corporation of the obligations of Contractor hereunder, Contractor shall be thereby released and discharged from any further obligation accruing under this Operating Agreement thereafter. The parties above named as comprising Contractor may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This Operating Agreement shall not be otherwise assignable without the consent of L.R. Weeks. Unless terminated under one of the foregoing paragraphs, this Operating Agreement shall run for the life of said Canadian lease.

13. This Operating Agreement and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of L R. Weeks and Contractor.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing Operation Agreement the day and year first above written.

/s/ L.R. Weeks
L.R. WEEKS Owner

/s/ S.Y. Guthrie
S.Y. GUTHRIE

/s/ A.K. Grafe
A.K. GRAFE

/s/ T.J. Bate
T.J. BATE

CONTRACTOR

STATE OF UTAH
ss.
COUNTY OF SALT LAKE

On the 21st day of February, 1951, personally appeared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC, Residing at Salt Lake City, Utah

My commission expires: April 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 17th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ MARTHA ROSS
NOTARY PUBLIC

Dallas County, Texas

My commission expires June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ DOROTHY GARRETT
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

NOTE: These documents are filed by mailing to proper recording office.

September 24, 1951

MINING LEASE

THIS INDENTURE, Made this 31st day of July in the year of our Lord one thousand nine hundred and 51 between Horace Ekker of Hanksville, Utah, of the first part, and S.Y. Guthrie & Associates, of Grand Junction, Colorado, of the second part,

WITNESSETH, that the said party of the first part, for and in consideration of the rents, covenants and agreements hereinafter expressed to be paid, kept and performed by the said party of the second part, has leased, let and demised, and by these presents does lease, let and demise unto the said party of the second part, the following described premises, situate, lying and being in unorganized Mining District, in the County of Garfield, and State of Utah, to-wit:

2 - unpatented mining claims known as Trail Canyon #1 and Trail Canyon #2. Recorded in the county recorder's office of Garfield County, Utah.

Trail Canyon #1	Book 13	Page 479
Trail Canyon #2	Book 13	Page 479

TO HAVE AND TO HOLD THE SAME, for the purpose of mining, for the term of one year from the date hereof, unless sooner terminated under any of the provisions herein contained, with no power to assign this lease or any interest thereunder, or to sublet the whole or any part of said premises except upon the written consent of the party of the first part.

And the said party of the second part, for and in consideration of the leasing of said premises, covenants and agrees with said party of the first part to commence work on said premises on or before August 10, 1951, and thereafter to work the same continuously, in a thorough and workmanlike manner, employing at least ---- men underground, and working at least 20 shifts each calendar month; to keep the same securely timbered, drained and clear of loose rock and rubbish; to keep accurate accounts, and to render sale of materials statements to the said party of the first part, his agent or attorney, showing the amount and character of work done, and to pay to said party of the first part, his agent or attorney, as rental of said premises royalty upon all ore taken and sold therefrom as follows, to-wit:

Five hundred dollars ($500.00) to be paid to party of the first by the party of the second part at the time of signing of this lease and 15% royalty on all material sold, less haulage & development allowances, except that the party of the second part shall receive the full amount from the sale of the first six tons of material sold.

And the said parties of the second part furthermore covenant and agree that in case they fail in any respect to keep and fulfill any one of more of the covenants or agreements herein expressed or implied, then, and in that case it shall be lawful for the said party of the first part, his agent or attorney, to declare said term ended, and with or without process of law to enter upon and take possession of said premises, and in such case, and also at the expiration of this lease by limitation, said parties of the second part agree to surrender, yield and deliver to said party of the first part quiet and peaceable possession of said premises

in good condition, and that time shall be of the essence hereof, and that all of the covenants and agreements herein contained shall extend to and be binding upon the heirs, executors, administrators, successors and lawful assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties have executed these presents the day and year first above written.

/s/ Horace E. Ekker

S.Y. GUTHRIE & ASSOCIATES

By /s/ S.Y. Guthrie, Partner

STATE OF UTAH, County of Garfield.

I hereby certify that this instrument was filed for record in my office at 9 o'clock A.M. on the 7th day of January, A.D. 1952, and is duly recorded in book Misc. 14, page 270.

/s/ Mildred Devel
Recorder

L E A S E A G R E E M E N T

THIS INDENTURE OF LEASE is made and entered into on the 15th day of February, 1951, by and between S.Y. GUTHRIE, A.K. GRAFE, and T.J. BATE, of Dallas, Texas, jointly and severally, as Lessee (and hereinafter so called) and L.R. WEEKS, of Salt Lake City, Utah, as Lessor (and hereinafter so called)

W I T N E S S E T H:

That the Lessor, for and in consideration of the payment of $865.00 and the royalties hereinafter provided to be paid by the Lessee to the Lessor, and in further consideration of the covenants and conditions herein required to be kept and performed by said Lessee, hereby leases unto said Lessee upon the terms and conditions and subject to the reservations below set forth the following unpatented mining claims, situate in Garfield County, State of Utah, to-wit:

Group No. 1

Slate Creek No. 1; Slate Creek No. 2; Grover No. 1; Grover No. 2; Grover No. 3; Grover No. 4; Grover No. 5; Grover No. 6; Grover No. 7; Grover No. 8; Grover No. 9; Grover No. 10; Grover No. 11; Grover No. 12; Grover No. 13; Grover No. 14; Grover No. 15; Grover No. 16; Grover No. 17; Grover No. 18; Grover No. 19; Grover No. 20; Black Mountain No. 1; Black Mountain No. 2; Black Mountain No. 3; Black Mountain No. 4; South Fork No. 1; South Fork No. 2;

Group No. 2

Ring No. 1; Ring No. 2; Ring No. 3; Ring No. 4; Ring No. 5; Rocky Mountain No. 1; Rocky Mountain No. 2; Rocky Mountain No. 3; Rocky Mountain No. 4; Rocky Mountain No. 5; Rocky Mountain No. 6; Rocky Mountain No. 7; Rocky Mountain No. 8; Rocky Mountain No. 9; Rocky Mountain No. 10; Rocky Mountain No. 11; Rocky Mountain No. 12; Rocky Mountain No. 13; Rocky Mountain No. 14; Rocky Mountain No. 15; Rocky Mountain No. 16; Rocky Mountain No. 17; Rocky Mountain No. 18; Rocky Mountain No. 19; Rocky Mountain No. 20;

Group No. 3

Lucky Strike No. 1; Lucky Strike No. 2; Lucky Strike No. 3; Lucky Strike No. 4; Lucky Strike No. 5; Lucky Strike No. 6; Lucky Strike No. 7; Lucky Strike No. 8; Lucky Strike No. 8; Lucky Strike No. 9; Lucky Strike No. 10;

to have and to hold the said mining claims, with the right and privilege of mining and selling all minerals of every kind and nature, including, but not limited to, uranium and vanadium, for a term of five (5) years, commencing on the15th day of February, 1951, and continuing to the 15th day of February, 1956, with the option to renew on the basis set forth herein.

In consideration of the premises, it is covenanted and agreed by and between the Lessor and the Lessee as follows:

1. Lessor warrants that he is the owner of and has the right to lease the mining claims described above under Group No. 1. As to the mining claims described under Group No. 2 above, it is agreed that the consent of Harold Ekker to the making of this lease agreement must yet be had and obtained, and Lessor warrants and agrees that he can obtain such consent, and that he will forthwith do so. As to the mining claims described under Group No. 3 above, it is agreed that the consent of the Realty Company of Denver, a corporation, Kentucky-Utah Mining Company, a corporation, and Harold Ekker, must yet be had and obtained, and Lessor agrees to use his best efforts to forthwith obtain such consent. While the royalties hereinafter provided are expressed as payable to or for the account of Lessor, it is understood that these are the total royalties to be paid by Lessee, and that to the extent that Lessor owns less than the entire undivided mineral interests, or mining claims, above described (or is unable to obtain, without additional charge or expense to Lessee, the consent of the owner thereof to this lease), his royalties, both percentage and minimum per year, will be reduced proportionately. Lessor further warrants that each of said mining claims was originally located in accordance with law; that thereafter all assessment work required by law to keep said mining claims valid has been done; that the necessary notices have been or will be recorded; that the necessary monuments and the markings of said claims on the ground, and all things necessary to effect a valid location, have been done or will be done by Lessor; and that, with the exception above mentioned, said claims are free of lien and encumbrance, he has good right, title, and authority to lease the same, and that he will forever warrant and defend the same unto Lessee against every person whomsoever claiming the same or any part thereof. After the date of this lease the obligation for doing and filing notice of the annual assessment work shall be assumed and performed by Lessee so long as Lessee holds possession of these claims hereunder, and all monuments marking the location of said claims on the ground will be preserved by Lessee at Lessee's expense.

2. Immediately upon the execution of this Lease Lessee shall have the sole and exclusive right of possession and the sole and exclusive right to mine and operate and erect improvements and to produce and sell ores and minerals of every kind and nature whatsoever from the above described properties, subject only to the paramount title of the United States pertaining to unpatented mining claims, to the orders and regulations of the Atomic Energy Commission which apply to uranium and vanadium ores, and to the obtaining of the necessary consents to the making of this lease mentioned in paragraph 1 hereof.

3. Lessee agrees:

(a) To forthwith enter upon the mining claims and to take possession thereof and thereafter throughout the life of this lease and until the same is cancelled or terminated, as hereinafter provided, to maintain possession continuously and, so far as is reasonably possible, to prevent trespass thereon or the theft of ore or other infringement of the rights of Lessor in and to said mining claims.

(b) To occupy all cross or parallel lodes, spurs, or mineral deposits of any kind which may be discovered by Lessee or any person under Lessee in any manner by working within or from the demised ground, as the property of Lessor with the privilege to Lessee of working the same as a part of said demised premises.

(c) That all work done on said mining claims, or any of them, will be done in a minerlike fashion and in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as a workable mine.

(d) To pay to Lessor as a royalty 16 per cent of the net mill and smelter returns from the sale or disposal of all ores mined or produced from any of the premises hereby leased to Lessee; said payments shall continue throughout the life of this lease. Net mill or smelter returns as used herein shall mean the net amount paid for the ores by the milling or smelting company, or any other person, firm or entity to whom such ore may be sold or delivered, after deducting the treatment, concentration, transportation, sampling and assaying charges only. It is agreed that in the event Lessee receives payments from the federal government or any of its agencies, or from any other source, for exploration and development work, or for hauling ore, or for production of ore on the property, or any subsidy or other receipt of any kind or nature whatsoever (except the receipts from the sale or disposal of the ore), Lessee may keep all of said payments and they shall not be considered a part of the net mill returns.

(e) That the 16 per cent royalty provided for above shall be accounted for and paid to First Security Bank of Utah, N.A., Exchange Place Branch, Salt Lake City, Utah, for the account of Lessor.

(f) To keep accurate accounts in accordance with some standard bookkeeping method, and that said accounts showing the operations on these leased premises shall be open to the inspection of Lessor, its accountants and attorneys at reasonable times, but not more frequently than once a month.

4. In the event Lessee enters into possession of the above described mining claims, or any of them, and is later sued for damages for trespass by other parties claiming a superior right of possession, then Lessee shall be held harmless by Lessor by reason thereof, including any amounts which Lessee is required to expend to defend such suit or to pay by way of damages as a result of said suit. If Lessor fails to reimburse Lessee for such damages and expenses, Lessee may, in addition to its other remedies, deduct all such damages and expenses from the 16 per cent royalty payments accruing in the future which it is herein agreed that Lessee will pay.

5. It is understood and agreed that Lessee hereunder shall procure and operate under its own official license from the Atomic Energy Commission, and will not ship ore or other products from the property until such license has been obtained.

6. If at the end of the term hereof Lessee shall have kept and performed all of the conditions and covenants contained herein and shall not have terminated the lease pursuant to the right of termination given herein, under paragraph 11 hereof, then Lessee shall have an unconditional option to renew its lease for consecutive periods of five years upon the same terms and conditions as are provided herein, but not to exceed a total of fifty (50) years after the expiration of this term. If title to any of the mining claims hereto is challenged and by reason of said challenge Lessee in its sole discretion elects to discontinue operations on said claim until the title is cleared, then the term of this lease on that particular mining claim shall automatically be extended for a period equal to the period of stoppage while the title to said claim is being cleared.

7. Lessee hereunder may produce and sell ores or concentrates from these leased claims at will, but in so doing shall not sell or otherwise dispose of ores and ore concentrates or stockpile ores at Lessee's own plant at prices that are less than the standard price obtained at United States government licensed purchasing plants or depots, or if that agency ceases to function, that ores will not be sold or stockpiled at prices below prevailing market prices. Lessee may notify Lessor periodically of the prices being obtained and the disposition being made of the ore or concentrates, and unless Lessor shall protest the amount being received therefor, or the method followed in disposing of or stockpiling the same, within 30 days from the date of said notice, Lessor shall be forever estopped and barred from asserting that Lessee has not properly sold or disposed of or stockpiled the ore or concentrates. Two copies of all settlement sheets will be given to Lessor.

8. Any notice provided for herein, or desired to be made, to Lessor shall be considered as given five (5) days after the same has been mailed to the following address, to-wit:

L.R. Weeks
715 Continental Bank Building
Salt Lake City, Utah

Any notice provided for herein, or desired to be made hereunder, to Lessee shall be considered as given five (5) days after the same is mailed addressed as follows, to-wit:

S.Y. Guthrie & Associates
1708 Cedar Springs
Dallas, Texas

9. The failure of Lessee to perform any of the conditions or covenants herein provided shall constitute grounds for cancellation. However, Lessor shall, before cancelling said lease, notify in writing Lessee of the claimed breach, and Lessee shall have 30 days thereafter within which to cure the same, and said lease cannot be cancelled by Lessor if within 30 days after receipt of said notice Lessee has cured the breach.

10. In the event of cancellation or termination of this lease in any way, and at any time, all improvements attached to the realty by Lessee shall remain on the leased premises. Only those items which cannot be removed from the property without injury or damage to the property shall be considered to be attached. Anything else may be removed, and Lessee shall have the privilege of entering upon said premises at any time for a 60-day period after termination or cancellation, to remove the same.

11. Lessee may at any time during the life of this lease give Lessor 30 days' written notice of its intention to abandon possession of said premises and to terminate this lease. Up to the date of the giving of said notice and for said 30 days thereafter, Lessee shall be obligated to protect the possession of these mining claims and perform all other covenants of this lease. If said notice is given later in a calendar year than May 1st, Lessee shall be obligated to complete the annual assessment work which is required to be filed before the following July 1st, but after said 30 days notice Lessee shall have no other or further obligation

hereunder, either in respect to the future, or in respect to past acts or omissions occurring prior to issuance by Lessee of its notice of intention to abandon (except as to such past acts or omissions as to which Lessor has complained in writing to Lessee prior to issuance by Lessee of its notice of intention to abandon).

12. Lessor agrees that if he becomes interested directly or indirectly in any other mining claims or mining properties, or mineral or oil leases and elects to offer the same for lease or sale, that he will offer said properties or leases to Lessee, and give Lessee the first opportunity to meet the best bona fide offer which he can obtain thereon. It is agreed by Lessor that Lessee shall have fifteen (15) days after said offer is presented to Lessee within which to elect to take the same.

13. The parties hereto mutually acknowledge that they have simultaneously herewith executed an Operating Agreement under the terms of which Lessee will operate, mine and develop certain mining claims which Lessor holds under a lease from Canadian Radium & Uranium Corporation, a New York corporation. It is not known on which claims the major work will be done. It is agreed, however, that from the operations on the Canadian Radium & Uranium Corporation properties, or on the properties described above, Lessee will pay during each contract year this lease is in effect (each such year being computed as the twelve-month period from February 15th to February 15th) a minimum royalty of not less than $10,380.00, payable as follows: Each month Lessee shall pay the royalty to which Lessor is entitled under preceding paragraphs of this lease, plus whatever sum is necessary to make the total of (a) the royalties previously paid during the contract year, plus (b) previous payments under this paragraph during such contract year, plus (c) the royalty paid that month, average $865.00 per month of such contract year.

It is specifically agreed that the foregoing paragraph shall be in force and effect only so long as Lessee holds and operates the claims above described. It is further agreed that if operations are abandoned on the Canadian Radium & Uranium Corporation claims, the obligation of this leasee to pay this minimum monthly royalty thereafter shall be reduced by the amount of one-third, and possession of these claims may thereafter be held upon the payment of a minimum monthly average royalty of $576.67 in the manner above provided. If these claims are abandoned and this lease is cancelled, the sole remaining obligation of Lessee shall be as is specified in its Operating Agreement relating to the Canadian claims. It is also mutually agreed that this lease and the operating agreement shall be considered to be independent and unrelated, except for this provision relating to a minimum payment to Lessor. This lease may be separately cancelled or terminate, or the operating agreement may be separately cancelled or terminate. If the operating agreement is cancelled or terminates, the minimum monthly average royalty provided for shall be reduced to $576.67, as provided above. If this lease is cancelled or terminates, the operating agreement shall remain as the sole obligation of these parties, just as though this agreement had never been made.

14. It is expressly agreed that the Lessee shall have the right to form a corporation in which S.Y. Guthrie is a stockholder, and that this lease agreement may be assigned to said corporation. Lessor agrees that upon the assumption by said corporation of the obligations of Lessee hereunder, Lessee shall be thereby released and discharged from any further obligation accruing under this lease thereafter. The parties

above named as comprising Lessee may also assign their respective interests, in whole or in part, to members of their families, outright or in trust. This lease shall not be otherwise assignable without the consent of Lessor.

15. Lessee agrees that it will make available to Lessor one copy of all maps, engineering reports, geological reports, geodetic surveys or other similar documents or reports made by Lessee or on its behalf during the life of this lease.

16. Lessee agrees that Lessor may come on the property at reasonably frequent intervals to inspect the mining operations being conducted thereon.

17. This lease and the rights and obligations herein contained, shall be binding upon, and inure to the benefit of, the respective heirs, executors, administrators, and assigns of Lessor and Lessee.

IN WITNESS WHEREOF, the parties hereto have signed the foregoing lease the day and year fist above written.

/s/ L.R. WEEKS
L.R. WEEKS Lessor

/s/ S.Y. GUTHRIE
S.Y. GUTHRIE

/s/ ADAM K. GRAFE
A.K. Grafe

/s/ THOMAS J. BATE
T.J. BATE
Lessee

STATE OF UTAH
: ss.
COUNTY OF UTAH

On the 21st day of February, 1951, personally appeared before me L.R. Weeks, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ G.A. GILES
NOTARY PUBLIC
Residing at Salt Lake City, Utah

My commission expires: Apr. 3, 1953

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me S.Y. Guthrie, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worsham
NOTARY PUBLIC
Dallas County, Texas

My commission expires: Jan. 1, 1951

STATE OF TEXAS

COUNTY OF DALLAS

On the 15th day of February, 1951, personally appeared before me A.K. Grafe, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Jos. Aaron Worhsam
NOTARY PUBLIC

Dallas County, Texas

My commission expires: June 1, 1951

STATE OF TEXAS

COUNTY OF HARRIS

On the 18th day of February, 1951, personally appeared before me T.J. Bate, a signer of the foregoing instrument, who duly acknowledged to me under oath that he executed the same.

/s/ Dorothy Garrett
NOTARY PUBLIC

Harris County, Texas

My commission expires: June 1, 1951

LEASE AND OPTION AGREEMENT

THIS LEASE AND OPTION AGREEMENT, made and entered into this 25th day of April, 1950, by and between CANADIAN RADIUM & URANIUM CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of New York, with its principal place of business at New York City, New York, and duly qualified to own and hold unpatented lode mining claims and transact business within the State of Utah, as Lessor and Optionor, hereinafter referred to as the Party of the First Part, and sometimes called Lessor, and L.R. WEEKS of Salt Lake City, Utah, hereinafter referred to as the Party of the Second Part, as Lessee and Optionee, and sometimes called the Lessee.

WITNESSETH

WHEREAS, the party of the first part now owns, holds and controls certain unpatented lode mining claims, hereinafter described, subject to the paramount title in the United States Government, and also subject to an outstanding lease executed by the party of the first part in favor of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, as lessees, and to an outstanding lease from the party of the first part to J.H. McElroy, copies of which leases are attached hereto, marked Exhibits "A" amd "B" respectively, and by this reference made a part hereof; and

WHEREAS, the said party of the first part is desirous of leasing and selling certain mining claims hereinafter described, to the said party of the second part, and the said ~~second~~ party of the second part is desirous of leasing and purchasing such mining claims from the party of the first part, subject to paramount title in the United States Government and the outstanding leases in favor of the Ekkers and McElroy hereinabove referred to.

NOW, THEREFORE, in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the party of the second part to be kept and performed, the said party of the first part hereby grants, demises and lets to the party of the second part all right, title and interest now held or hereinafter to be acquired, subject to the paramount title in the United States Government and the outstanding lease in favor of the Ekkers, in and to the following described mines, mining claims and mining properties situate in the Henry Mountain Mining District (unorganized), Garfield County, Utah, to-wit:

Butler Wash Claim No. 1, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Taylor Ridge Claim No. 1, recorded December 3, 1943, in Book 9 (misc) of Notices of Location, Page 591, of the Records of Garfield County, Utah.

Minnie Pearl Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 592, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 1 and 2, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 593, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 3 and 4, recorded December 3, 1943, in book 9 (Misc) of Notices of Location, Page 594, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 5 and 6, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 595, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 7 and 8, recorded December 3, 1943, in Book 9 (Misc) of Notices of Location, Page 596, of the Records of Garfield County, Utah.

Daisy June Claims Nos. 9 and 10, recorded Dec. 3, 1943, in Book 9 (Misc) of Notices of Location, Page 597, of the Records of Garfield County, Utah.

Eagle Claim No. 1 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 29, of the Records of Garfield County, Utah.

Eagle Claims Nos. 2 and 3, recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 30, of the Records of Garfield County, Utah.

Eagle Claim No. 4 recorded March 15, 1944, in Book 10 (Misc) of Notices of Location, Page 31, of the Records of Garfield County, Utah.

Congress Claims Nos. 1 and 2, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 601, of the Records of Garfield County, Utah.

Congress Claims Nos. 3 and 4, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 602, of the Records of Garfield County, Utah.

Congress Claims Nos. 5 and 6, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 603, of the Records of Garfield County, Utah.

Congress Claims Nos. 7 and 8, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 604, of the Records of Garfield County, Utah.

Congress Claims Nos. 9 and 10, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 605, of the Records of Garfield County, Utah.

Congress Claims Nos. 11 and 12, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 606, of the Records of Garfield County, Utah.

Congress Claims Nos. 13 and 14, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 607, of the Records of Garfield County, Utah.

Congress Claims Nos. 15 and 16, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 608, of the Records of Garfield County, Utah.

Congress Claims Nos. 17 and 18, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 609, of the Records of Garfield County, Utah.

Congress Claims Nos. 19 and 20, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 610, of the records of Garfield County, Utah.

Congress Claims Nos. 21 and 22, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 611, of the Records of Garfield County, Utah.

Congress Claims Nos. 23 and 24, recorded Dec. 27, 1943, in Book 9 (Misc) of Notices of Location, Page 612, of the Records of Garfield County, Utah.

Congress Claims Nos.25 and 26, recorded Dec. 27, 1943, in Book 10, (Misc) of Notices of Location, Page 1, of the Records of Garfield County, Utah.

Congress Claims Nos. 27 and 28, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 2, of the Records of Garfield County, Utah.

Congress Claims Nos. 29 and 30, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 3, of the Records of Garfield County, Utah.

Congress Claims Nos. 31 and 32, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 4, of the Records of Garfield County, Utah.

Congress Claims Nos. 33 and 34, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 5, of the Records of Garfield County, Utah.

Congress Claims Nos. 35 and 36, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 6, of the Records of Garfield County, Utah.

Congress Claims Nos. 37 and 38, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 7, of the Records of Garfield County, Utah.

Congress Claims Nos. 39 and 40, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 8, of the Records of Garfield County, Utah.

Congress Claims Nos. 41 and 42, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 9 of the Records of Garfield County, Utah.

Congress Claims Nos. 43 and 44, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 10, of the Records of Garfield County, Utah.

Congress Claims Nos. 45 and 46, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 11, of the records of Garfield County, Utah

Congress Claims Nos. 47 and 48, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 12, of the Records of Garfield County, Utah.

Congress Claims Nos. 49 and 50, recorded Dec. 27, 1943, in Book 10 (Misc) of Notices of Location, Page 13, of the Records of Garfield County, Utah.

Congress Claims Nos. 51 and 52, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 41, of the records of Garfield County, Utah.

Congress Claim No. 53, recorded May 31, 1944, in Book 10 (Misc) of Notices of Location, Page 54, of the Records of Garfield County, Utah.

Congress Mill Site, recorded April 11, 1944, in Book 10 (Misc) of Notices of Location, Page 42, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 1 and 2, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page44, of the records of Garfield County, Utah.

Del Monte Claims Nos. 3 and 4, recorded April 24, 1944, in Book 10, (Misc) of Notices of Location, Page 45, of the Records of Garfield County, Utah.

Del Monte Claims Nos. 5 and 6, recorded April 24, 1944, in Book 10 (Misc) of Notices of Location, Page 46, of the Records of Garfield County, Utah.

together with all the corresponding appurtenances, rights and franchises thereunto belonging or in any wise appertaining.

To have and to hold unto the said party of the second part, subject to the outstanding Ekkers lease, hereinabove referred to , for the term of six (6) years from date hereof, expiring at noon on the 25th day of April, 1956, unless sooner forfeited or determined through the violation of any covenants hereinafter against the party of the second part reserved.

In consideration of such demise, the said party of the second part covenants and agrees with the party of the first part as follows, to-wit:

1. To enter upon said mines, mining claims or premises and investigate the same, including the performance of engineering and geological work necessary to properly appraise and evaluate the possibilities of the development of ore, and the formulation of a development and mining program consistent with good mining practice under the conditions and circumstances existing at such mines, mining claims and mining properties.

2. To furnish to the party of the first part, from time to time, as compiled and prepared, copies of all maps, reports and other date resulting from the examination and investigation of such mines, mining claims and

mining properties.

3. To enter upon said mines, mining claims and mining properties, so soon as possession thereof can be obtained through the Ekkers as the holders of said outstanding lease, and work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as workable mining properties.

4. To work and mine said mining claims and mining properties steadily and continually from the date possession thereof is available for such purposes, and perform or cause to be performed in the exploration, development or operation of said mines, mining claims and mining properties, the miners shifts of 8 hours of work each as hereinafter set forth, unless prevented by strikes, inability to transport ore to markets through inclement weather or road conditions, or Acts of God over which the party of the second part has no control:

80 miners shifts of work per month for the first 6 months the party of the second part has possession of said mines, mining claims and mining properties for production of ore therefrom.

100 miners shifts of work per month during the succeeding 18 months.

150 miners shifts of work per month thereafter.

5. To timber underground whenever and wherever necessary, if good mining practice, under the circumstances then obtaining, should so indicate.

6. To allow the party of the first part and its agents, from time to time, to enter in and upon said mines, mining claims and mining property for purposes of inspection, sampling and general investigation.

7. To adequately equip said mines, mining claims and mining properties, so soon as possession is obtained for mining purposes, with necessary machinery and equipment, including necessary compressors, drilling machines and other equipment necessary to effectively develop and operate said mines, mining claims and mining properties so as to take out the greatest amount of ore possible with due regard to the preservation of same as workable mines.

8. To expend, in actual new development, not less than the development allowance of 50¢ per pound of U_3O_8 as allowed for such purpose by the Atomic Energy Commission in so long as such allowance is available, and thereafter expend such amounts as may be necessary to conform with good mining practice under the circumstances and conditions then obtaining.

9. To build and construct, as soon as possession has been obtained for mining purposes, such roads as may be necessary to properly explore, develop and operate said mines, mining claims and mining properties.

10. To perform, as soon as possession is obtained for mining purposes, all necessary assessment work on all of said mining claims and, within the time required by law, to file necessary affidavits of said assessments.

11. To survey, as soon as possession of said claims has been

obtained for mining purposes, all of said mining claims, check all discovery and other monuments, and where necessary, adjust lines, erect new monuments and otherwise keep all of said claims in good standing.

12. To occupy and hold all cross or parallel lodes, spurs or mineral deposits of any kind which may be discovered by the party of the second part, or any person under it, in any manner, by working within the demised ground, as the property of the party of the first part, with privilege to the party of the second part of working the same as part of said demised premises.

13. To take out, carry and maintain full industrial insurance with the Utah State Industrial Commission for any and all persons employed in or upon said premises by the party of the second part, and to conduct all operations so as to comply fully with the laws of the State of Utah relating to mining, safety regulations and in every other respect.

14. To post notices at at least 25 conspicuous places on the mining properties showing that the properties are being operated by the party of the second part and that all creditors must look to the said party of the second part for payment of any accounts incurred after operations commence by the party of the second part, and to hold harmless the party of the first part from any and all claims or demands arising or growing out of the exploration, development and operation of said properties by the party of the second part.

15. To comply with the Federal and State laws in regard to Social Security, Unemployment Compensation and Withholding Tax.

16. To install and maintain full and complete books of account covering all phases of development and operation of the mines, mining claims and mining properties, which said books shall be open to the inspection of the party of the first part at any and all reasonable times, and to furnish the party of the first part, after possession of the properties is obtained for mining purposes, a monthly report of all operations.

17. To pay all taxes in connection with ownership or operation of the premises, commencing with the year 1950, and for each year this agreement or any renewal thereof is in effect.

18. To promptly pay for all labor and supplies to be done for or furnished to Lessee, or any person or persons under or in privity with it, and to keep the said premises and every part thereof free and clear of any mechanic's, miners' or other liens or encumbrances.

19. To keep the premises in good order and repair and not to remove, without written permission of the party of the first part, any property which now is or during the term of this agreement may become permanently affixed or attached to the premises so as to become a part of the freehold.

20. To allow no person not in privity with the parties hereto to take or hold possession of said premises, or any part thereof, under any pretext whatever, without written permission of the Lessor.

21. To protect and save harmless the party of the first part from and on account of any and all claims of Horace Ekker, Cornelius Ekker, Riter Ekker, Darys F. Ekker, J.H. McElroy or any one else arising out

of the party of the second part's tenancy, occupation or operation of the premises.

22. To pay quarterly to the party of the first part, as royalties, 10% of the net mill returns* received from the sale of ores extracted and which may be found in or upon the above described mines, mining claims and mining properties, and reduced, treated, sold and shipped.

The party of the second part agrees with and warrants and guarantees to the party of the first part that such royalties shall aggregate the following amounts annually:

At least $2,000. on or before one year from the date of this agreement, and will pay on account thereof the party of the first part $1,000. upon the execution of this Agreement.

At least an additional $4,000. on or before two years from the date hereof.

At least an additional $4,000. on or before three years from the date hereof.

At least an additional $5,000. on or before four years from the date hereof.

At least an additional $5,000 on or before five years from the date hereof.

At least an additional $5,000. on or before six years from the date hereof.

It is further understood and agreed between the parties hereto that in the event the royalties paid under the foregoing lease do not equal the minimum sum for the years set forth above, that the party of the second part shall remit and pay any difference to the party of the first part on or before the last quarter of the year in which such deficit occurs.

---

* Net mill returns are hereby defined as the amount received from the Atomic Energy Commission, or any of its authorized agents, under the schedule of settlements now in effect, or hereafter to be placed in effect by the Atomic Energy Commission, exclusive of any allowances for trucking or transportation charges to the mills, and exclusive of development allowances, but before the payment of any exploration, development, mining, supervisory or other costs, or, in the event markets become available for uranium-vanadium ores other than through the Atomic Energy Commission or its authorized agents, where prices are equal to or greater than those paid by the Atomic Energy Commission or its authorized agents, such net mill returns would be the amount received from any lawful purchaser of ores after the payment of trucking and all transportation charges to the place of purchase, milling or processing costs, if any, but before the payment of any exploration, development, mining, supervisory or other costs.

23. Upon violation of any covenant or covenants hereinabove reserved, this lease, at the option of the party of the first part, shall expire, and the party of the first part of its Agent, may thereupon, after 30 days due notice in writing to the party of the second part, addressed by registered mail to Salt Lake City, Utah, at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.C. Frawley, 522 Felt Building, Salt Lake City 1, Utah, and provided the deficiencies complained of have not been corrected within said period, enter upon said premises and dispossess all persons occupying the same, and the said party of the first part shall thereupon in case of cancellation, retain all considerations theretofore received by it as liquidated damages for non-performance.

In consideration of the true and faithful performance of the terms, covenants and conditions of the above lease by the party of the second part, the said party of the first part hereby grants unto the party of the second part an option exercisable at any time within six years from the date of this Agreement, unless this Agreement has been terminated earlier, to purchase the above described mines, mining claims and mining properties for the sum of $120,000. Such option to be exercised by sending notice by registered mail to the party of the first part at its principal place of business, presently 630 Fifth Avenue, New York 20, N.Y.

It is hereby understood and agreed between the parties hereto that all royalties on production paid under the terms of the foregoing lease shall apply and be credited upon the purchase price of this option, such application of credit to be applied on the payment next due, with any over-plus to be applied on the next succeeding payment or payments. The entire sum of $120,000. however, to be paid on or before six years from the date of this Agreement.

It is further mutually understood and agreed between the parties hereto that the said party of the first part, upon the receipt of $20,000.00, under the terms of this instrument, and a notice of the exercise of this option, shall make and execute a good and sufficient mining deed covering all of the right, title and interest of the party of the first part, and all interest to be acquired by it in the future, in and to the above described mines, mining claims and mining properties, in favor of the party of the second part, such deed to be placed in escrow with some Bank or Trust Company or other mutually agreeable escrow holder, with instructions to deliver the same to the party of the second part or its assigns upon full payment of the purchase price of said mines, mining claims and mining property, as hereinabove set out. In the event that subsequent to the delivery of the mining deed as aforesaid, the party of the second part shall fail to complete the purchase, or that this agreement shall be cancelled or terminated before the purchase price is entirely paid, the party of the second part will cause the escrow agent to return to the party of the first part the aforesaid mining deed.

It is further understood and agreed between the parties hereto that in the event of cancellation of the lease and option by the party of the first part, for non-performance on the part of the party of the second part, or, in the event the party of the second part chooses to relinquish its rights under said lease and option, the said party of the second part shall have 90 days within which to remove all of its mining equipment and machinery, not affixed to the freehold, from said mines, mining claims

and mining properties, but no timber shall be removed from underground, nor shall any ore bins be torn down and removed from the properties.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part fails to carry out or fails to comply with the terms, covenants and conditions of the option hereinabove set forth, or in the event the said party of the second part fails to comply with the terms, covenants and conditions of this lease above set forth, the said party of the first part may, at its option, after giving thirty days due notice in writing outlining the defalcations of the party of the second part, which said notice shall be addressed to the party of the second part at Salt Lake City, Utah, (at an address to be designated by the party of the second part when possession of said mining properties is obtained, or lacking such designation, addressed care of E.G. Frawley, 522 Felt Building, Salt Lake City 1, Utah) cancel said option and lease provided the deficiencies complained of have not been remedied within the thirty-day period, and in case of such cancellation, all considerations theretofore paid to the party of the first part shall be retained by it as liquidated damages for non-performance on the part of the party of the second part.

It is further mutually agreed and understood between the parties hereto that the lease and option set forth in this instrument are inseparable and that no interest of any kind or character in this instrument held by the party of the second part can be transferred or assigned without the consent in writing of the party of the first part.

It is further mutually understood and agreed between the parties hereto that in the event the party of the second part is declared or adjudicated to be bankrupt, or his assets placed in receivership by courts of competent jurisdiction, and such assets remain unreleased for more than sixty days, all interest of the party of the second part in and to the lease and option agreement herein described, shall be terminated, and thereafter shall be void and of no effect.

Each and every agreement and covenant of the foregoing lease and option shall extend to the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the party of the first part by and through its proper officers in their respective behalfs duly authorized by resolutions of its Board of Directors, this 28th day of April, 1950.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
President

ATTEST:

/s/ Alexander Pregel
Sec'y.

PARTY OF THE FIRST PART

/s/ L.R. WEEKS
L.R. Weeks

PARTY OF THE SECOND PART

STATE OF NEW YORK
ss.
COUNTY OF NEW YORK

On this 28th day of April, 1950, before me, the undersigned authority, personally appeared Boris Pregel and Alexander Pregel, president and secretary, respectively, of Canadian Radium and Uranium Corporation, the corporation subscribing to the foregoing instrument as Party of the First Part, and acknowledged to me that such Corporation executed the same freely and voluntarily for the uses and purposes therein set forth, through them as officers in its behalf duly authorized by resolution of the Board of Directors.

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

/s/ DAVID SCHAPIRO
NOTARY PUBLIC

My commission expires March 30, 1952

STATE OF UTAH
ss.
COUNTY OF SALT LAKE

On this 25th day of April, 1950, personally appeared before me L.R. WEEKS, the signer of the foregoing instrument, who duly acknowledged to me that he executed the same.

/s/
Notary Public
Residing at Salt Lake City, Utah

My commission expires: June 8, 1951

Filed for record 35563

this 16th day of May A.D. 1950

Recorded this 16th day of

May A.D. 1950

In Book Misc. 11, Page 302 to 306

Garfield County Records

/s/ Mildred Devel
Garfield County Recorder

1:30 P.M.

Exhibit A & B

Mining Lease not recorded.

EXHIBIT A

MINING LEASE

This Indenture Made this fifteenth day of April in the year of our Lord, one thousand nine hundred and forty-eight between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and Horace E. Ekker, Cornelius Ekker, Darys Ekker and Riter Ekker, hereinafter termed the LESSEES, parties of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEES to be kept and performed, has granted, demised and let, and by these presents does grant, demise and let unto the said LESSEES all the following described mining properties, situated on the east and southeast side of the Henry Mountains, and more particularly in the vicinity of Trachyte Ranch and Star Ranch, in the Trachyte Mining District, County of Garfield, State of Utah, to wit:

The following mining claims held by location:

Congress 1 to Congress 53 inclusive, totaling	53 claims
Congress Mill Site	1 claim
Minnie Pearl 1 to Minnie Paarl 5 inclusive, totaling	5 claims
Bell and Bell 1 to Bell 6, inclusive, totaling	7 claims
Slate Creek 1 to Slate Creek 3, inclusive, totaling	3 claims
Daisy June 1 to Daisy June 10, inclusive, totaling	10 claims
Eagle 1 to Eagle 4, inclusive, totaling	4 claims
Butler Wash	1 claim
Taylor Ridge	1 claim
Total number	85 claims

The above claims situated on the east and southeast side of the Henry Mountains.

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEES shall have no right to extend his or their workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, for the term of three (3) years from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or determined through the violation of any covenant or agreement hereafter against the said LESSEES reserved.

FIRST: In consideration of said lease, the Lessees do hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a workable mine, all

work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises before the first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims of the mining properties hereinbefore referred to.

3rd: To noty the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEES.

4th: To file in the office of the county recorder for Garfield County, on or before the first day of June in each year that this agreement is in effect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LESSEES to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEES, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining properties for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.

(3) Before LESSEES enter into a contract with a prospective sublessee, LESSEES to notify, in writing, the LESSOR of their intention, setting forth the specific portion of the properties to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times:

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.

(b) To take average samples from any ores awaiting shipment.

(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanic's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the15th day of each calendar month all indebtedness and liabilities incurred by the LESSEES, or any person or persons under or in privity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises, and if any lien be filed, or if any part of the payroll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, at its election declare a forfeiture of this lease as hereinafter provided; and from time to time keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to any of the LESSEES, agents, employees or representatives of the LESSEES in or upon the properties of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEES agree to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEES agree that if compensation insurance is not taken out by LESSEES as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of such insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEES.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEES may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship all ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to -wit:

1st: That the LESSOR reserves the property and rights of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEES shall pay seven and one-half (7½%) royalty on the net returns of all ores shipped from said properties. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the properties to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEES after royalty and cost of compensation insurance to LESSOR have been deducted and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y.

4th: The LESSEES do hereby covenant and agree that in case they fail to keep, fulfill or perform any agreement or covenant, expressed or implied, by them to be performed hereunder no matter what the same may be, then and in that event the term of this lease, shall at the option of the LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEES agree to

surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEES, which it shall be possible to remove without injury to the premises; and all dumps, ores and other mineral detached or broken from said premises, but still remaining therein, with all drifts, shafts, tunnels and other workings thoroughly clear of loose rock and rubbish, and drained, and the mine ready for immediate continued working (accidents not arising from negligence alone excusing) without demand or further notice; and should the LESSEES fail to do so, they may forthwith be evicted from said premises, forcibly or otherwise, with or without process of law.

5th: Upon the termination of this lease upon any of the conditions herein provided for, the said LESSOR shall have the option of purchasing all buildings erected upon said premises, together with all engines, machinery, hoisting apparatus and other appliances belonging to said LESSEES, and placed thereon and used in connection with said premises at a value to be fixed by three disinterested persons, to be selected in the manner usual in cases of arbitration.

6th: This agreement shall be binding upon and enforcible by and against the respective successors, heirs, executors, administrators or assigns of the parties hereto.

IN WITNESS WHEREOF the LESSOR has caused this instrument to be executed, and the LESSEES have hereunto set their hands and seals the day and year first above written.

CANADIAN RADIUM AND URANIUM CORPORATION

By /s/ Boris Pregel
Boris Pregel, President

ATTEST:

/s/ Alexander Pregel, Sec'y
LESSOR

/s/ Horace E. Ekker (Seal)
Horace E. Ekker

/s/ Cornelius Ekker (Seal)
Cornelius Ekker

/s/ Darys Ekker (Seal)
Darys Ekker

/s/ Riter Ekker (Seal)
Riter Ekker

LESSEES

EXHIBIT B

MINING LEASE

This Indenture made this fifteenth day of October, one thousand nine hundred and forty-eight (October 15, 1948) between the Canadian Radium and Uranium Corporation, hereinafter termed the LESSOR, party of the first part, and J.H. McELROY, hereinafter termed the LESSEE, party of the second part.

WITNESSETH, That the said LESSOR for and in consideration of the royalties hereinafter reserved, and the covenants and agreements hereinafter expressed, and by the said LESSEE to be kept and performed, has granted, demised, and let, and by these presents does grant, demise and let unto the said LESSEE all the following described mining property known as the Del Monte Group of Claims, situated in the Henry Mountain region, and more particularly approximately two miles northwest of Mount Ellsworth and six miles south of the old Star Ranch, County of Garfield, State of Utah, to-wit:

The following mining claims held by location:

Name of Claim	Recorded in Book	Page
Bell	8	454
Bell No. 1	8	454
Bell No. 2	8	454
Bell No. 3	8	455
Bell No. 4	8	455
Bell No. 5	8	455
Bell No. 6	8	455
Del Monte No. 1	10	44
Del Monte No. 2	10	44
Del Monte No. 3	10	45
Del Monte No. 4	10	45
Del Monte No. 5	10	46
Del Monte No. 6	10	46

(The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the LESSOR, and the LESSEE shall have no right to extend his workings beyond such vertical planes).

TO HAVE AND TO HOLD THE SAME, for the purpose of mining and for no other purpose, from the date hereof, expiring at noon on the 15th day of April, 1951, unless sooner forfeited or terminated through the violation of any covenant or agreement hereafter against the said LESSEE RESERVED.

However, if during the last three months of the term of this lease, namely, from the sixteenth day of January, 1951, to the fifteenth day of April, 1951, the LESSEE is employing at least two men continuously on development work or production work at the property, and if no other covenant or agreement hereinafter set forth is violated, this lease shall be extended for a further term of three (3) years, expiring at noon the 15th day of April, 1954, unless sooner forfeited as determined through the violation of any covenant or agreement hereafter against the said LESSEE reserved.

FIRST: In consideration of said lease, the LESSEE does hereby covenant and agree with the LESSOR as follows:

1st: To work and mine said premises, as aforesaid, in mine--fashion, in manner necessary and appropriate to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the same as a workable mine, all work to be subject at all times, to the approval of the authorized agent of the LESSOR.

2nd: To perform sufficient work or improvements upon said premises beforethe first day of June in each year that this agreement is in effect so as to meet the assessment work requirements for the unpatented claims hereinbefore referred to.

3rd: To notify the LESSOR in writing on or before the 15th day of April of each year that this agreement is in effect that such work referred to in the above paragraph (2nd) has been done, or is in process of being done, or will be done before the first day of June, following, and that said work, if not already commenced, will begin at such date that sufficient time will be allowed to complete same before the first day of June of the same year in which said notice is delivered to LESSOR. Failure to notify LESSOR in the above specified manner constitutes a forfeiture of this lease by LESSEE.

4th: To file in the office of the County Recorder for Garfield County, on or before the first day of June in each year that this agreement is in effect, an affidavit or affidavits of the person or persons who performed or directed the annual labor or improvement requirements, showing:

(1) The name of the claim or claims and where situated.
(2) The number of days' work done and the character and value of the improvements placed thereon.
(3) The date or dates of performing such labor and making such improvements, and number of cubic feet of earth or rock removed.
(4) At whose instance or request such work was done or improvements made.
(5) The actual amount paid for such labor and improvements, and by whom paid.
(6) That notices were posted at the discovery monument of each claim stating where such work was being done, and that notices were posted at the entrance of each workings where such work was done, stating the names of the claims for which the work was done.

Failure of LEESSEE to file such affidavit or affidavits on or before the first day of June in each year constitutes an immediate forfeiture of this lease by LESSEE, without further notice.

5th: To well and sufficiently timber said mine at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

6th: To allow said LESSOR and its agents upon and into all parts of said mining property for the purpose of inspection with use of all passages, ropes, windlass, ladderways, and all other means of ingress or egress for such purpose.

7th: To have the right to sublet specific portions of said premises to sublessees under the following conditions:

(1) That no portion of premises sublet to any one individual, or party of sublessees, will exceed more than two (2) claims.
(2) That the sublease will be subject to all terms of this lease and will incorporate the same clauses contained in this agreement pertaining to the working of the deposits contained by the premises.
(3) Before LESSEE enters into a contract with a prospective sublessee, LESSEE to notify, in writing, the LESSOR of his intention, setting forth the specific portion of the property to be sublet and the proposed terms of said sublease, and to agree to incorporate in said sublease, any and all terms requested by LESSOR.

8th: Not to allow any person not in privity with the parties hereto, to take or hold possession of said premises, or any part thereof, under any pretense whatever.

9th: To allow the LESSOR, its agents and representatives or any of them at all times:

(a) To enter and visit all parts of said premises and the workings thereof, for the purpose of inspecting and the taking of assay samples of ore or rock, either standing or broken down.
(b) To take average samples from any ores awaiting shipment.
(c) To have surveys made by the LESSOR's surveyor or surveyors of the workings whether under or above ground or both.

10th: To furnish to the LESSOR or to its duly authorized agents or representatives, or any of them full, true and accurate information in response to any request or inquiry with regard to the condition of such workings, or any part thereof, or the quality or character of the mineral therein.

11th: To keep the said premises and every part thereof at all times free and clear of any and all mechanics's or miner's liens, or other liens or encumbrances, and to settle and discharge on or before the 15th day of each calendar month all indebtedness and liabilities incurred by the lessee, or any person or persons under or in privity with them upon said premises, prior to the expiration of the preceding calendar month for work done, services rendered or materials furnished in respect to the said leased premises; and if any lien be filed, or if any part of the pay roll, or other mine indebtedness remain unpaid or exists as aforesaid, after the 15th day of each calendar month the LESSOR may, at its election, declare a forfeiture of this lease as hereinafter provided; and from time to time to keep posted at some conspicuous point on said leased premises and in the workings through which the same may be operated, such written notices as the LESSOR shall furnish to them for that purpose, to the effect that the LESSOR, or said leased premises, or the interest of the LESSOR therein, shall not be liable either by way of lien or otherwise, for any work done or materials furnished with respect thereof, or such other notice designed to protect the LESSOR or its interest in said property from liens, as the LESSOR may prescribe.

12th: To assume all responsibility in case of accident to the LESSEE, agents, employees or representatives of the LESSEE in or upon the property of the LESSOR, or to anyone in and upon the premises hereby leased.

13th: Said LESSEE agrees to forthwith take out and maintain reasonable and adequate compensation insurance and indemnity in a responsible company for the protection of themselves and their employees thereon, and in compliance with the statutes of the State of Utah in such case made and provided.

14th: Said LESSEE agrees that if compensation insurance is not taken out by LESSEE as above agreed, then LESSOR may carry compensation insurance as provided by the laws of the State of Utah, and it is understood that the cost of said insurance, if carried by LESSOR, will be deducted from the proceeds of the ores mined and sold by the LESSEE.

15th: At all times to keep, handle, ship or treat any and all ores and minerals extracted from the leased premises separate and apart from any other ores, minerals or materials of any character which the LESSEE may mine or extract from any other workings and which may not be a part of the said estate.

16th: To ship ore with reasonable diligence after mining with the right reserved to the LESSOR to take and remove all ores not so shipped with reasonable diligence and to apply the proceeds thereof under the terms of this lease.

17th: To pay all loss or expense resulting from shipment or treatment of ore which may not be of payable or salesable grade.

18th: To comply with all the requirements of the laws of the State of Utah.

SECOND: It is expressly understood and agreed by and between the parties as follows, to-wit:

1st: That the LESSOR reserves the property and right of property in and to all ores extracted from said premises, and all ores which are of too low grade for profitable shipment or treatment shall be kept upon the surface of the leased premises separate and apart from any ore or material arising from any source other than the leased premises, and subject to the control of the LESSOR.

2nd: LESSOR shall receive and LESSEE shall pay ten per cent (10%) royalty on the net returns of all ores shipped from said property. The words "net returns" as herein contained are taken and accepted to mean the net cash returns from purchaser after deducting the cost to LESSEE of transporting the ore from the property to the buyer, and charge for treatment and sampling, if any, and cost to LESSOR of compensation insurance, if any.

3rd: All ore extracted from said premises shall be identified by the name of the claim from which it was mined and settlements made to LESSEE after royalty and cost of compensation insurance to LESSOR have been deducted by the buyer and paid directly to the LESSOR at 630 Fifth Avenue, New York 20, N.Y. The LESSEE is to instruct the buyer to send by mail, to the LESSOR, a copy of all settlement sheets.

4th: The LESSEE does hereby covenant and agree that in case he fails to keep, fulfill or perform any agreement or covenant, expressed or implied, by him to be performed hereunder no matter what the same may be, then and in that event the term of this lease shall, at the option of the

LESSOR, expire and it shall be lawful for the LESSOR, its agent or attorney, to declare this lease void and of no effect thereafter, and with or without process of law to enter upon and take possession of said premises and dispossess all persons occupying the same; (provided that the failure to exercise the right of forfeiture in this paragraph contained shall never be construed to be a waiver thereof); and in such case, and also at the expiration of this lease by limitation the LESSEE agrees to surrender, yield up and deliver to the LESSOR, its successors or assigns, the quiet and peaceable possession and enjoyment of said premises and all buildings, machinery or other improvements thereon (except machinery and hoisting apparatus placed thereon by the LESSEE, which it shall be possible to remove without injury to the premises); and all dumps, ores and other mineral

UNITED STATES ATOMIC ENERGY COMMISSION

RMO-753

RECONNAISSANCE OF HENRY MOUNTAINS AREA WAYNE AND GARFIELD COUNTIES, UTAH

By
E. V. Reinhardt

April 5, 1951

Division of Raw Materials
Exploration Branch

Technical Information Service, Oak Ridge, Tennessee

METALLURGY AND CERAMICS

Reproduced direct from copy
as submitted to this office.

AEC,Oak Ridge,Tenn.,9-28-51--1000-W7025

CONTENTS

	Page
Introduction	1
Regional Geology	1
Description of Mining Districts in the Salt Wash Member of the Morrison Formation.	3
North Wash district	3
Trachyte district	4
Little Rockies district	5
Active operations, summarized	6
Transport routes.	6

ILLUSTRATIONS

Sketch geological map of the Henry Mountains structural basin	8

RECONNAISSANCE OF

HENRY MOUNTAINS AREA, WAYNE AND GARFIELD COUNTIES, UTAH

By E. V. Reinhardt

INTRODUCTION

A trip into the Henry Mountains area occupied the days from March 6 to 9, 1951, inclusive, excepting March 7, which was used to examine Reo Hunt's deposit in Poison Spring Wash.

Observations were made on stratigraphy, regional geology, and the locations of the known deposits of uranium and vanadium.

REGIONAL GEOLOGY

The following excerpt from Hunt[1] outlines the regional geology of the area:

> "The Henry Mountains are located in a structural basin that is one of the major folds of the Colorado Plateau. The basin is the antithesis of the adjoining Circle Cliffs Uplift and San Rafael Swell, being of the same size and form only inverted. The basin is sharply asymmetric and its trough is crowded against the steep west flank. The deepest part is 8,500 feet structurally lower than the neighboring uplifts.
>
> "Faults are uncommon except for a series of small, en echelon faults that cross the north tip of the basin. Two principal sets of joints trend respectively northeast and southeast.

---

[1] Hunt, Charles B., Guidebook to the Geology of Utah, No. 1, Utah Geological Society, Salt Lake City, Utah, 1946, p. 11.

"The structural basin was formed at the close of Upper Cretaceous or beginning of Eocene time, because the Eocene Wasatch formation lies undisturbed across part of the Waterpocket fold at Boulder Mountain and at Thousand Lake Mountain. The intrusions in the Henry Mountains are believed to be Middle Tertiary."

Tongue-like laccoliths are thrust out in many places from the central stocks of each of the mountain masses. Where the contacts of the sediments with the stocks are not obscured by the laccoliths, the sediments are abruptly upturned. The oldest formation observed on these contacts is Wingate, indicating that the stocks have cross-cut the sediments.

As indicated above, the regional dip is gently toward the west to the Waterpocket fold, where it is reversed strongly to the east. Therefore, although the eastern flank of the mountains is covered with the Morrison formation, the western side is covered in greater part with Mancos and Mesa Verde, eliminating it as an area to be searched for uranium ores.

The fringe of Morrison formations east of the mountains averages 3 miles wide. East of this fringe, older formations are exposed in the following order: Summerville, Entrada, Carmel, Navajo, Kayenta, Wingate, Chinle, Shinarump, and Moenkopi. The Shinarump and upper Moenkopi formations are found fringing the lower parts of the canyons running into the canyon of the Colorado River 15 to 20 miles east of the Henry Mountains.

The areas likely to contain uranium-bearing ore are thus confined to a strip about 3 miles wide by 25 miles long bordering the Henry Mountains on the east and extending, on their southern end,

slightly onto the western side, and to a thin sinuous band of Shinarump-Moenkopi bordering the canyon walls about 18 miles east of the mountain group.

DESCRIPTION OF MINING DISTRICTS IN THE SALT WASH MEMBER OF THE MORRISON FORMATION

North Wash district.

Of the mining districts in the Henry Mountains area, the most northerly, extending from a line 10 miles south of Hanksville to a line 27 miles south of Hanksville, has been named the North Wash district for North Wash, by which most of it is drained. About 4 of these 17 miles are serviced by roads. North of the North Wash district, the Morrison formation shown on the map is only the basal shale member, the ore-bearing sandstone having been removed by erosion.

Three orebodies were observed in the North Wash district. One, owned by Vanadium Corporation of America and operated by Kay Hunt, lies at depths varying up to 10 feet and has been opened by 15 to 20 pits, indicating dimensions of about 1500 feet in an east-west direction by 250 feet north-south. It may be significant that the long axis lies at right angles to the mountain group. The ore varies in thickness from a few inches to 1.5 foot but is of good grade.

The second orebody has recently been opened by S. Y. Guthrie and associates. As no mining has been done, no statement can be made about thickness, but the grade of the exposures is good. Bulldozer cuts and ore reported in jackhammer holes indicate an east-west trend.

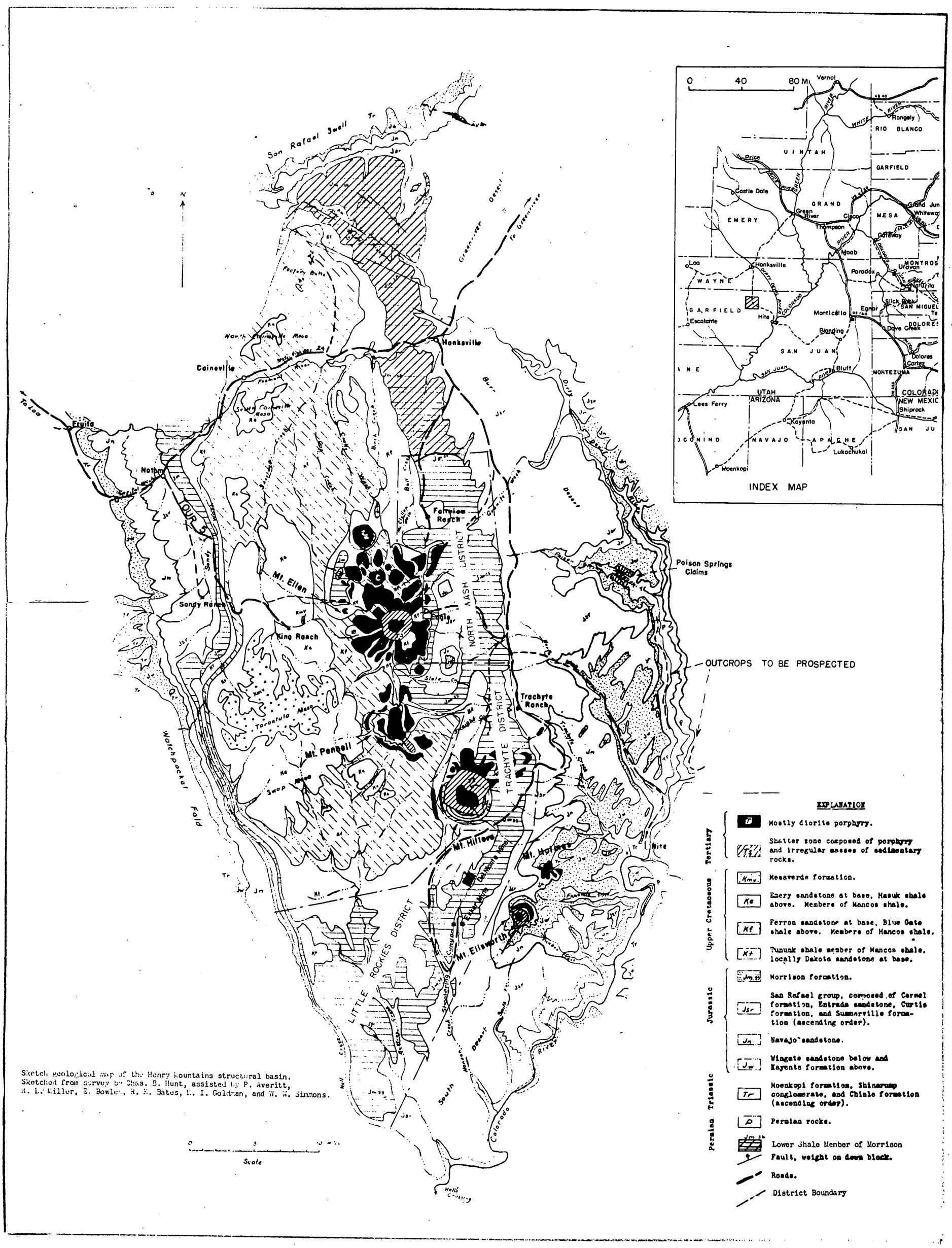
North of this exposure 3/4 of a mile, another deposit of good grade, varying from 6 inches to 1 foot thick and occupying a channel 60 feet wide, has been opened on a canyon wall. Behind the canyon to the east, it has been exposed at intervals for 500 feet in bulldozer cuts which have stripped off the overburden to the ore without disclosing its thickness.

Many other deposits without roads or development were reported by Daryl Ekker and Reo Hunt, both of Hanksville.

Trachyte district.

This is a southward continuation of North Wash and is serviced by two roads, one going up Trachyte Creek past Farmer's Knob, a hill 1/4 miles in diameter, and the other passing between Mt. Hillers and Mt. Holmes, about 6 miles south of Trachyte Creek. Daryl Ekker, on lease from Vanadium Corporation of America, is working on Farmer's Knob on an orebody 2 feet thick and of excellent grade. Sixteen per cent of the ore horizon on Farmer's Knob shows ore or mineralization. Westward, across Trachyte Creek, another Salt Wash point is similarly mineralized for 600 feet; and, following the assumed westerly trend across this hill, mineralization was found on the opposite side and again on the hill across the next canyon. Apparently there are two parallel trends some 1200 feet apart. The work now being done by Ekker has entered 75 feet into Farmer's Knob, the deepest penetration thus far accomplished on any rim in the area.

Six miles south of Trachyte Creek, the main road starts to climb over a pass between Mt. Hillers and Mt. Holmes. Two miles east of the pass, a sput 1/2 mile long turns northwest, leading to a group



Sketch geological map of the Henry Mountains structural basin.
Sketched from survey by Chas. B. Hunt, assisted by P. Averitt, R. L. Miller, E. Bowles, R. E. Bates, L. I. Goldman, and W. W. Simmons.

END OF DOCUMENT

had to run 1% U_3O_8 before he could afford to mine and ship; now it must run 0.30 to 0.50% U_3O_8. Especially at Farmer's Knob, black ore a few inches to 2 feet thick is associated with a limonite-stained sandstone sparsely flecked with carnotite about 6 feet thick. Ekker says this material will run 0.10% U_3O_8 and, if broken with the high-grade, will make a product running 0.20 to 0.25% U_3O_8.

of mines where ore of good thickness and apparently of good grade is exposed in cuts. No work is being done nor is there any evidence that any work has been done for many months. The six miles of Salt Wash between the two groups of mines in the Trachyte district are without roads and remain unknown. Ore is reported by the local residents.

Little Rockies district.

Mt. Holmes and Mt. Ellsworth, the two most southeasterly peaks of the Henry Mountains group, are situated farther east in relation to the depression than the remainder of the chain. Therefore, the Salt Wash has been eroded from their eastern sides, but on the western side a band about 3 miles wide is exposed, which then dips under a cover of Dakota and Mancos.

About 5 miles southwest of the mountain pass lies the Del Monte group. Here mineralization has been exposed on rims and in pits over about one square mile. The ore is of good grade but occurs in such small, thin pockets that it does not appear to hold much interest.

Three miles south of the Del Monte is the Ekker group. As no direct road connects the two properties, one must return to the main road from the Del Monte, follow it westward for 10 miles to the head of Hanson Creek, go down Hanson Creek to a fork branching to the north and continue up this fork, known as Shootering Canyon, for 5 miles to arrive at the Ekker mine. The ore here is fairly consistent over a length of 450 feet, shows on both sides of the canyon in an east-west direction, varies in thickness from 1 inch to 4 feet, and is of unusually good grade. The canyon walls are vertical and access

was gained to the eastern side by going hand-over-hand up a rope. The western side is not being operated. It lies at a lower elevation and is accessible in places on talus slopes. Since the canyon walls are too steep and high to permit drilling, any exploration must be conducted by drifts. No other deposits are known in the vicinity. The Salt Wash formation extends around the southern edge of Mt. Ellsworth and has not been explored. The best way to discover additional ore in the rims in this area would be to fly them with a scintillometer.

Active operations, summarized.

1. S. Y. Guthrie is conducting exploration for large orebodies which can be mined with mechanical shovels or otherwise in the North Wash district. One truckload, shipped in March, 1951, to Monticello, assayed 0.63% U_3O_8, 1.43% V_2O_5, and 3.7% $CaCO_3$. To July 31, total shipments amounted to over 380 tons.

2. Kay Hunt and partner, leasing from Vanadium Corporation of America, are mining high-grade and producing 10 tons a month in the North Wash district.

3. Daryl Ekker and partner are mining high-grade in the Trachyte district with production of 10 tons a month.

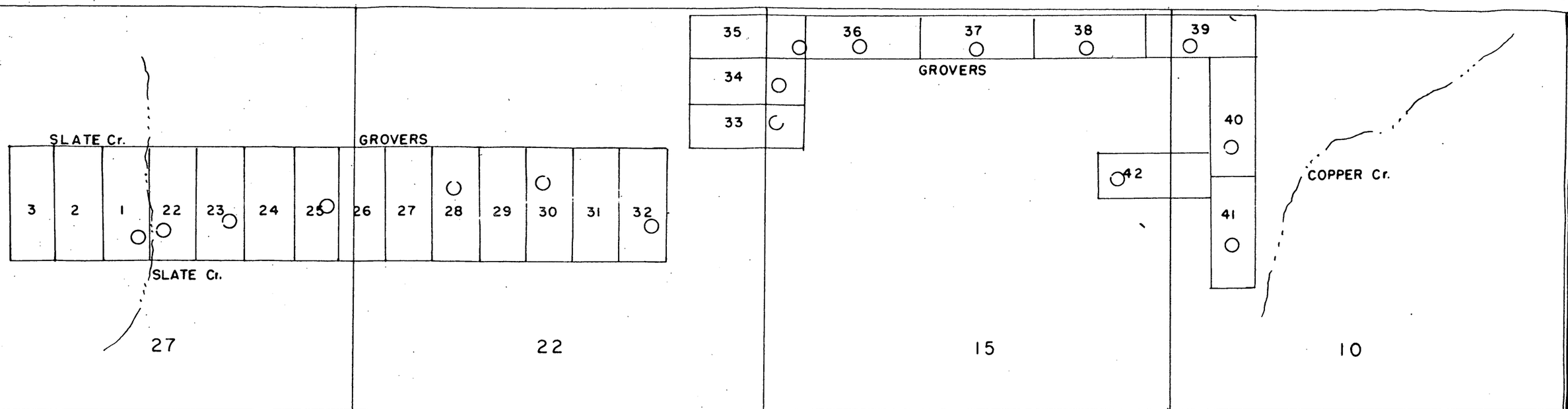
4. An unknown lessee (absent at the time of the visit) is operating in Shootering Canyon and producing a few tons a month.

Transport routes.

The area is producing only 25 to 30 tons a month, by reason of the long distance to market, the two nearest outlets being Monticello, from 200 to 250 miles away, and, recently, Marysvale, almost as far over rough roads. Until prices were raised, Ekker stated that his ore

Grandview Mines
310 Radio Central Bldg
Spokane 4, Wash.

DMA Exploration Loan Application



HENRY MOUNTAIN AREA

Garfield Co. UTAH

SLATE Cr. & GROVER GROUP of MINING CLAIMS

L.R. WEEKS OWNER

S.Y. GUTHRIE & ASSOCIATES, LESSEE

UNSURVEYED— When surveyed will be sec. 27, 22, 15, 10, — Twp 32 S R 11 E

Grovers 16 holes core
Slate Cr 1"

Survey by
E. Volgamore
H. Ekker

Date
April—16, 1952

Scale 1" = 1320

APPPOXMIATE DRILLING LOCATIONS

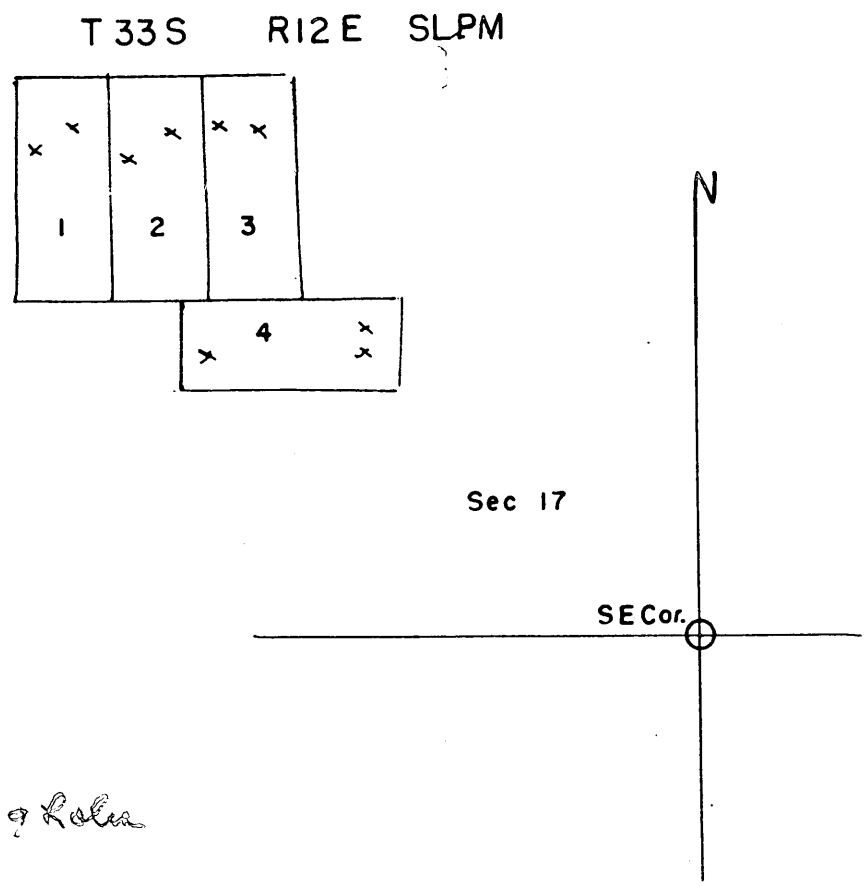
○ CORE DRILL 6000'

12

BLACK MOUNTAIN MINING CLAIMS

HENRY MOUNTAIN AREA
GARFIELD Co. UTAH

Scale 1"=1320'



L.R.WEEKS Owner.

S.Y. GUTHRIE & ASSOCIATES
Operator

APPROXIMATE DRILLING LOCATIONS

WAGON DRILL 2000'

DEL MONTE MINING CLAIMS

HENRY MOUNTAIN AREA

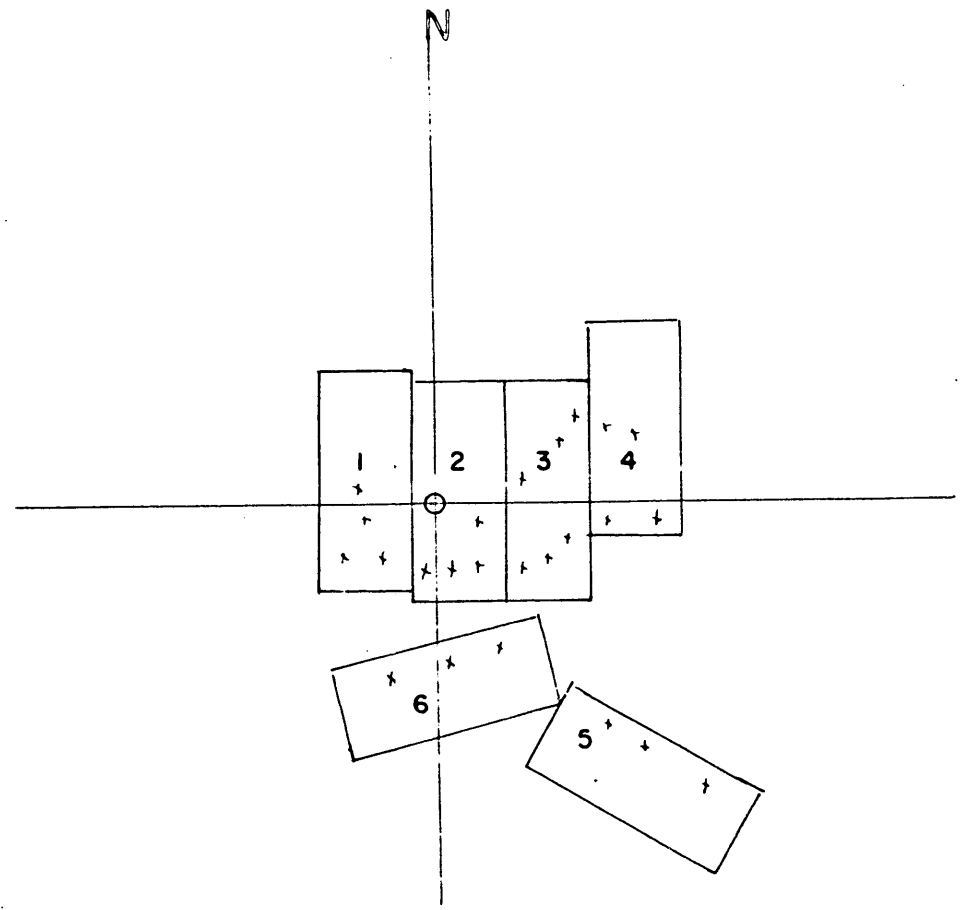
GARFIELD Co. UTAH

UNSURVYED— APPROX 4 miles SOUTH of

STAR RANCH. WHEN SURVYED WILL BE IN

T 35 S R 11 E Sec. 1. 2. 11. 12 SLPM

Scale 1" = 1320'



C.R.U. Co. Owner

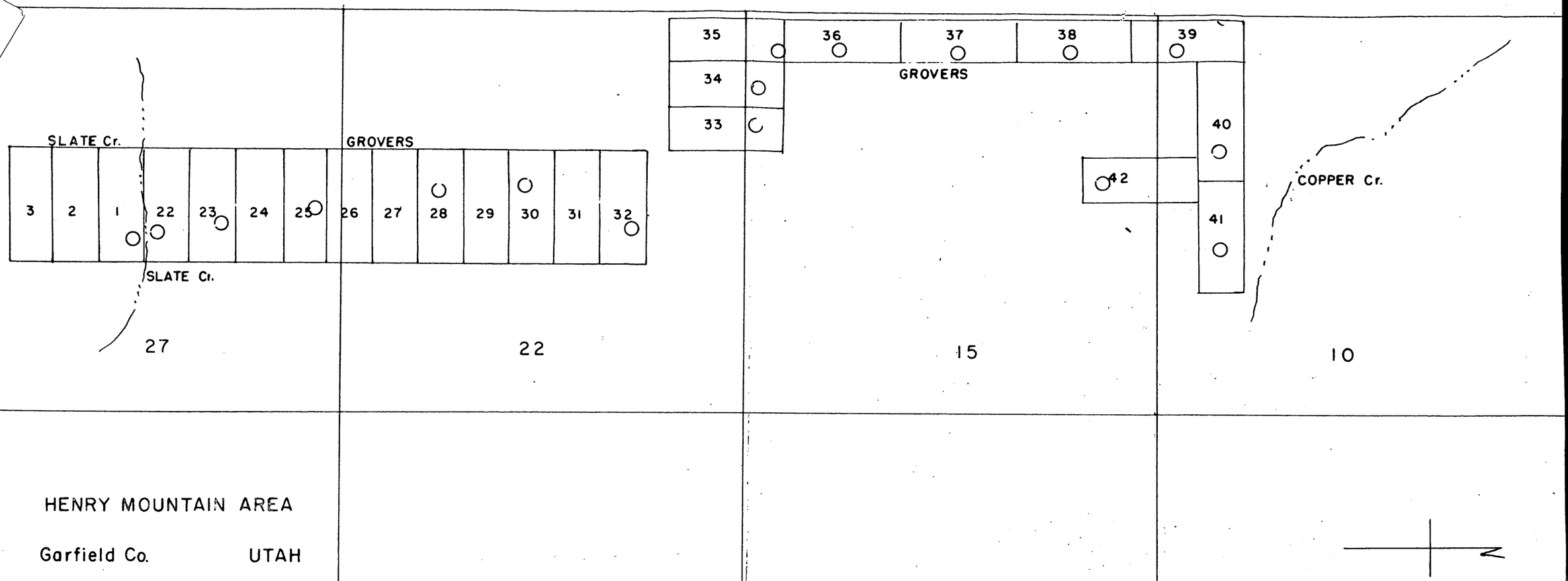
S.Y.GUTHRIE & ASSOCIATES

Operator

APPROXIMATE LOCATIONS DRILL HOLES

X WAGON DRILL 5000'

2 4" holes



HENRY MOUNTAIN AREA

Garfield Co. UTAH

SLATE Cr. & GROVER GROUP of MINING CLAIMS

L.R. WEEKS OWNER

S.Y. GUTHRIE & ASSOCIATES, LESSEE

UNSURVEYED— When surveyed will be sec. 27, 22, 15, 10.— Twp 32S R11E

Survey by
E. Volgamore
H. Ekker

Date
April—16, 1952

Scale 1" = 1320

APPPOXMIATE DRILLING LOCATIONS

○ CORE DRILL 6000'

DEL MONTE MINING CLAIMS

HENRY MOUNTAIN AREA

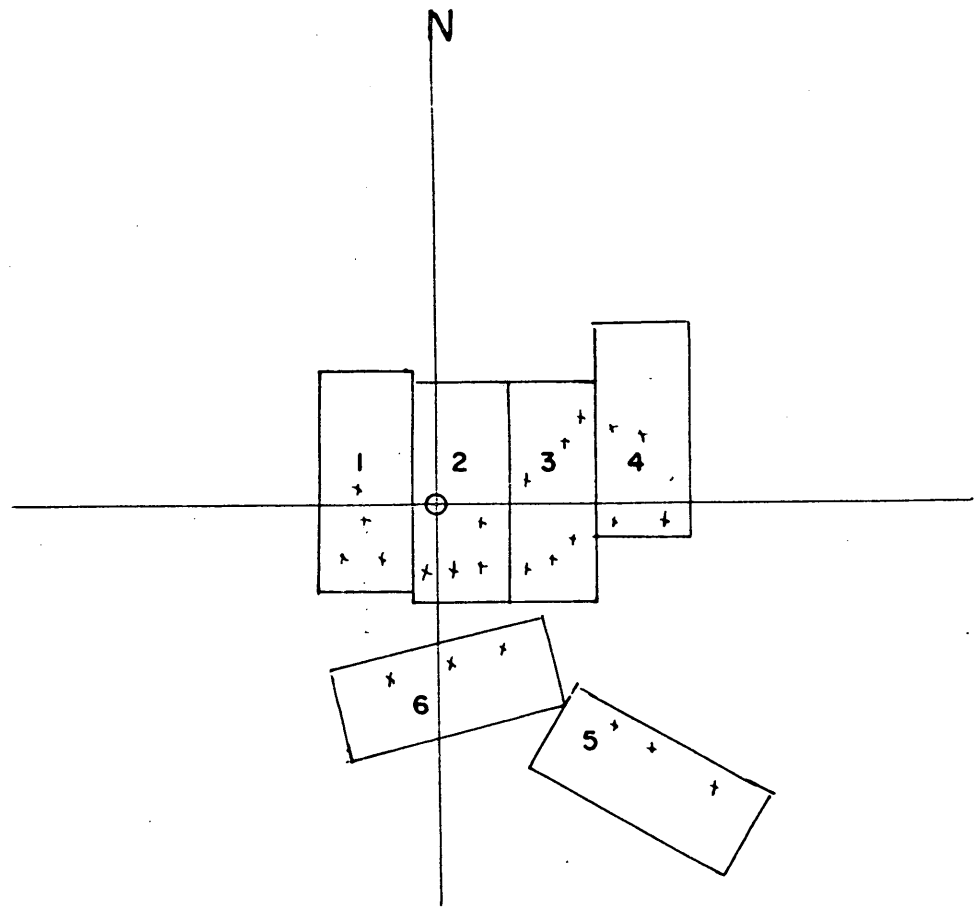
GARFIELD Co. UTAH

UNSURVYED— APPROX 4 miles SOUTH of

STAR RANCH. WHEN SURVYED WILL BE IN

T 35S R11E Sec.1.2.11.12 SLPM

Scale 1" = 1320'



C.R.U. Co. Owner

S.Y.GUTHRIE & ASSOCIATES

Operator

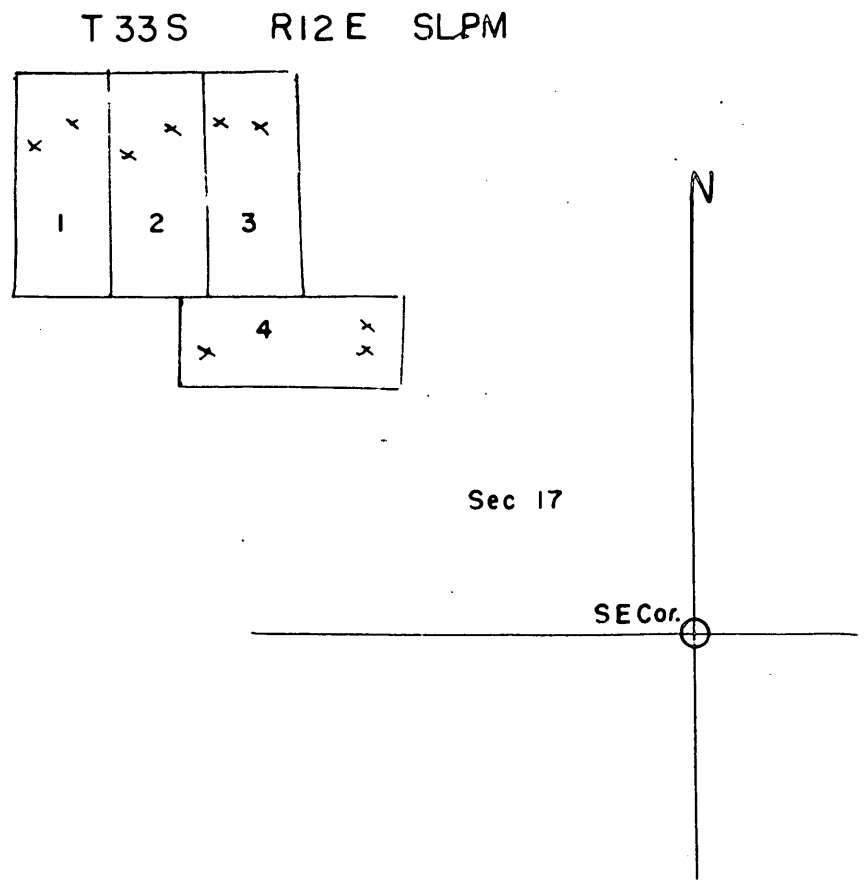
APPROXIMATE LOCATIONS DRILL HOLES

X WAGON DRILL 5000'

BLACK MOUNTAIN MINING CLAIMS

HENRY MOUNTAIN AREA

GARFIELD Co. UTAH



Scale 1" = 1320'

L.R. WEEKS Owner.

S.Y. GUTHRIE & ASSOCIATES

Operator

APPROXIMATE DRILLING LOCATIONS

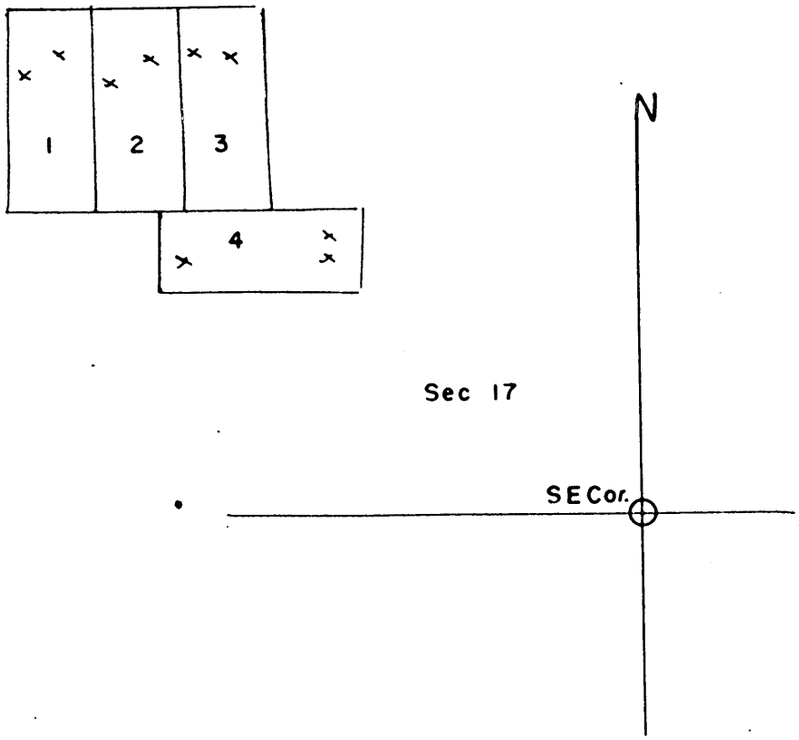
WAGON DRILL 2000'

BLACK MOUNTAIN MINING CLAIMS

HENRY MOUNTAIN AREA

GARFIELD Co. UTAH

T 33 S R 12 E SLPM



Scale 1" = 1320'

L.R.WEEKS Owner.

S.Y. GUTHRIE & ASSOCIATES

Operator

APPROXIMATE DRILLING LOCATIONS

WAGON DRILL 2000'

DEL MONTE MINING CLAIMS

HENRY MOUNTAIN AREA

GARFIELD Co. UTAH

UNSURVYED— APPROX 4 miles SOUTH of

STAR RANCH. WHEN SURVYED WILL BE IN

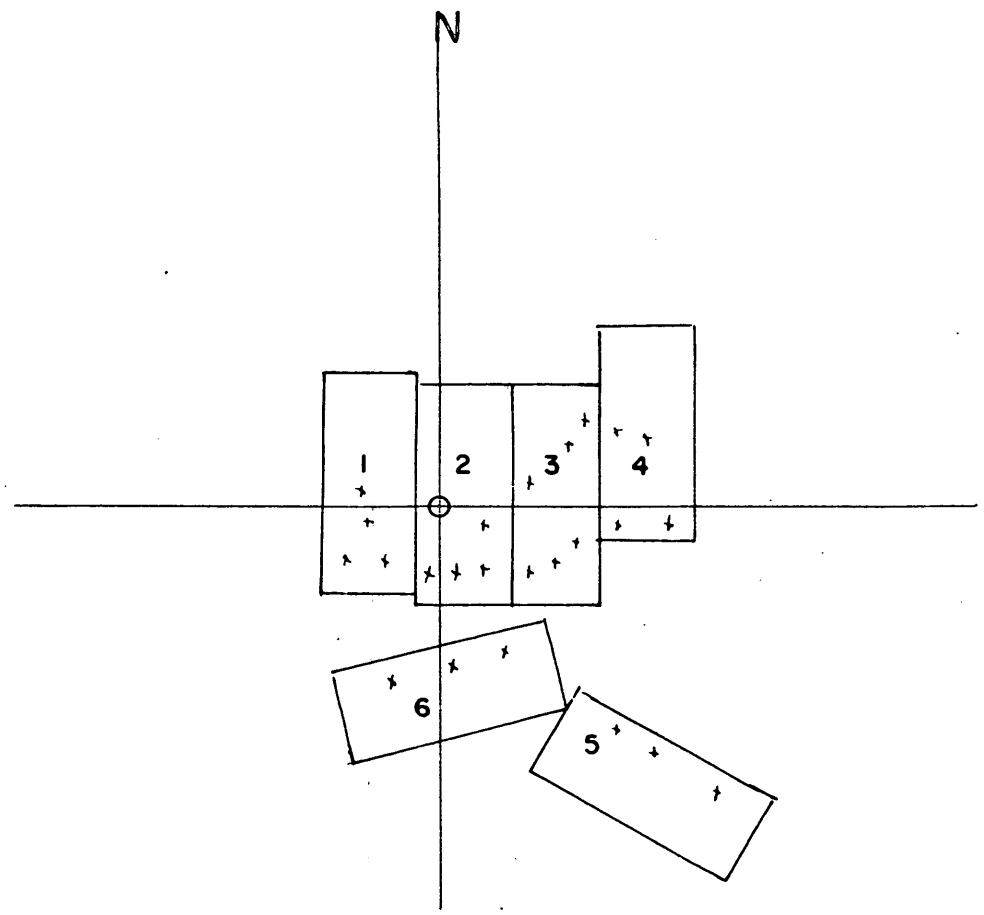
T 35 S R 11 E Sec. 1. 2. 11. 12 SLPM

Scale 1" = 1320'

C.R.U. Co. Owner

S.Y.GUTHRIE & ASSOCIATES

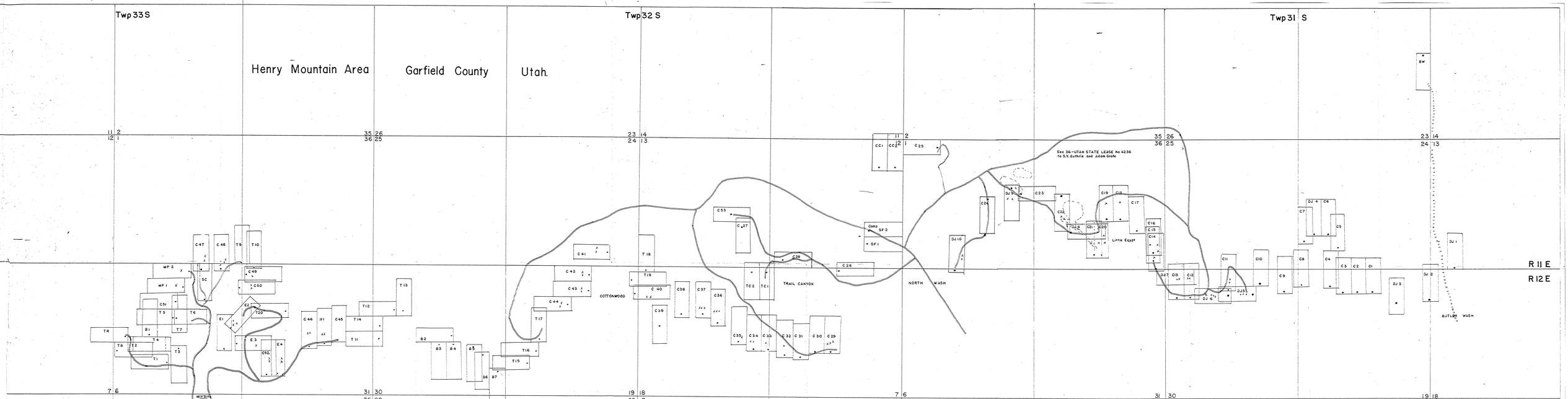
Operator



APPROXIMATE LOCATIONS DRILL HOLES

X WAGON DRILL 5000'

Henry Mountain Area Garfield County Utah.



THIS PLAT CONFORMS TO RECORDED LOCATION CERTIFICATES AND TO THE MONUMENTS ON THE GROUND.

A.J. Watson
A.J. WATSON — REG. ENGINEER

CLAIM ABBREVIATIONS		OWNERSHIP
B	BLITZ	V.C.A.
BW	BUTLER WASH	C.R.U.
DJ	DAISY JUNE	C.R.U.
C	CONGRESS	C.R.U.
E	EAGLE	C.R.U.
MP	MINNIE PEARL	C.R.U.
N	NAVAJO	S.Y. GUTHRIE
SC	STRAIGHT CREEK	V.C.A.
T	TRACHYTE	V.C.A.
TR	TAYLOR RIDGE	C.R.U.
TC	TRAIL CANYON	HORACE EKKER
CC	COPPER CREEK	HORACE EKKER
SF	SOUTH FORK	L.R. WEEKS
Sec 36		S.Y. GUTHRIE

LEGEND

LOCATION MONUMENTS

RED — V.C.A.
BLUE — S.Y. GUTHRIE
BROWN — HORACE EKKER
WHITE — C.R.U.

SCALE 1" = 1000'

JAN. 10 - 1952

APPROXIMATE LOCATIONS	DRILL HOLES
X WAGON DRILL	20,000'

S.Y. Guthrie & Associates. Grand Junction, Colo.

Operator of

CONGRESS - DAISY JUNE - EAGLE - MINNIE PEARL - NAVAJO - TAYLOR RIDGE - TRAIL CANYON - BUTLER WASH, CLAIMS.

Analysis of Production Record of Uranium and Vanadium Ores

Henry Mountain District. Utah.

From Properties Operated by S.Y. Guthrie & Associates —— For Period, April 1951. to November 1951. to April 15, 1952

Compiled by Fred Hill.

Date Shipped	Liqidation No.	A E C Lic. No.	Date of Liquidation	Value Liquidation	Wet Tons	Dry Tons	% H_2O	V_2O_5 Pounds	V_2O_5 %	V_2O_5 Value	U_3O_8 Pounds	U_3O_8 %	U_3O_8 Value	4 lb Premium	10 lb Premium	Development Allowance	Haulage Allowance	Actual Haul Cost	Bonus lbs	Bonus Value	SY 36	Cong 29	Cong 5	Cong 9	Cong 10	Cong 27	Cong 28	Cong 53	M. P. 1	Eagle 2	Eagle 3	T.C. 1	Navajo 1
3/16-19	M-1992	P-451	4/4	1181.60	15.590	15.0825	3.26	663.63	2.20	205.73	193.06	.64	675.70	99.54	10.56	96.53	93.54	155.90	193.06	675.01	193.06												
4/3-9	M-2045	P-451	4/23	748.41	22.535	21.7095	3.66	508.00	1.17	157.48	117.23	.27	410.31	22.79		58.62	135.21	270.42	117.23	410.31	117.23												
4/11-16	M-2060	P-451	5/8	1795.08	22.450	21.5415	4.05	943.52	2.19	292.49	297.27	.69	1040.46	158.33	20.46	148.64	134.70	268.40	297.27	1040.45					297.27								
4/29 5/1	M-2121	P-451	5/21	2070.14	40.405	38.4440	4.85	1314.78	1.71	336.08	338.31	.44	1184.08	138.40		169.15	242.43	484.86	338.31	1184.09				338.31									
5/10-20	M-2151	P770	6/14	2340.35	31.525	30.6125	2.89	1261.24	2.06	390.98	385.72	.63	1350.01	197.45	19.90	192.86	189.15	378.30	385.72	1350.02				385.72									
5/28-31	M-2190	P 770	6/15	1762.40	26.555	25.830	2.73	1296.67	2.51	401.97	268.63	.52	940.22	123.98	2.58	134.32	159.33	318.66	268.63	940.21				268.63									
6/11-15	M-2218	P 770	6/28	1653.21	27.995	26.733	4.51	1117.44	2.09	346.41	256.64	.48	898.23	112.28		128.32	167.97	335.94	256.64	898.24						96.00	107.00	53.64					
6/17-31	M-2060	P 770	7/9	4776.82	99.665	94.913	4.80	3488.18	1.84	1081.34	712.04	.38	2492.14	249.30		356.02	598.02	797.32	712.04	2492.14		575.10	136.94										
7/4-13	T-2109	P 770	8/10	735.35	22.780	21.9569	3.60	808.35	1.84	250.59	87.02	.20	304.57			43.51	136.68	182.24	87.02	304.57		87.02											
7/16-20	T-2166	P 770	8/13	2396.47	59.590	57.3887	3.70	1791.50	1.56	555.38	348.57	.30	1220.00	89.26		174.29	357.54	476.72	348.57	1219.99		348.57											
7/28	T-2167	P 896	8/15	405.33	8.75	8.3738	4.30	346.67	2.07	107.47	56.94	.34	199.29	17.60		28.47	52.50	70.00	56.94	199.29		56.94											
7/30 8/15	T-2185	P 896	8/24	592.00	14.270	13.742	3.70	502.95	1.83	155.91	82.46	.30	288.61	20.63		41.23	85.62	114.16	82.46	288.61		86.46											
8/16-29	T-2296	P 770	10/29	9203.33	218.120	206.6882	5.30	7309.96	1.77	2266.09	315.48	.32	4604.18	366.60		657.74	1308.72	1744.96	1315.48	4604.18	133.17	1106.18								76.13			
9/10-12	T-2423	P 770	10/6	2547.25	59.49	57.4703	3.40	1734.42	1.51	537.67	384.22	.33	1344.77	115.76		192.11	356.94	475.92	384.22	1344.77	205.45	178.77											
9/13-15	T-2414	P 770	10/6	3681.66	95.005	91.9466	3.20	3533.61	1.92	1095.42	482.53	.26	1688.86	86.05		241.27	570.06	760.04	482.53	1688.85	44.38	271.04								167.11			
9/16-28	T 2413	P 770	10/6	5032.63	114.400	109.5567	4.20	2828.83	1.29	876.94	799.57	.36	2798.50	271.00		399.79	686.40	915.20	799.57	2798.49	90.35	709.22											
9/29 10/15	T 2470	P 770	10/29	8546.07	185.605	176.6803	4.80	6627.99	1.88	2054.68	1243.74	.35	4353.09	402.77		621.87	1113.66	1484.84	1243.74	4353.09	414.83	657.00											171.91
10/16-29	T 2471	P 896	11/6	540.24	5.295	4.9826	5.90	297.96	2.99	92.37	88.69	.89	310.42	51.85	9.72	44.35	31.80	42.36	88.69	310.41												88.69	
10/17	T 2505	P 896	11/6	1859.61	23.910	22.5143	5.80	978.56	2.17	303.35	307.32	.68	1075.62	162.96	20.56	153.66	143.46	191.28	307.32	1075.62	307.32												
10/16-29	T 2506	P 770	11/6	3071.47	67.750	65.1968	3.80	2465.49	1.89	764.30	441.32	.34	1544.62	135.39		220.66	406.50	542.00	441.32	1544.62		365.08							38.80	37.44			
10/29 11/15	T 2565	P 770	11/26	3898.76	97.825	93.5701	4.30	3629.63	1.94	1125.19	519.43	.28	1818.01	108.86		259.72	586.98	782.60	519.43	1818.01	91.03	217.31							77.50		133.59		
11/16-25	T-2626	P-770	12/7,51	3169.84	128.165	122.00	4.80	3363.83	1.38	1042.79	524.85	22	1836.98	27.64		262.43		171.59	524.85	1836.98	524.85												
11/29-15	T-2666	P-770	12,27,51	3055.37	166.720	156.28	6.30	2752.75	.88	853.35	579.48	.19	1912.28			289.74		291.76	579.48	1912.28	387.85							64.84					
11/29-15	T-2729	P-770	1,24,52	1478.34	117.600	111.57	5.10	1454.70	.65	450.96	342.46	.15	856.15			171.23		205.82	342.46	856.15													
1/1-15	T-2730	P-896	1,24,52	3013.38	144.125	136.25	5.50	2003.99	.74	621.24	589.66	.22	2063.81	33.50		294.83		158.55	589.66	2063.81													
1/16-29	T-2787	P-896	2, 6, 52	899.77	21.560	19.71	8.60	796.47	2.02	246.91	149.89	.38	524.62	53.29		74.95		12.39	149.89	524.62													
1/16-29	T-2788	P-896	2, 7, 52	1614.18	22.460	20.22	10.00	646.21	1.60	200.33	305.01	.75	1067.54	168.10	25.70	152.51			305.01	1067.54	305.00												
1/29-27	T-2880	P-896	3, 6, 52	2521.99	70.720	66.12	6.50	2398.49	1.81	743.53	416.17	.31	1456.60	113.77		208.09			416.17	1456.60													
1/29-27	T-2881	P-896	3, 6, 52	892.44	97.500	92.38	5.30	1650.08	.89	511.52	190.46	.10	285.69			95.23		170.63	190.46	285.69													
1/29-27	T-2883	P-896	3,6,52	947.81	47.165	44.31	6.00	711.32	.80	220.51	181.10	.20	633.85	2.90		90.55		82.46	181.10	633.85	181.10												
2/16-27	T-2884	P-896	3,6,52	445.63	14.280	13.18	7.70	474.50	1.80	147.10	71.17	.27	249.10	13.84		35.59		24.99	71.17	249.10	71.17												
2/28-15	T-2907	P-896	3,26,52	916.90	23.395	21.89	6.4	946.55	2.16	293.43	147.90	.34	517.65	45.26		73.95		13.99	147.90	517.65													
2/28-15	T-2915	P-896	3,26,52	502.10	23.110	21.51	6.6	566.41	1.36	181.77	118.31	.28	416.19	24.65		59.46		26.32	118.91	416.19	118.91												
3/16-29	T-2930	P-896	4, 3, 52	344.81	16.680	15.78	5.4	435.54	1.38	135.02	67.85	.22	237.48	3.55		33.93		29.19	67.85	237.48	67.85												
3/16-29	T-2931	P-896	4, 3, 52	505.48	16.365	15.42	5.8	477.92	1.55	148.16	87.95	.29	307.83	19.70		43.98			87.95	307.83	87.95												
3/16-29	T-2937	P-896	4, 4, 52	567.99	17.255	16.26	5.8	837.46	2.58	259.61	81.55	.25	285.43	12.38		40.78			81.55	285.43										81.55			
3/19	T-2939	P-896	4, 4, 52	224.24	7.720	7.23	6.3	163.48	1.13	50.68	47.74	.33	167.09	14.12		23.87			47.74	167.09													47.74
3/16-29	T-2956	P-896	4, 5, 52	988.99	23.570	22.28	5.5	878.57	1.97	272.36	164.94	.37	577.29	56.87		82.47			164.94	577.29	164.94												
3/16-29	T-2957	P-896	4, 5, 52	772.83	15.090	13.95	7.6	655.04	2.35	203.06	136.24	.49	476.84	60.33		68.12			136.24	476.84											136.24		
3/16-29	T-2963	P-896	4, 7, 52	108.32	22.050	20.04	9.0	100.25	.25	31.08	48.23	.12	91.64			24.12			48.23	91.64													48.23
3/30-15	T-2973	P-896	4,24,52	685.52	16.945	15.91	6.1	445.38	1.40	138.07	125.30	.39	438.55	46.25		62.65			125.30	438.55	125.30												
3/30-15	T-2974	P-896	4,24,52	112.12	39.865	37.07	7.0	802.62	1.08	248.81	237.52	.32	831.32	66.93		118.76		14.70	237.52	831.32											52.59		110.28		74.65
3/30-15	T-3004	P-896	4,25,52	868.48	25.530	24.15	5.4	1355.95	2.81	420.34	115.86	.24	405.51	14.45		57.93		29.75	115.86	405.51										115.86					
3/30-15	T-3005	P-896	4,24,52	304.43	23.565	22.41	4.9	462.66	1.03	143.42	71.89	.16	194.10			35.95		41.25	71.89	194.10	71.89												
		TOTAL		80909.14	2360.945	2240.85		67849.59		20961.89	13508.32		46375.23	3708.06	109.48	6764.25	7557.21	12065.51	13508.32	46375.23	3703.63	4654.69	136.94	992.66	297.27	96.00	107.00	118.48	116.30	478.09	412.25	88.69	362.37	158.51

Date Shipped	Cong 24	Cong 12	Cong 25	Cong 45	Cong 52	D. J. 9	D.J. 7	D.J. 6	D.J. 10	D.J. 1
3/16-19										
4/3-9										
4/11-16										
4/29 5/1										
5/10-20										
5/28-31										
6/11-15										
6/17-31										
7/4-13										
7/16-20										
7/28										
7/30 8/15										
8/16-29										
9/10-12										
9/13-15										
9/16-28										
9/29 10/15										
10/16-29										
10/17										
10/16-29										
10/29 11/15										
11/16-25										
11/29-15										
11/29-15		40.45	31.77				270.24			
1/1-15		218.31					371.32			
1/16-29		83.41		14.44				52.04		
1/16-29										
1/29-27		223.38		25.23						
1/29-27								115.04		
1/29-27										
2/16-27										
2/28-15					46.46			64.13		
2/28-15										
3/16-29										
3/16-29										
3/16-29										
3/19									47.74	
3/16-29										
3/16-29										
3/16-29										
3/30-15										
3/30-15										
3/30-15										
3/30-15										
TOTAL	48.23	565.55	106.42	39.67	46.46	127.61	641.56	231.21	47.74	

La Plaz Mining Claims West Gateway District --- Ward Bros. Owners

Date	Wet Tons	H O	Dry Weight	Assay U3 08	Assay V2 05	Lbs U3 08	Lbs V2 05
1-1-51	4.325	3.5	4.173	.28	1.40	23.37	116.86

U3 08 Payment 23.37 lbs at 2.00 46.74

Dev. Allowance 23.37 lbs at .50 11.69

Prem. Excess 6.67 lbs at .25 1.67

Total Uranium Payment 60.10

V2 05 Payment 116.86 lbs at 36.23

Haulage Allowance 36.37

Total Payment by U.S.V. 132.70

Shipments by Owners

Date	Wet Tons	H2O	Dry Weight	Assay U308	Assay V2 05	lbs. U308	lbs. V2 05
2-28-51	33.765	52%	32.008	.30	1.28	192.05	819.42

U308 Payment 192.05 lbs at 2.00 384.10

Dev. Allowace 192.05 lbs at .50 96.03

Prem. excess 64.01 lbs at .25 16.00

Total Uranium Payment 496.13

Haulage Allowance 7.416 per wet ton 250.40

V2 05 Payment 819.42 lbs. at .31 254.02

Total Payment by Climax Uramium Co. 1000.55

Date	Wet Tons	H O	Dry Weight	Assay U3 08	Assay V2 05	Lbs U3 08	Lbs V2 05
3-1-15-51	43.225	4.4	41.20	.34	1.19	280.16	980.57

U3 08 Payment 280.16 lbs at 3.50 980.56

Dev. Allowance 280.16 lbs at .50 140.08

Prem. Excess 115.36 lbs at .75 86.52

Total Uranium Payment 1207.16

Haulage Allowance 7.416 per wet ton 319.48

V2 05 Payment 980.17 lbs at .31 303.98

Total Payment by Climax Uranium Co 1830.62

Date	Wet Tons	H O	Dry Weight	Assay U3 08	Assay V2 05	Lbs U3 08	Lbs V2 05
3-16-31-51	85.25	4.6	81.302	.29	1.07	471.55	1139.86

U3 08 Payment 471.55 lbs at 3.50 1650.43

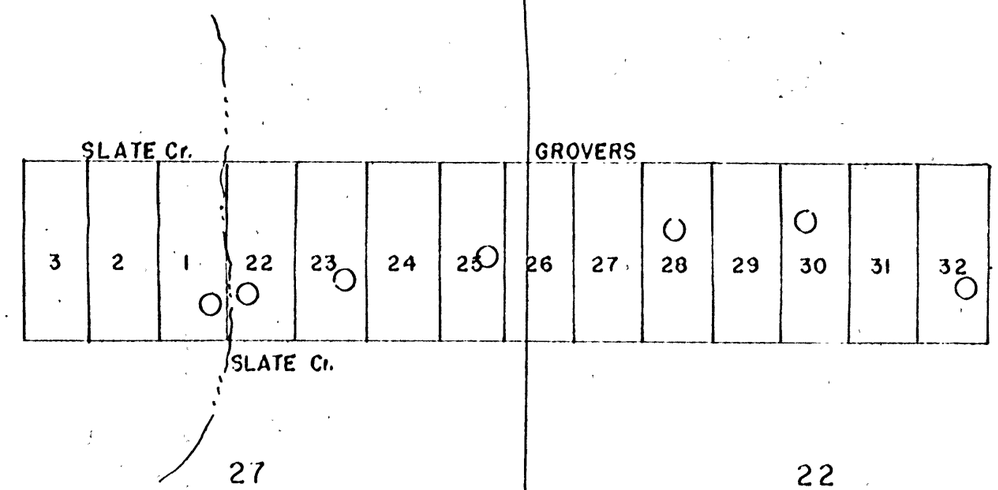
Dev. Allowance 471.55 lbs at .50 235.78

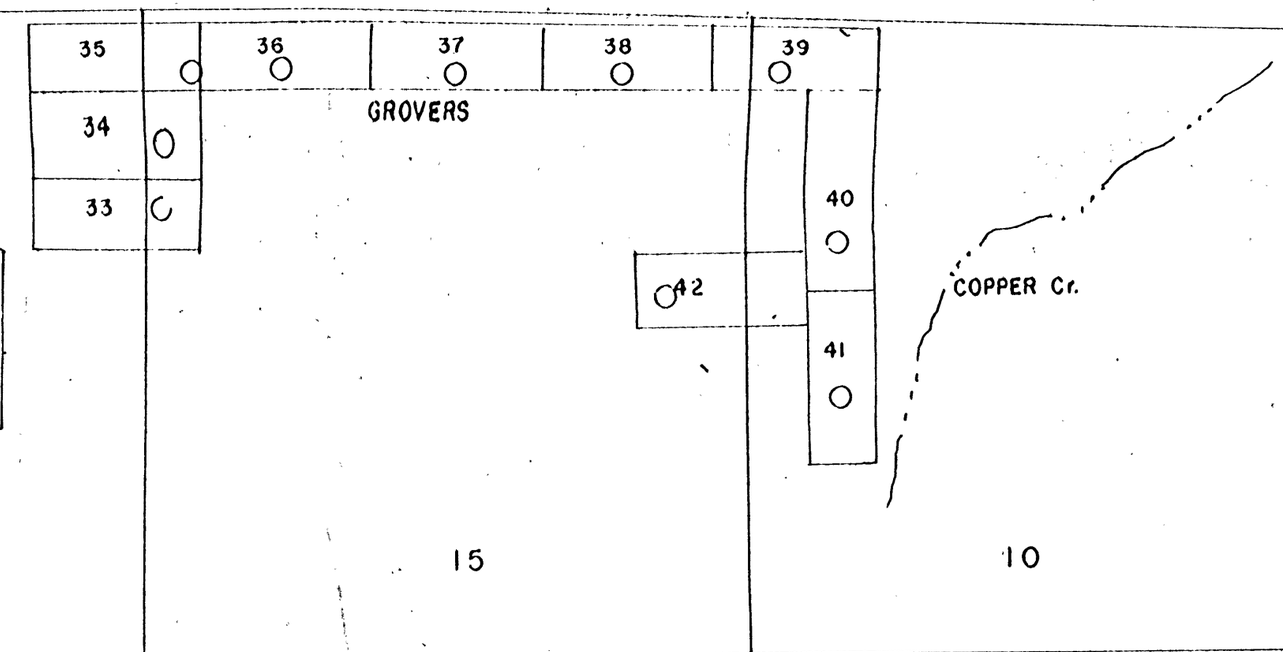
Prem. Excess 146.35 lbs at .75 109.76

Total Uranium Payment 1995.97

V2 05 Payment 1739.86 lbs at .31 535.33

Total Payment by Climax Uranium Co 2535.33





HENRY MOUNTAIN AREA

Garfield Co. UTAH

SLATE Cr. & GROVER GROUP of MINING CLAIMS

L.R. WEEKS OWNER

S.Y. GUTHRIE & ASSOCIATES, LESSEE

UNSURVEYED— When surveyed will be sec. 27, 22, 15, 10.—

Twp 32 S RIIE

Survey by E. Volgamore, H. Ekker

Date April—16, 1952

Scale 1" = 1320

APPPOXMIATE DRILLING LOCATIONS

O CORE DRILL 6000'

23 14 24 13 12