DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO. 1166

DMEA NO. 4644

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

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

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [x] Certification of Discovery
- [ ] Closing Letter
- [x] Cost Audits
- [x] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [x] Work Completed analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semi-Annual Report for Certified Project
- [x] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

✓ Folders No. 2 : Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] ~~Field Team Semi-Annual Report for Certified Project~~
- [ ] Field Team Interim Reports
- [x] Operator's Monthly Reports with transmittal, narrative and maps.
- [x] Also transcript of testimony, 7th Circuit Court

Folders No. _____ : Maps (Use pocket folder or envelope)

✓ Folders No. 3 : Settlement Sheets, Field Team Semiannual Report for Certified project and Analysis

Folders No. _____ : Drill Logs

Folders No. _____ : Royalty material

17963

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., and the Acting Field Officer, OME, Region III, Denver, Colorado, pertaining to Contract No. Idm-E1166, Docket DMEA-4644 (Uranium), dated January 27, 1958, with

Uranium Research and Development Company
209 Denham Building
Denver, Colorado

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Rim Group of claims located in Fremont County, Wyoming, during the period January 27, 1958, through May 3, 1960.

A certification of discovery or development was issued on July 29, 1958, and, in accordance with Article 6 of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of final audit dated August 7, 1958, indicated accepted costs under the exploration contract amounting to $34,143.10 with the Government's contribution, on a 75 percent basis, being $25,607.32.

The scope of review and the reasons therefor are stated on page 2.

This review established the total sales of uranium ore, including AEC production bonus, for the period to be $510,671.86. Royalty due the Government at rates specified in the contract is $25,533.60. The royalty paid and the balance due are detailed in Schedule "A" attached and summarized as follows:

Total Royalty Due	$25,533.60
Total Royalty Paid	11,793.34
Balance of Royalty Due	$13,740.26

See Reg III letter May 9, 1960 To Erickson, Western Uranium Corp.

C. E. Fisher
C. E. Fisher, OME Auditor

May 3, 1960

Idm-E1166 Uranium Research & Development Co. DMEA-4644

SCOPE OF REVIEW AND REASONS THEREFOR

This review consisted of the recomputation and tabulation of settlement sheets on file with the Washington, D. C., and the Region III, Denver, Colorado, offices of the OME. It was determined that proper royalty has been received on 10 sales on which settlements were made by the purchasers through June 15, 1959, and on the AEC production bonus received by the Operator, but that royalty had not been received applicable to 10 sales subsequent to June 15, 1959, as listed on Schedule "A" attached.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) It is believed that all sales of production from the property subject to Government royalty as of this date have been included in the royalty computation on Schedule "A";

(2) In a letter dated April 29, 1960, Wayne Erickson, the general manager of Western Uranium Corporation, assured the Acting Field Officer, OME Region III, that the royalty due would be paid by May 26, 1960; and

(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Schedule "A"

Idm-E1166 | Uranium Research & Development Co. | DMRA-4644

Summary of Production, Sales and Royalty
January 27, 1958 through May 3, 1960

Vendor - Western Uranium Corporation

Sales

Short wet tons	26,180.35
Short dry tons	24,183.74
U_3O_8 - Pounds	110,707.71

Proceeds

Base payments		$387,477.29
Development allowance		55,353.92
Premiums:		
Excess of 4 pounds U_3O_8 per ton		
Pounds	20,443.46	
Payment		15,332.59
Excess of 10 pounds U_3O_8 per ton	None	
Haulage allowance		17,939.40
Total Receiving Station value		$476,103.20
AEC Production Bonus		34,568.66
Total value subject to royalty		$510,671.86
Royalty due - 5%		$ 25,533.60
Royalty paid		11,793.34
Balance of royalty due		$ 13,740.26*

* Comprised of the following settlements:

No.	Date	Buyer	Proceeds	Royalty
64	6-30-59	Luck Mc Uranium	$16,891.42	$ 844.57
397	7-20	Susquehanna-Western, Inc.	30,617.76	1,530.89
451	8-12	" " "	36,996.66	1,849.83
1	1-28-60	Federal-Raddrock-Gas Hills Partners	33,731.77	1,686.59
2	1-28	" " "	10,807.03	540.35
1	1-28	" " "	15,289.89	764.49
2	1-28	" " "	47,270.96	2,363.55
3	2-10	" " "	63,162.94	3,158.15
4	3-16	" " "	6,079.70	303.99
5	4-11	" " "	13,957.06	697.85
	Total unpaid royalty			$13,740.26

MME Form 22
April 59

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name Uranium Research and Development Company

Address 209 Denham Building

Denver, Colorado

Exploration Contract No. Idm-E1166 Docket No. DMEA-4644

		Check One Yes	Check One No.
1.	(a) Does the Operator stockpile ore subject to royalty repayment?		X
	(b) If so, is segregation and identification procedure adequate?		
2.	(a) Does Operator commingle production subject to DMEA or OME royalties with exempt production?		X
	(b) If so, do you consider the allocation of the commingled production equitable?		
3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?		X
	(b) If so, are adequate records maintained on such material to protect the Government's interest?		
4.	Do you consider the assay controls in effect are adequate?	X	
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?		X
7.	Does the Operator buy from or sell to other Operators?		X
8.	Comment on any item 2 (b) to 6 if answer is No.		

NOTE: Operator did not report sales since June 15, 1959. AEC records revealed the unreported sales.

May 3, 1960
Date

Hugh M. Connors
Mining Engineer

53362

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

		CODE

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Uranium Research and Development Company
209 Denham Building
Denver, Colorado.

pertaining to Exploration Project Contract No. Idm-E1166, DMEA No. 4644, and Termination Agreement dated July 23, 1958, for the months of February to May, 1958, inclusive, covering a project for the exploration of Uranium on property known as Rim Group of claims located in Fremont County, Wyoming.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of work performed by reference to Field Team reports and correspondence, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

> All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$34,143.10
Exceptions:		
Prior to this review	$0.00	
Herewith	0.00	0.00
Total Accepted Cost		$34,143.10

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty-five thousand, six hundred seven and 32/100ths Dollars is valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Amount payable to Operator	$25,607.32
Amount reimbursed	25,107.32
Balance due Operator	$ 500.00

Sent to Operator 8/19/58

T. H. Brading, Auditor

August 7, 1958

DOCKET

Ching
Knowlt
Rutin
Sawyer
App'd. Sol. Off.
Chambers
Martin
Johnson

CERTIFICATION BY THE UNITED STATES OF AMERICA OF A DISCOVERY OR DEVELOPMENT UNDER AN EXPLORATION PROJECT CONTRACT

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

To: Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E1166, dated January 27, 1958, (Docket No. DMEA-4644), hereinafter called the "Contract," between Uranium Research and Development Company, a Colorado corporation, and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the Contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Exploratory drilling in the project area resulted in the discovery of tabular-shaped bodies of uranium ore in the sandstone lenses of the upper Wind River formation of Eocene age.

Dated: JUL 22 1958

THE UNITED STATES OF AMERICA

By C. P. Mittendorf
Administrator, Defense Minerals
Exploration Administration

MChing/izm 7-18-58
cc: Mr. Ching
Docket
Admr.'s Reading File
Frank E. Johnson
Operating Committee
Contract Adm. & Audit Div.
Finance Office
DMEA FT, Reg. 3 (2)
Frank D. Lamb, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
Operator
H.O. English, Mountain Mesa Uran. Corp.
Albert W. Dilling, Riverton Uran. Corp.
Messrs. R.E. Fuechsel, E.S. Norton, W.J. Nicholas, W.A. Smith all c/o Smith & Nicholas, First National Bank Bldg., Lander,
Jesse C. Johnson, AEC, Wash. D.C.
Elton A. Youngberg, AEC, Grand Junction, Colorado

Government's Copy

s/Long
Dunger
Ching
Chambers
Martin
Johnson

TERMINATION AGREEMENT

It is agreed this 23d day of July, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Uranium Research and Development Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E1166, Docket No. DMEA-4644, dated January 27, 1958, hereinafter called the "Contract," that:

1. Effective June 1, 1958, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of the work performed prior to June 1, 1958.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All rights of the Government respecting certification of discovery or development, percentage royalty and liens to secure the payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment, are hereby preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims and demands under or arising out of said Contract, except as otherwise provided in this Termination Agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mattessary
Administrator, Defense Minerals Exploration Administration

URANIUM RESEARCH AND DEVELOPMENT COMPANY

By Robert D. Harris
Title President

RECEIVED AUG 8 1958 D.M.E.A.

F I Kasner

DOCKET NO. DMEA-4644 (URANIUM)
CONTRACT NO. IDM-E1166
URANIUM RESEARCH AND DEVELOPMENT CO.

JUSTIFICATION FOR TERMINATION AGREEMENT

Under Stage I the Operator completed 129 non-core holes aggregating 24,046 feet.

The contract provides for a maximum of 104 offset holes aggregating not more than 26,000 feet in Stage II. The Operator has completed 74 Stage II holes approved by the Field Team. Total footage drilled in Stage II amounted to 13,113 feet.

The Operator had discovered several ore bodies on the property prior to execution of the subject contract. Drilling under the contract resulted in the discovery of several other significant deposits. A certification of discovery has been recommended by the Field Team.

The work has progressed to the point where the Operator as well as the Field Team believes that further drilling under the contract is not required.

In a letter to the Executive Officer, dated June 17, 1958, the Operator requested termination of the contract.

Under these circumstances termination of the contract and certification of discovery or development is in order.

Michael Ching

Michael Ching, Mining Engineer
Division of Rare & Misc. Metals

Government's copy

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 10 1958

MF-200A
(Rev. April 1956)

DATE	INITIALS	CODE

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	Commodity	Contract No. Idm-E	County	State
4644	Uranium	1166	Fremont	Wyoming

It is agreed 27 JAN 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Uranium Research and Development Company, a Colorado Corporation

whose mailing address is 209 Denham Building Denver, Colorado
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before February 15, 1958, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 6 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $53,760.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $40,320.00, in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: See Annex I.

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: Consent to Lien & Subordination Agreements of the Rim Group, Mountain Mesa Uranium Corp., and Riverton Uranium Corp.

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

.....

.....

.....

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.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C Mitteudorf
Administrator, Defense Minerals
Exploration Administration

Uranium Research and Development Co.
(Operator)

By Robert L Harris

Title President

I, EUGene M. SHeARer, certify that I am the secretary of the corporation named as Operator herein; that RobeRT L. HARRIS, who signed this contract on behalf of the Operator, was then PRes ideNT of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Eugene M. Shearer

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

Appd. Sol. Off.

Ellis Chambers

EXPLORATION PROJECT CONTRACT
URANIUM RESEARCH AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-4644

ANNEX I

The land referred to in Article 2 of the contract consists of 40 unpatented lode mining claims situated in sections 8, 9, and 17, T. 33 N., R. 89 W., 6th P. M. and B., Fremont County, Wyoming, as hereinafter listed. The land is shown on the map entitled "Figure 2. Claim Map Showing Proposed Drill Holes . . .," attached hereto and made a part hereof.

The notices of location of the claims are recorded at the Office of the County Clerk of Fremont County, Wyoming, as follows:

Claim No.	Book	Page
Rim 1 through 9	117	188-196
Rim 16 through 23 and 26 through 30	117	197-209
Rim 34, 35, 39, 40	117	210-213
Rim 44 through 57	117	214-227

The claims were originally located by the Rim Group, a joint mining venture of Lander, Fremont County, Wyoming, which, by the terms of an agreement dated December 7, 1956, leased the claims to the Rocket Mining Company, a Utah corporation. The Operator, Uranium Research and Development Company, is in possession pursuant to the provisions of a joint venture agreement executed February 8, 1957, with the Rocket Mining Company, and Western Uranium Corporation, a South Dakota corporation.

The Riverton Uranium Corporation, a Nevada corporation, and Mountain Mesa Uranium Corporation, a Wyoming corporation, have filed actions to quiet title to the subject claims. However, to enable the Operator to proceed with the DMEA project the Rim Group and Riverton have entered into an agreement dated June 19, 1957, whereby Riverton consents to the project and its Consent to Lien and Subordination Agreement is attached and made a part hereof. There are also attached Consent to Lien and Subordination Agreements signed by the Rim Group and the Mountain Mesa Uranium Corporation, which, in settlement of its litigation, assigned its rights in the claims to the Rim Group in an agreement dated December 7, 1956, a copy of which is in the Defense Minerals Exploration Administration files.

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E 1166
Contract Date 27 JAN 1958

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

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

Rim Group Claims No's. 1 through 9, 16 through 23, 26 through 30, 34, 35, 39, 40, 44 through 59, being 42 claims in number, located and situate in Secs. 8, 9 and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming,

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

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

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

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

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

Rights of Riverton Uranium Corporation are subject of pending litigation.

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

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

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

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

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

Dated this 19th day of June, 1957.

Riverton Uranium Corporation	[Seal]	139 N. Clark Street Chicago 2, Illinois	[Address]
By Albert W. Dilling President	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

Kirkpatrick W. Dilling

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-4644
Contract No. Idm-E 1166
Contract Date 27 JAN 1958

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

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

Rim Group Claims No's. 1 through 9, 16 through 23, 26 through 30, 34, 35, 39, 40, 44 through 59, being 42 claims in number, located and situate in Secs. 8, 9 and 17, Twp. 33 North, Rg. 89 West, 6th P.M.,

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

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

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

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

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

Rights of Riverton Uranium Corporation are subject of pending litigation.

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

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

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

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

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

Dated this _____ day of ~~27 JAN 1958~~ June, 1957.

THE RIM GROUP, A MINING JOINT VENTURE	[Seal]	_____	[Address]
By R. E. Lincoln and	[Seal]	_____	[Address]
E. J. Norton	[Seal]	_____	[Address]
W. V. Nichols	[Seal]	_____	[Address]
W A Smith	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

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

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA- 4644
Contract No. Idm-E 1166
Contract Date 27 JAN 1958

RECEIVED JAN 20 1958 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

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

Rim Group Claims No's. 1 through 9, 16 through 23, 26 through 30, 34, 35, 39, 40, 44 through 59, being 42 claims in number, located and situate in Secs. 8, 9, and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming

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

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

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

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

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

Rights of Riverton Uranium Corporation were quieted by U.S.District Court Decision in Consolidated Civil Cases No. 3966 and No. 4041. Riverton Uranium Corporation has filed an appeal.

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

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

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

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

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

Dated this 13th day of January, 1958.

MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation	[Seal]		[Address]
	[Seal]		[Address]
By H. O. English, President	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, Robert I. Laidlaw certify that I am the Assistant Secretary (Secretary, etc.) of the corporation named herein; that H. O. English who signed this agreement was then President (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

Robert I. Laidlaw

[Corporate Seal]

EXPLORATION PROJECT CONTRACT
URANIUM RESEARCH AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-4644

EXHIBIT A

Description of the Work

General Provisions

The work consists of exploration by non-core drilling to test the potential ore-bearing sandstones of the upper Wind River formation of Eocene age.

Drilling depths are expected to range from 100 to 400 feet and to average 250 feet. All holes shall be drilled through the upper Wind River formation, but none shall extend more than 10 feet below the base of such formation.

Cuttings shall be collected with a Duclone sample collector or equivalent unit of other make. Where wet drilling is done, provisions shall be made for taking satisfactory sludge samples. Cuttings from all drill holes shall be collected, sampled at each two-foot interval, and checked for radioactivity. Samples indicating significant mineralization shall be split and one portion shall be analyzed chemically for uranium and one portion shall be properly labeled and stored for the use of the Government. The nonmineralized cuttings also shall be labeled and stored for inspection by the Government. At the completion of the project, upon Government approval, all stored samples may be disposed of by the Operator.

All drill holes shall be logged geologically and probed radiometrically, and the record of such logging and probing, together with certified copies of all assay certificates shall be submitted with the Operator's monthly progress reports.

No hole shall be drilled closer than 100 feet to the outer boundaries of the claims.

No payment shall be made by the Government for incompleted drill holes.

Access roads and drill sites shall be prepared with a D-6, D-7, or larger unit bulldozer or an equivalent unit of other make. If a D-6 bulldozer or equivalent unit is used, the allowable hourly rate shall be reduced from $13.00 to $10.00 and the number of allowable hours increased accordingly.

The project shall be supervised at all times by a competent geologist or mining engineer who shall devote full time to the project work.

The location, direction, inclination, and extent of all project work are subject to the approval of the Government.

The work shall be performed in two stages. The Operator shall perform all the Stage I work and as much of Stage II work as is approved in advance in writing by the Government; except that the chemical analyses provided for in each stage may be transferred between stages as required without the written approval of the Government.

Stage I

Prepare access roads and drill sites and drill approximately 126 holes aggregating an estimated 31,500 feet as indicated on the map (Figure 2). The holes shall be drilled on a 500-foot square grid except for the two northernmost holes on Rim No. 46 claim, the hole on Rim No. 44, and the two southernmost holes on Rim No. 34, which are spaced 400 feet from other holes in a north-south direction to assure that all holes are at least 100 feet from the property boundaries. If the 126 holes require more than 31,500 feet of drilling to reach the desired horizon, the additional footage and funds required may, upon the written approval of the Government, be transferred and deducted from Stage II.

Stage II

Prepare access roads and drill sites and drill not more than 104 holes aggregating not more than 26,000 feet as offsets to previously drilled holes showing favorable mineralization. Offset holes shall be drilled not closer than 100 feet to any previously drilled hole that completely penetrated the upper Wind River formation.

Estimated Costs of the Project

Fixed Unit Costs

Stage I

31,500 feet non-core drilling @ $0.90/ft.	$28,350.00
24 hours bulldozing @ $13.00/hr.	312.00

200 chemical analyses for U_3O_8 @ $4.00/each	$ 800.00	
Estimated Total Cost of Stage I		$29,462.00

Stage II

26,000 feet non-core drilling @ $0.90/ft.	23,400.00	
20 hours bulldozing @ $13.00/hr.	260.00	
160 chemical analyses for U_3O_8 @ $4.00/each	640.00	
Estimated Total Cost of Stage II		$24,300.00
Estimated Total Cost of the Project (rounded)		$53,760.00
Government Participation @ 75%		$40,320.00

DMEA 4641
Lam-E 1166

Page 6
Paragraph 10

OME
DEPARTMENT OF THE INTERIOR
FEB 6 - 1959
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 11 1959

DATE	INITIALS	CODE

AGREEMENT

THIS AGREEMENT made and entered into as of the 15th day of July 1958, by and between Western Uranium Corporation, a South Dakota Corporation, hereinafter called "Western", and Western Drilling Corporation, a South Dakota Corporation, hereinafter called "Western Drilling" (Western and Western Drilling hereinafter collectively referred to as "Vendees"), and Uredco Associates, Limited, a Wyoming special partnership, hereinafter called "Uredco Associates."

WITNESSETH:

WHEREAS, Uredco Associates is a special partnership organized under the laws of the State of Wyoming, consisting of Western, Western Drilling, Uranium Research and Development Company, a Colorado Corporation, hereinafter called "Uredco," Donald S. Elrod, hereinafter called "Elrod," and Frances B. Clarkson, hereinafter "Clarkson;" and

WHEREAS, Uredco Associates desires to sell and Vendees desire to buy pursuant to the terms and conditions hereof the Rim Group Claims described with particularity in Exhibit A attached hereto and by this reference made a part hereof;

NOW, THEREFORE, in consideration of the mutual promises herein contained and in consideration of the delivery by Vendees to Uredco, Elrod, and Clarkson of one hundred and ten thousand shares of the one cent par value common stock of Gas Hills Uranium Company, a Colorado Corporation, as hereinafter provided, it is hereby agreed as follows:

1. Uredco Associates hereby transfers, conveys and assigns to Vendees, their successors and assigns, without any warranty of title whatsoever, all of its right, title and interest in and to

J. W. Townsend memo 2/9/59

the properties set forth in Exhibit A hereto, subject, however, to the reservation in Uredco Associates of a net profit interest as provided in Paragraph 2 hereof, and subject further to termination without further act or deed of the parties hereto in accordance with the provisions of Paragraph 19 hereof.

2. Uredco Associates does hereby reserve a 65% net profit interest as hereinafter defined in subject properties, which interest shall terminate upon the payment by Vendees pursuant thereto or otherwise at any time to Uredco Associates of seven hundred fifty thousand dollars ($750,000.00). Uredco Associates shall have no obligation to contribute to the cost of exploring, developing, operating, or maintaining subject properties hereunder other than out of proceeds from the sale of uranium ores produced on subject properties and in accordance with the provisions of this agreement. Nothing herein contained shall be construed so as to create a mining or other partnership among the parties hereto with respect to operations carried on hereunder. Provided, further, that with respect to all interest reserved hereunder by Uredco Associates same shall be subject to the Certificate of Special Partnership and all amendments thereto of Uredco Associates, Limited, a Wyoming special partnership.

3. Contemporaneously with the execution of this agreement Vendees will deliver fifty-five thousand shares of the one cent par value common stock of Gas Hills Uranium Company as follows:

Eirod	35,000 shares
Clarkson	5,000 shares
Uredco	15,000 shares

Vendees will deliver an additional 55,000 shares of Gas Hills Uranium Company common stock in the same proportions and to the same persons on or before January 10, 1959. In the event of default by Vendees in the provisions of this Paragraph 3, this agreement shall ipso facto terminate without further act or deed of the parties hereto and all shares of the common stock of Gas Hills Uranium Company

theretofore delivered by Vendees shall be retained by the recipients as liquidated damages.

4. In the event Vendees fail to deliver a total of 110,000 shares of the common stock of Gas Hills Uranium Company prior to January 10, 1959, as provided in Paragraph 3 hereof, Vendees shall execute an assignment to Uredco, as Trustee, of all of Vendees' distributable net profits under the Certificate of Special Partnership of Uredco Associates, Limited, as amended. Uredco, as Trustee, shall use the proceeds forthwith upon receipt thereof to purchase in the open market shares of Gas Hills Uranium Company sufficient in number to permit the delivery to Elrod, Clarkson, and Uredco of the difference between 110,000 and the number of shares theretofore delivered by Vendees. Such assignment shall terminate upon delivery, pursuant to Paragraph 3 and this Paragraph 4, of a total of 110,000 shares to said parties. Upon termination Uredco shall return to Vendees any remaining balance held in trust hereunder. Provided, nothing contained in this paragraph shall be deemed an amendment of the Certificate of Special Partnership so as to affect Clarkson's right to receive Western's distributable share of net profits in accordance with said Certificate, as amended. Provided, further, that this provision is in the nature of a liquidated damage provision, and in the event Vendees fail to comply with Paragraph 3 hereof their rights hereunder shall automatically terminate as therein provided.

5. Vendees, within six months from date, will commence stripping the known ore body located on Rim Group Claims Nos. 35 and 55 and will thereafter diligently pursue and carry on the stripping, mining, and marketing of ore from subject premises. Such stripping, development, mining, and marketing operations shall be carried on in miner-like fashion so as to produce, mine, and market the maximum amount of ore consistent with good mining practice and existing market conditions.

6. In the month commencing on February 1, 1959, and for each month thereafter Vendees will market from subject premises ores containing not less than 8,000 pounds of U_3O_8 per month until the present known ore bodies on the properties shall be exhausted. The 8,000 pounds per month shall be an average per month shipment

figured at the end of each twelve-month period commencing on February 1 and terminating on January 31 of the following year, but in no event less than 4,400 pounds of U_3O_8 in any given month; inoperative months due to acts of God, government regulations and resulting market limitations and inclement weather making mining operations physically impossible excepted. Provided, however, that the foregoing force majeure clause, and no other provision hereof, shall not and does not exculpate Vendees from their obligation to market an average of 8,000 pounds of U_3O_8 per month as hereinbefore provided as determined on a twelve-month basis. In any twelve-month period in which Vendees fail to mine and market an average of 8,000 pounds of contained U_3O_8 per month this agreement at the end of such period shall terminate without further act or deed of the parties hereto and all interest of Vendees in subject properties but not Uredco Associates shall so terminate. In determining the average production for the twelve-month period commencing February 1, 1959, Vendees may include in such twelve-month period all ores produced prior to that date to the same extent as if actually produced during such twelve-month period.

7. The 65% net profit interest retained by Uredco Associates shall be determined in accordance with the accounting procedure set forth as Exhibit C, attached hereto, and by this reference incorporated herein. The accounting period shall be each calendar quarter or, at the election of Uredco Associates, each calendar month; and Vendees, by the 30th day of the month following the close of each quarter, shall submit to Uredco Associates a complete accounting based on the accounting procedure set forth in Exhibit C covering the operations of subject premises for the entire previous accounting period and shall remit to Uredco Associates with the accounting provided for herein all amounts payable pursuant to the net profit interest reserved to Uredco Associates. No portion of net profits remitted to Uredco Associates hereunder shall be recoverable by Vendees in the event subsequent operations are at any time carried on at a loss. Nothing herein to the contrary withstanding (or in the accounting procedure) shall permit Vendees, in determining net profits hereunder, to charge against the operation in any accounting period expenses, excluding royalties, which exceed the following percentage of the gross proceeds from the sale of

ores from subject properties prior to deduction for taxes and/or royalties. Prior to the production and sale of uranium ores containing in the aggregate 16,000 pounds of U308----55%. After production and sale of uranium ores containing in the aggregate in excess of 16,000 pounds and less than 32,000 pounds of U308----45%. After production of uranium ores containing in the aggregate 32,000 pounds of U308----50%.

Provided, however, that to the extent such charges exceed the foregoing limitations in any accounting period they shall be carried over as charges to the next accounting period. Provided, further, that in such succeeding accounting period total charges including those carried over shall not exceed the limitation on charges then applicable and to the extent such charges do exceed such limitation they shall be carried over to the succeeding accounting period in like manner and with like effect.

8. On or before January 1, 1962, or 90 days after the present ore body on claims 35 and 55 have been mined out, whichever occurs first, in the event a total of seven hundred and fifty thousand dollars has not been received by Uredco Associates, Vendees at their own cost and expense and with no right to reimbursement therefor will commence and diligently complete thirty thousand feet of exploratory drilling pursuant to the program outlined in geological map prepared by Ralph L. Erickson dated May 30, 1958, attached hereto as Exhibit D, and by this reference made a part hereof. Drilling immediately adjacent to the present proven ore bodies for the purpose of further delineating the same shall not qualify as such exploratory drilling. All other exploratory drilling accomplished prior to the foregoing date by Vendees shall be applied on the 30,000 ft. requirement contained in this paragraph. Any ore discovered by such exploratory drilling shall be drilled until proven or disproved as a commercial ore body and any such proved ore bodies shall be diligently mined and marketed in a miner like

fashion and in accordance with good mining and marketing practice. Failure of Vendees to commence and diligently pursue exploratory drilling provided for in this paragraph or to diligently mine and market any ore bodies found shall automatically terminate this agreement and the property shall without further act or deed of the parties hereto revert back to Uredco Associates and all proceeds and considerations heretofore paid or delivered to Uredco Associates shall be retained by Uredco Associates without recourse by Vendees. Provided, however, that the marketing quota set forth in paragraph 6 hereof shall not be applicable with respect to such ore bodies.

9. All bills and expenses incurred by Vendees in the exploration, development, operation, and maintenance of subject property shall be promptly paid by it and by such prompt payment Vendees shall prevent the filing of any and all liens of miners, mechanics, and material men against any portion of such premises and if by reason of the failure of Vendees to pay such bills or expenses any lien or liens should be filed against such portion of said premises Uredco Associates may forthwith pay off and discharge any such lien reduced to judgement and Vendees shall hold itself bound to pay Uredco Associates all sums so advanced to clear such premises from judgment liens which may be filed as aforesaid and if not repaid by Vendees Uredco Associates may at its election declare Vendees in default under the terms hereof.

10. Vendees shall pay all royalties, advance royalties and minimum royalties to which the subject properties are subject in accordance with the provisions of the appropriate instrument and chain of title and all royalties payble to the Defense Minerals Exploration Administration and shall comply with all covenants of instruments in the chains of titles to the properties so as to keep in full force and effect all conveyances, leases, contracts, and operating agreements, pertaining to subject premises and to

thereby prevent forfeiture and/or termination of same. If Vendees fail to comply with the provisions of this paragraph Uredco Associates may at its election pay such royalties and/or accomplish the work necessary under aforesaid covenants if it reasonably regards such payment and/or work necessary in order to prevent termination and/or forfeiture. Vendees shall reimburse Uredco Associates for the amount of such payments and/or the cost of such work and charge same against the operation in accordance with the accounting procedure.

11. Until the interest of Uredco Associates in subject properties terminates according to the provisions of paragraph 2 hereof Vendees will do all assessment work required under the laws of the United States and the State of Wyoming with respect to subject properties. Such assessment work should be accomplished prior to May 1 of each assessment year and prior to such date Vendees shall give Uredco Associates written notice of the nature and dollar value of the assessment work accomplished. In the event Vendees fail to perform the assessment work within the time period hereinabove provided Uredco Associates may at its election accomplish such assessment work to the extent it reasonably regards as necessary in order to protect claim or claims against relocation by others and the cost of such assessment work shall be paid by Vendees to Uredco Associates.

12. Vendees agree to keep detailed accurate records of all accounts necessary or appropriate for purposes contemplated by this agreement. Such accounts will reveal the allowable expenses incurred, allowable charges made, and all receipts and credits to the operating account. Vendees shall also furnish to Uredco Associates in writing within thirty days after the end of each calendar month a report showing the amount and character of

work done in the preceeding month, tonnage and grade of ore mined and marketed, if any, during such month. Uredco Associates through its duly authorized representative or agent shall have the right at all reasonable times to inspect all records--financial, geological, or otherwise--retained either in whole or part by Vendees in connection with operations on subject properties.

13. At all times during the term of this agreement Uredco Associates through its duly authorized representative or agent shall have the right at its sole risk and expense to go upon any portion of subject properties and to inspect and otherwise have access to all operations being conducted by Vendee thereon together with all books, records, samples, and other data maintained in connection with such operations.

14. Vendees agrees to pay all social security obligations, withholding taxes, unemployment compensation and any state, county, federal taxes levied against it or subject premises and to comply fully with all state mining and inspection laws as well as all federal and local laws, ordinances and regulations, particularly with all laws, rules and regulations involving or promulgated by the United States Atomic Energy Commission.

15. Vendees at all times while conducting operations under this agreement shall provide workmen's compensation insurance in accordance with the laws of the state of Wyoming. Vendees for the protection of the parties hereto also shall carry the following policies of insurance with a copy of said policies to be furnished Uredco Associates. Said policies to be non-cancelable by Vendees except upon ten days written notice to Uredco Associates by the insuring company: Comprehensive general liability including automotive equipment in the amount of $50,000/$100,000 to cover liability and $10,000 property damage.

16. Uredco Associates will sign any ore purchase agreement pertaining to such ores mined from subject property provided

that such agreement reasonably conforms to the normal practice in the area. So long as Vendees comply with the provisions hereof Vendees shall have the right to commit ores from subject property to an ore purchase agreement.

17. Uredco Associates will diligently pursue the settlement of existing boundary dispute with Vipont Mining Company and will pursue the enforcement of the lease provisions that require the Rim Group to defend their title. Lack of settlement of said boundary dispute shall toll the provisions hereof as to timely mining operations to the extent that failure to obtain such settlement makes it impractical to carry on such mining operations.

18. Upon compliances with all the terms and provision hereof, including the payment of $750,000 to Uredco Associates in accordance with the provisions of paragraph 2 hereof, Uredco Associates will immediately quitclaim to Vendee all its right, title and interest in subject properties.

19. In the event Vendees' breach provisions of paragraphs 3, or 5, or 6, or 8 hereof this agreement shall automatically terminate without further act or deed of the parties. In the event Vendees breach any of the covenants hereof other than those refered to in the preceeding sentence of this paragraph, this agreement shall be subject to termination at the election of Uredco Associates by giving to Vendee a notice in writing of its default and if Vendee shall fail to remedy completely such default within thirty days after the giving of such notice, or in the case of default under paragraph 11 hereof within five days, then this agreement shall forthwith be terminated and all rights of Vendees in the properties but not in Uredco Associates shall forthwith be terminated and revert to and be owned by Uredco Associates, its successors and assigns. Said thirty day period

shall exclude days in which inclement weather preclude Vendees from curing such default. Although the termination provided for herein is self executing, Vendees will forthwith upon request execute and deliver to Uredco Associates a recordable instrument of release relinquishing all its rights to subject property; said instrument of release shall not affect Vendees partnership interest in Uredco Associates. In recognition of the difficulty of determining damages resulting from a breach of this provision, in the event Vendees fail to deliver such instrument of release when obliged to do so hereunder, Vendees shall be liable to Uredco Associates for liquidated damages in the amount of $100,000.00.

20. The obligations of Vendees hereunder shall be joint and several and any provision contained herein for forfeiture or termination shall be in addition to other remedies available to Uredco Associates.

21. Vendees shall not assign, sublease or sub-contract its rights hereunder without the written consent of Uredco Associates. The covenants of this agreement shall inure to the benefit of and shall be binding upon the parties hereto their successors, and assigns. Uredco Associates shall not arbitrarily withhold such consent.

22. All notices, payments, accounting statements and other instruments required or authorized to be given hereunder should be given or transmitted by registered or certified United States mail or Western Union Telegraph, postage and charges prepaid and addressed to the party entitled to such notice, payment, accounting statement or other instrument or communication as follows:

Vendee: 1014 East Park
Riverton, Wyoming

Uredco Associates: 209 Denham Building
Denver, Colorado

The original notice to be given under any provision hereof shall be deemed given upon receipt and the time for a

party to respond thereto shall run from the date of such receipt. The above address may be changed at any time by either party hereto by written notice of such change sent to the other party.

23. This agreement shall not be effective unless and until it has been approved by the Board of Directors of Western and Western Drilling as evidenced by a certified resolution of such approval and unless and until it has been ratified and confirmed by each member of Uredco Associates. In the event shares of Gas Hills Uranium Company delivered by Vendees hereunder are acquired by them from Gas Hills Uranium Company or in the event that such shares are acquired from a person who acquired the shares from Gas Hills Uranium Company pursuant to an undertaking to acquire such shares for investment, this agreement shall not be deemed effective or shall be deemed of no further force and effect, as the case may be, unless and until Uredco, Clarkson, and Elrod have signed appropriate investment letters satisfying the requirements of Counsel to Gas Hills Uranium Company.

24. This agreement shall not be effective unless and until the assignment of the Rim Group lease is approved by the Rim Group.

25. This agreement shall supersede all agreements, written or oral, between the parties hereto but shall not supersede in any respect the Certificate of Special Partnership of Uredco Associates, Limited, or any amendment thereto heretofore or hereafter adopted.

26. Uredco Associates shall execute a separate assignment to Vendees subject to the provisions of this agreement and specifically referring to a reservation of Uredco Associates' net profit interest reserved hereunder.

27. Attached hereto as Exhibit B and made a part hereof is a copy of proposed Amendment to Certificate of Special Partnership of Uredco Associates, Limited. The parties hereto agree to execute same within fifteen days from date, and in the event same is not executed by Vendees within said fifteen days this agreement shall terminate and Elrod, Clarkson, and Uredco shall retain the 55,000 shares delivered in accordance with the provisions of Paragraph 3 hereof and Vendees shall not be discharged of the obligation to deliver an additional 55,000 shares as provided therein, said shares to be retained as liquidated damages. Provided, further, in the event of failure of Vendees to deliver said additional 55,000 shares, the provisions of Paragraph 4 hereof shall be applicable.

28. Vendees agree to indemnify and hold harmless Uredco, Elrod, Clarkson, and Uredco Associates, and each of them, from and against any and all liabilities and obligations arising out of the operation by Vendees of subject property under the provisions of this agreement and from and against all actions, suits, proceedings, demands, assessments, judgments, costs, and expenses connected with said liabilities and obligations.

29. Western hereby covenants while this agreement remains in force and effect not to withdraw from Uredco Associates, Limited, a special partnership. In recognition of the difficulty of determining actual damages in the event of breach of this provision, Vendees agree in the event of such breach to pay as liquidated damages $50,000.00 to Uredco, Clarkson, and Elrod in the same proportions as the shares of Gas Hills Uranium Company are delivered pursuant to Paragraph 3 hereof.

EXECUTED the day and year first above written.

UREDCO ASSOCIATES, LIMITED

By Uranium Research and Development Company

By _____
Robert L. Harris
President

VENDEES:

WESTERN URANIUM CORPORATION

By_____
Wayne Erickson
Attorney-in-Fact

WESTERN DRILLING CORPORATION

By_____
Wayne Erickson
Attorney in Fact

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 11 1959

DATE	INITIALS	CODE

STATE OF COLORADO)
CITY AND COUNTY OF: SS
DENVER)

On this 16th day of July, 1958, before me appeared ROBERT L. HARRIS, to me personally known, who, being by me duly sworn, did say that he is the President of Uranium Research and Development Company, a General Partner of Uredco Associates, Limited, a Wyoming Special Partnership, and that said instrument was signed in behalf of said corporation and partnership, duly authorized, and said Robert L. Harris acknowledged said instrument to be the free act and deed of said corporation and partnership.

WITNESS my hand and notarial seal the day and year in this certificate last above written.

My commission expires
May 1, 1960

Notary Public

STATE OF COLORADO)
CITY AND COUNTY OF: SS
DENVER)

On this 16th day of July 1958, before me appeared WAYNE ERICKSON, to me personally known, who, being by me duly sworn, did say that he is Attorney-in-Fact for WESTERN URANIUM CORPORATION, and that said instrument was signed in behalf of said corporation by authority of its board of directors, and said Wayne Erickson acknowledged said instrument to be the free act and deed of said corporation.

GIVEN under my hand and seal the day and year in this certificate last above written.

My commission expires
May 1, 1958

Notary Public

STATE OF COLORADO)
CITY AND COUNTY OF: SS
DENVER)

On this 16th day of July 1958, before me appeared WAYNE ERICKSON, to me personally known, who, being by me duly sworn, did say that he is Attorney-in-Fact for WESTERN DRILLING CORPORATION, and that said instrument was signed in behalf of said corporation by authority of its board of directors, and said Wayne Erickson acknowledged said instrument to be the free act and deed of said corporation.

GIVEN under my hand and seal the day and year in this certificate last above written.

My commission expires:
May 1, 1960

Notary Public

CONSENT AND JOINDER

The undersigned members of Uredco Associates, Limited, a Wyoming Special Partnership, hereby consent to, join in, and ratify the foregoing agreement, and expressly consent under Article XIII (a) of the Certificate of Special Partnership to the assignment provided for by Paragraph 4 hereof.

_____
Frances B. Clarkson

_____
Donald S. Elrod

WESTERN URANIUM CORPORATION

By_____
Wayne Erickson
Attorney-in-Fact

WESTERN DRILLING CORPORATION

By_____
Wayne Erickson
Attorney-in-Fact

URANIUM RESEARCH AND DEVELOPMENT COMPANY

By_____
Robert L. Harris
President

EXHIBIT B

AMENDMENT

TO

CERTIFICATE OF SPECIAL PARTNERSHIP

OF

UREDCO ASSOCIATES, LIMITED

KNOW ALL MEN BY THESE PRESENTS,

That we, Uranium Research and Development Company, A Colorado corporation, hereinafter "Uredco", Western Uranium Corporation, a South Dakota corporation, hereinafter "Western", which parties are hereinafter collectively referred to as the "General Partner", Western Drilling Corporation, a South Dakota corporation, hereinafter "Western Drilling", Donald S. Elrod, hereinafter "Elrod", and Frances B. Clarkson, hereinafter "Clarkson", Western Drilling, Elrod, and Clarkson being hereinafter collectively referred to as the "Special Partners", having formed a special co-partnership pursuant to the laws of the State of Wyoming, the certificate of which and amendment thereto have been filed with the County Clerk and Recorder of Fremont County, State of Wyoming, and are recorded at Miscellaneous Book 45, page 309, and Miscellaneous Book 46, page 17, do hereby amend the Certificate of Special Partnership of Uredco Associates, Limited, as follows:

III.

That the location of the principal place of business and office is:

c/o Robert L. Harris
Tonkin Building
Riverton, Wyoming

VI.

That the capital contribution of the Special Partners shall be as follows:

Western Drilling Company - $118,680.00, consisting of a 30% undivided interest in and to the leasehold rights covering the mining claims described in Exhibit A to the Certificate of Special Partnership, said interest being valued for purposes of this agreement at $94,800.00, and $23,880.00 in cash.

Eirod - $138,460.00, consisting of a 35% undivided interest in and to the leasehold rights covering the mining claims described in Exhibit A, said interest being valued for purposes of this agreement at $110,600.00, and $27,860.00 in cash.

Clarkson - $19,780.00, consisting of a 5% undivided interest in and to the leasehold rights covering the mining claims described in Exhibit A, said interest being valued for purposes of this agreement at $15,800.00, and $3,980.00 in cash.

No Special Partner shall be personally liable for any debts, engagements, or losses of the partnership in any event, or to any extent whatsoever.

VII.

That the capital contribution of the General Partners shall be as follows:

Uredco - $59,340.00, consisting of a 15% undivided interest in and to the leasehold rights covering the mining claims described in Exhibit A, said interest being valued for purposes of this agreement at $47,400.00, and $11,940.00 in cash.

Western - $59,340.00, consisting of a 15% undivided interest in and to the leasehold rights covering the mining claims described in Exhibit A, said interest being valued for purposes of this agreement at $47,400.00, and $11,940.00 in cash.

XI.

(a) Uredco shall be the General Manager of the partnership business and shall have the sold power, subject to existing contracts, to make all contracts for and on behalf of said partnership in the conduct of its business. Uredco shall have the sole power to declare, on behalf of the partnership, any contract and/or conveyance and/or lease in default or terminated. Provided, however, with respect to any contract, lease, or conveyance to or with a member of the partnership, such declaration shall not estop such member from contesting on its own behalf such alleged default or termination. A

bank account or accounts requiring the joint signature of two representatives of Uredco shall be established for the partnership and all partnership funds shall be deposited to the credit of such account or accounts, and all partnership expenditures except petty cash items shall be disbursed through such account or accounts.

(b) The power of general management herein vested in Uredco includes the power to sell, assign, sub-lease, transfer, convey, or enter into an operating agreement in respect to all or any part of the subject premises with the consent of Special Partners entitled in the aggregate to 40% of the net profits as set forth in Article X (a); provided, however, that Uredco shall furnish each of the Special Partners and Western with copies of all proposed agreements or other instruments pertinent to such transactions and shall keep Western and the other partners fully informed with respect to such negotiations and shall consult them for advice, but shall be required to obtain their approval to such transactions only to the extent herein provided. Provided, further, that the net profit interest, possibility of reverter, and other rights retained by the partnership under that certain contract dated July 15, 1958, by and between Uredco Associates, as one party, and Western and Western Drilling, as Vendees, while such contract is in effect, shall be sold, transferred, conveyed, or assigned only with the unanimous consent of the General Partners and the consent of Special Partners entitled in the aggregate to 60% of the net profits as set forth in Article X (a).

(d) Delete in its entirety.

(e) Uredco shall at all times during which subject premises are operated by the partnership cause the partnership to carry Workmen's

Compensation Insurance in accordance with the laws of the State of Wyoming and will cause the partnership to carry the following insurance coverage:

(1) Comprehensive General Liability, including automotive equipment, in the amount of $50,000/$100,000 to cover liability, and $10,000 property damage.

(2) Fire and extended coverage in the amount of $10,000.

XII.

(b) Uredco shall keep or cause to be kept proper books and records for the partnership showing the mining operations as well as any other operations conducted under this agreement and the proceeds therefrom. The General and Special Partners shall have the right at reasonable times through their duly designated agent to examine all books of account, assays, analyses, exploration and coring records, maps, shipping records and the like in connection with the performance of work hereunder, and the making of settlements therefor, and the General and Special Partners, through their agents, shall at all reasonable times have ingress to and egress from all of the subject premises for the purpose of examination or personal inspection of same. Uredco shall cause to be furnished to each of the partners periodically at reasonable intervals, a report setting forth the nature of the exploration, development and operations carried out on subject premises, with the results thereof.

(c) Uredco shall submit or cause to be submitted to the General and Special Partners an accounting covering the operations of subject premises and based on the Accounting Procedure set forth in Exhibit B hereto by the 30th day of the month following the close of the accounting period covered, and shall remit to the General and Special Partners with

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the accounting provided for herein all amounts due them pursuant to Article X hereof.

EXHIBIT B

ACCOUNTING PROCEDURE

II. Credits and Charges to Joint Account

B. 16. All costs and expenses of litigation incurred by Operator or legal services otherwise necessary or expedient for the protection of the subject premises, including attorney's fees, together with all judgments obtained against Operator on account of operations under this agreement, and actual expenses incurred by Operator in securing evidence for the purpose of defending against or prosecuting any action or claim pertaining to the titles to the leased premises or operations under this agreement other than expenses in any action in which the parties to this agreement are actual adverse parties. Cost of all curative title work. Provided, however, that litigation in which a member of the partnership is a party adverse to the partnership shall not be chargeable in the event such member prevails in such litigation.

The foregoing amendment shall be construed as if a part of the original Certificate of Special Partnership. The original Certificate of Special Partnership, except as herein expressly amended, shall remain in full force and effect, and no portion thereof other than paragraphs or sub-paragraphs expressly deleted herein or repeated in full herein shall be deemed to have been deleted by this amendment.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the _____ day of _____ 1958.

Attest:

_____
Secretary

URANIUM RESEARCH AND DEVELOPMENT COMPANY

By_____
President

Attest:

_____
Secretary

WESTERN URANIUM CORPORATION

By_____
President

Attest:

_____
Secretary

WESTERN DRILLING CORPORATION

By_____
President

_____
Donald S. Elrod

_____
Frances B. Clarkson

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OF M. E.
RECEIVED FEB 11 1959

DATE	INITIALS	CODE

STATE OF COLORADO)
CITY AND COUNTY OF: SS
DENVER)

On this _____day of July 1958, before me appeared ROBERT L. HARRIS, to me personally known, who, being by me duly sworn, did say that he is the President of Uranium Research and Development Company, and that the seal affixed to said instrument is the corporate seal of said company, and that said instrument was signed and sealed on behalf of said company by authority of its board of directors, and said Robert L. Harris acknowledged said instrument to be the free act and deed of said company, and who did further verify and say upon oath that the facts recited in said instrument are true and correct.

Given under my hand and seal the day and year last above written.

My Commission expires:

_____
Notary Public

STATE OF SOUTH DAKOTA)
: SS
COUNTY OF PENNINGTON)

On this _____day of July 1958, before me appeared J. E. ERICKSON, to me personally known, who, being by me duly sworn, did say that he is the President of Western Uranium Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said J. E. Erickson acknowledged said instrument to be the free act and deed of said corporation, and who did further verify and say upon oath that the facts recited in said instrument are true and correct.

Given under my hand and seal the day and year last above written.

My commission expires:

_____
Notary Public

STATE OF SOUTH DAKOTA)
: SS
COUNTY OF PENNINGTON)

On this _____day of July 1958, before me appeared HOWARD I. RUNDELL, to me personally known, who, being by me duly sworn, did say that he is the President of Western Drilling Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and said Howard I. Rundell acknowledged said instrument to be the free act and deed of said corporation, and who did further verify and say upon oath that the facts recited in said instrument are true and correct.

Given under my hand and seal the day and year last above written.

My commission expires:

_____
Notary Public

STATE OF ILLINOIS)
: SS
COUNTY OF COOK)

On this _____day of July 1958, before me personally appeared DONALD S. ELROD, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed, and who did further verify and say upon oath that the facts recited in said instrument are true and correct.

Given under my hand and seal the day and year last above written.

My commission expires:

_____
Notary Public

STATE OF WYOMING)
: SS
COUNTY OF FREMONT)

On this _____day of July 1958, before me personally appeared FRANCES B. CLARKSON, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed, and who did further verify and say upon aoth that the facts recited in said instrument are true and correct.

Given under my hand and seal the day and year last above written.

My commission expires:

_____
Notary Public

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EXHIBIT C

ACCOUNTING PROCEDURE

I. Definitions

1. The term "subject premises" as herein used shall be construed to mean the subject area covered by the agreement to which this accounting procedure is attached.

2. The term "operator" as herein used shall mean the Vendees.

3. The term "net profits account" shall mean the omnibus account established by the Operator covering all receipts from subject premises and all expenditure related to the exploration, development, operation and maintenance of the subject premises.

II. Credits and Charges to Net profit Account

A. Operator shall credit the net profit account with the following as received:

1. Prior to April 1, 1962, the gross proceeds received from the sale of production to the Atomic Energy Commission or its licensees, including all premium payments, development allowances, bonuses and haulage allowances.

2. Subsequent to March 31, 1962, gross proceeds received from the purchaser as shown by settlement sheets.

B. Subject to limitations hereinafter prescribed, operator in determining net operating profits shall charge the net profit account with the following items as incurred.

(a). In the event operator subcontracts the operation on the basis of a flat percentage of the gross proceeds, such percentage of the proceeds; the cost of all exploratory drilling exceeding 30,000 feet; royalties to the same extent as provided in (b) (1) (and subject to the same obligations) and administrative costs of $150.00 per month. Provided, however, that such charges shall be subject to the provisions of paragraph 7 of the agreement. No other costs shall be charged against the operation. Provided, further, that in charging the percentage of the gross proceeds payable hereunder there shall be deducted therefrom all amounts payable thereunder and inuring directly or indirectly to the benefit of the Vendees, any officer or director or any relative of an officer or director of the Vendees.

(b) In the event operator conducts the mining operation:

1. All royalties, advance royalties, D.M.E.A. and minimum royalties paid to the royalty owners. Provided, further, that to the extent advanced and/or minimum royalties have been heretofore paid and are offset against furture royalties the amount so offset shall be paid to Uredco Associates in its entirety and shall be charged hereunder.

2. All direct labor and other services necessary for the development and operation of the subject premises and for exploratory drilling by Vendees exceeding 30,000 feet.

3. The cost of transporting all minerals to the purchaser of same, but not to exceed the prevailing rates.

4. All materials and supplies purchased and/or transferred from its warehouse stocks or from its other properties for use on subject premises. Insofar as is practicable and consistent with efficient and economical operation, only such materials shall be purchased for or transferred to the subject premises as are required for current use and the accumulation of surplus stocks on the subject premises shall be avoided. Provided, however, that no materials or supplies shall be charged to this account more than once.

5. Cost of transporting employees, equipment, material and supplies necessary for the operating, development and exploratory drilling by Vendees exceeding 30,000 feet on the subject premises; provided, however, that if materials are moved to the subject premises from operator's warehouse or from other properties of the Operator, nocharge shall be made to the net operating account for a distance greater than the distance from the nearest reliable supply store or railway receiving point.

6. All taxes paid for the benefit of the parties hereto, including ad valorem, property, gross production, occupation and any other taxes assessed against the subject premises and the production therefrom or the operations thereon.

7. A proportionate share of the expense of maintaining and operating an office in the Gas Hills area or a city reasonably proximate to such area used in conducting the management of operations on the subject premises and other properties in the same locale, said allocation to be made by multiplying the cost thereof by the percentage obtained by dividing the direct labor costs and third party services contracted for directly attributable

to the subject premises by the total direct labor costs and third party services contracted for directly attributable to all of the operators' mining properties serviced by such facilities. The expense of maintaining and operating for purpose of this paragraph to include necessary clerical, stenographic, and bookkeeping personnel and supplies. Such costs, however, are not to include salaries of officers of Western and/or Western Drilling.

8. A proportionate share of the cost of boarding employees, if necessary, and of the expense of providing and maintaining on or in the vicinity of the subject premises all necessary camps, including housing facilities for employees if necessary. Said camp facilities must be reasonably necessary and are to be limited to facilities of the type generally used in this area for this purpose. Said allocation to be made on the following basis: By multiplying the cost thereof by the percentage obtained by dividing the direct labor costs and third party services contracted for directly attributable to the subject premises by the total direct labor costs and third party services contracted for directly attributable to all of the Operators' mining properties serviced by such facilities.

9. No part of the home office expense of Western and/or Western Drilling shall be chargeable.

10. The prorated portion (i.e. allocable to the subject premises) of any insurance premiums paid by the Operator covering men and equipment used in connection with said operations.

11. Rental cost of leased equipment used exclusively on subject operation and the allocated portion of rental cost of leased equipment used both on subject operation and in other activities of the Operator.

12. Any part of the development allowance that has to be returned because of the failure to perform the required development work.

13. For the use on subject premises of operator's exclusively owned facilities, utilities and equipment. Operator shall either lease such facilities, utilities and equipment or provide same and shall in no event charge the costs of same as distinquished from the costs of use of the same to the net profit account.

14. Any other expenditure incurred by the operator for the necessary and proper development and operation of the subject premises not in the nature of a capital asset.

III. Basis of Charges to Net Profit Account

1. Outside purchases: All materials and supplies purchased and all services procured from outside sources shall be charged at their actual cost to operator after deducting any and all trade and/or cash discounts actually allowed off invoices or received by operator.

2. New materials furnished by operator: New materials transferred to the joint property from operator's warehouse or other properties shall be priced on the basis of operator's average cost of such material and similar materials in operator's warehouse at the time such materials are furnished.

3. Second-hand materials furnished by operator: To be charged at their fair market value.

4. Operator's exclusively owned facilities:

a. Water service, gas, power and compressor service: All at rates currently prevailing in the field where the subject property is located.

b. Automotive and other equipment, camp facilities, housing, and other depreciable property: A fair rate ample to cover maintenance, repairs, insurance premiums and other charges, depreciation computed by the straight-line method (no equipment, camp facilities or housing to be amortized in a period of less than five years) and a return of 4% per annum on the net amount invested in such equipment and facilities. Provided, however, that such charges shall not exceed those currently prevailing in the field where the subject property is located.

c. Boarding of employees: The actual cost of any food served and the cost of preparing same.

d. Whenever requested, operator shall inform non-operator in advance of the rates it proposes to charge.

5. Nothing herein contained shall be deemed to permit any expenditure to be charged as an expense more than once.

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RECEIVED JAN 22 1958

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POWER OF ATTORNEY
TO
URANIUM RESEARCH AND DEVELOPMENT COMPANY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned ROCKET MINING CORPORATION, a Utah Corporation, and WESTERN URANIUM CORPORATION, a South Dakota Corporation, members of a Joint Venture Agreement with URANIUM RESEARCH AND DEVELOPMENT COMPANY, a Colorado Corporation (hereinafter called "Uredco"), under date of February 8, 1957, for themselves individually and jointly as members of said Joint Venture Agreement, have and do by these presents make, nominate, constitue and appoint Uredco their true and lawful agent and attorney in fact, for the companies above named, both individually and as joint ventures under the said Joint Venture Agreement, and in their name, place and stead, to do, make, execute and perform all and everything requisite and necessary to be done in and about The Rim Group of Claims, located in Sections 8, 9, and 17, Township 33 North, Range 89 West, 6th P.M. Fremont County, Wyoming, under an application for a Defense Minerals Exploration Loan to the United States Department of Interior entitled Docket No DMEA-4644 (Uranium) Rim Group Claims, Fremont County, Wyoming, and to do, make, execute and perform all and everything requisite and necessary to be done in and about the said Rim Group of Claims under any contract and/or loan granted by said Defense Minerals Administration under the said application and specifically, without limitation, to carry on all exploratory work specified in any such contract, to make, apply for, execute and perform any amendments to said contract, and to do everything in the executing and carrying out of the proposed exploration project represented by the above entitled DMEA loan application as fully and to all intents and purposes as the said ROCKET MINING CORPORATION and/or the said WESTERN URANIUM CORPORATION could do if personally present and active, either individually or as members of the said Joint Venture Agreement, hereby ratifying and affirming for both of the undersigned companies, individually and jointly, all that the said Uredco, substitute agent and attorney in fact, may do or cause to be done pursuant to or by virtue hereof.

IN WITNESS WHEREOF, the aforesaid ROCKET MINING CORPORATION and WESTERN URANIUM CORPORATION have hereunto affixed the signatures of their duly authorized officers and their seals this 30th day of September, 1957.

ATTEST: (Seal)

LeNore M. Gill
Secretary

ROCKET MINING CORPORATION

By: [illegible]
President

ATTEST: (Seal)

Wayne Erickson
Secretary

WESTERN URANIUM CORPORATION

By: J. Erickson
President

STATE OF UTAH)
: ss
COUNTY OF SALT LAKE)

On this September 30th, 1957, before me appeared R. J. GILL to me known personally, who being by me duly sworn, did say that he is the President of ROCKET MINING CORPORATION, a Utah Corporation, and that the seal affixed to this instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said R. J. GILL acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

My Commission Expires:

June 14, 1959

Jack A. DeBell
Notary Public

STATE OF ~~SOUTH DAKOTA~~ Wyoming)
: ss
COUNTY of Fremont)

On this ~~September 30th, 1957,~~ October 16, 1957 before me appeared J. C. Erickson to me known personally, who being by me duly sworn, did say that he is the President of WESTERN URANIUM CORPORATION, a South Dakota Corporation, and that the seal affixed to this instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said J. C. Erickson acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

My Commission Expires:

My Commission Expires Oct. 14, 1961

Charles M. Dell
Notary Public

POWER OF ATTORNEY

TO

URANIUM RESEARCH AND DEVELOPMENT COMPANY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned WESTERN URANIUM CORPORATION, a South Dakota corporation, member of a Joint Venture Agreement with URANIUM RESEARCH AND DEVELOPMENT COMPANY, a Colorado Corporation, (hereinafter called "Uredco"), under date of February 8, 1957, for themselves individually and jointly make, nominate, constitute and appoint Uredco their true and lawful agent and attorney in fact, for the company above named, both individually and as a joint venturer under the said Joint Venture Agreement, and in their name, place and stead, to do, make, execute and perform all and everything requisite and necessary to be done in and about The Rim Group of Claims located in Sections 8, 9 and 17, Township 33 North, Range 89 West, 6th P.M., Fremont County, Wyoming, under an application for a Defense Minerals Exploration Loan to the United States Department of Interior entitled Docket No. DMEA-4644 (Uranium) Rim Group Claims, Fremont County, Wyoming, and to do, make, execute and perform all and everything requisite and necessary to be done in and about the said Rim Group of claims under any contract and/or loan granted by said Defense Minerals Administration under the said application and specifically without limitation, to carry on all exploratory work specified in any such contract, to make, apply for, execute and perform any amendments to said contract, and to do everything in the execution and carrying out of the proposed exploration project represented by the above entitled DMEA loan application as fully and to all intents and purposes as the said WESTERN URANIUM CORPORATION could do if personally present and active, either individually or as a member of the said Joint Venture Agreement, hereby ratifying and affirming for the undersigned company all that the said Uredco, substitute agent and attorney in fact, may do or cause to be done pursuant to or by virtue hereof.

IN WITNESS WHEREOF, the aforesaid WESTERN URANIUM CORPORATION have hereunto affixed the signatures of their duly authorized officers and their seals this 18th day of ~~September, 1957.~~ January 1958.

ATTEST: (Seal)

Secretary

WESTERN URANIUM CORPORATION

By

President

This copy not needed in view of Joint Power ~~[illegible]~~ of attorney, dated Sept. 30, 1957.
MC.

POWER OF ATTORNEY TO URANIUM RESEARCH AND DEVELOPMENT COMPANY

STATE OF WYOMING)
) SS:
COUNTY OF Fremont)

On this 18th day of Jan. 1958, before me appeared J. E. Erickson, to me known personally, who, being by me duly sworn did say that he is the President of WESTERN URANIUM CORPORATION, a South Dakota Corporation, and that the seal affixed to this instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said J. E. Erickson acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand notarial seal the day and year last aforesaid.

My Commission Expires
My Commission Expires Oct. 14, 1961
(Seal)

Charles M. Dell
Notary Public

AGREEMENT

THIS AGREEMENT, made and entered into at Chicago, Cook County, Illinois, by and between Riverton Uranium Corporation, a Nevada Corporation, hereinafter referred to as Riverton Uranium, and Uranium Research and Development Company, a Colorado Corporation, hereinafter referred to as Uredco.

WHEREAS, Uredco has made application to the United States Department of the Interior, Defense Minerals Exploration Administration, Docket No. DMEA 4644 (Uranium), for exploratory assistance and is about to enter into a contract with said administration for the exploration of certain claims known as Rim Group Claims located in Secs. 8, 9 and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, and it is necessary in order to secure such contract that Uredco demonstrates it will and may be able to complete such contract in all events; and

WHEREAS, Riverton Uranium claims an interest in said mining claims adverse to the predecessors in interest of Uredco which is not yet fully litigated;

NOW THEREFORE, WITNESSETH:

That for and in consideration of the sum of one dollar in hand paid to Riverton Uranium, Riverton Uranium agrees to and with Uredco, and the Defense Minerals Exploration Administration of the Department of the Interior of the United States, that, notwithstanding anything to the contrary or inconsistent herewith, in event said Defense Minerals Exploration Administration enter into a contract with Uredco, Uredco will be permitted to complete the said contract according to its terms, so far as Riverton Uranium is concerned.

WITNESS the execution by and seals of the parties hereto in triplicate original the date first above.

Attest: Kirkpatrick W. Dilling
Secretary

(Corporate Seal)

RIVERTON URANIUM CORPORATION, a Nevada Corporation

By Albert W. Dilling
President

THE STATE OF ILLINOIS)
County of Cook) ss.

On this August 27th, 1957, before me appeared Albert W. Dilling, to me known personally, who, being by me duly sworn, did say that he is the President of Riverton Uranium Corporation, a Nevada Corporation, and that the seal affixed to this instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said Albert W. Dilling acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

(Seal)

Ingrid E. Olson
Notary Public
My Commission expires No

POWER OF ATTORNEY

STATE OF WYOMING }
County of Fremont } ss

KNOW ALL MEN BY THESE PRESENTS:

That I, Stan Freedman, of Fremont County, State of Wyoming, do hereby make, constitute, and appoint, Robert E. Fugshel, also known as R. E. Fugshel, and R. E. Harvey, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranium metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notice and certificates necessary and incidental therefor, and to apply for, receive and accept leases, instruments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, convey, trade, mortgage and execute, develop and produce, and market materials therefrom, to preserve the same by mortgage, hypothecate, lease, let, service, render, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to dispose any interest thereon, to supervise and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all claims in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the exercise of the powers herein granted, and to hold all interests I may have in such business enterprises, to provide and account for any and all sums of money or payments due or to become due, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof.

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof.

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

In Witness Whereof, I have hereunto set my hand this [illegible] day of [illegible]

Stan Freedman

STATE OF WYOMING }
County of Fremont } ss

On this [illegible] Stan Freedman, [illegible] foregoing Power of Attorney, and [illegible]

My commission expires: Oct 20, 1957.

POWER OF ATTORNEY

STATE OF WYOMING }
} ss
County of Fremont }

KNOW ALL MEN BY THESE PRESENTS:

That I, James Anspach, of Fremont County, State of Wyoming, do hereby make, constitute, and appoint, Robert E. Paschal, also known as R. E. Paschal, and E. G. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for gemstones, precious metals, ordinary commercial radioactive or fissionable materials and carbon materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notice and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and secure, develop and produce, and market materials therefrom, to preserve the same, to mortgage, hypothecate, lease, let, sublease, revoke, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem just and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, compromise, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the operation of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and generally of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually received in cash by reason of my said attorneys exercising of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 1st, 1954.

James Anspach

STATE OF WYOMING }
} ss
County of Fremont }

On this March 31, 1954, before me a Notary Public, personally appeared James Anspach, to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same [illegible] for the uses and purposes therein set forth.

[illegible] my official seal this March 31, 1954.

[illegible]
Notary Public

[illegible]

POWER OF ATTORNEY

STATE OF WYOMING)
) ss
County of Fremont)

KNOW ALL MEN BY THESE PRESENTS:

That I, A. S. Malls, of Fremont County, State of Wyoming, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notice and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

A. S. Malls
A. S. MALLS

STATE OF WYOMING)
) ss
County of Fremont)

On this ~~March~~ APRIL 21, 1954, before me ~~a Notary Public~~, personally appeared A. S. Malls, to me known to be the person described in and who executed the foregoing [illegible] attorney, and acknowledged to me that he executed the same as his free [illegible] for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this ~~March~~ 21, 1954.

[illegible]
Notary Public

My commission expires:
My term expires first Monday
in January 1955

COUNTY CLERK AND
EX OFFICIO REGISTER OF DEEDS

POWER OF ATTORNEY

STATE OF WYOMING)
) ss
County of Fremont)

That we, George Snyder and Emma Snyder, husband and wife, of Fremont County, State of Wyoming, do hereby make, constitute, and appoint, Robert E. Fuechsel, and L. S. Norton, and each of them, that either might act individually, our true and lawful attorney for us and in our names and stead, or in our names as our agent or attorney, to prospect for uranium, uranium metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and accept leases, instruments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting our interest therein, upon such terms as they or either of them shall or may deem meet and proper and for our best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all suits in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests we may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due us, and to pay any and all bills, accounts, claims or demands payable by us, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto our said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as we might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with and interest.

It is expressly stipulated that our attorneys above designated do not have power to obligate us personally to any charges, debts or obligations, in any amount greater than an amount we may have actually realized in cash by virtue of our said attorneys exercise of this power.

IN WITNESS WHEREOF, we have hereunto set our hands this October 15, 1953.

George Snyder
George Snyder

Emma Snyder
Emma Snyder

STATE OF WYOMING)
County of Fremont) ss

On this ~~March~~ May 22, 1954, before me a Notary Public, personally appeared George Snyder and Emma Snyder, husband and wife, to me known to be the persons described [illegible] executed the foregoing Power of Attorney, and acknowledged to me that [illegible] the same as their free act and deed, for the uses and purposes therein [illegible] forth.

[illegible] Notarial Seal this ~~March~~ May 22, 1954.

[illegible]
Notary Public

My commission expires: May 1, 1956

POWER OF ATTORNEY

STATE OF COLORADO)
) ss
County of Routt)

KNOW ALL MEN BY THESE PRESENTS:

That I, John Wilson Cary, of _____ County, State of Colorado, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

John Wilson Cary

STATE OF COLORADO)
County of Routt) ss

On this [illegible] day of [illegible] 1954, before me a Notary Public, personally appeared John Wilson Cary, to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein set forth.

[illegible] 1954.

Notary Public

My commission expires: December 6

POWER OF ATTORNEY

STATE OF COLORADO)
) ss
County of Routt)

KNOW ALL MEN BY THESE PRESENTS:

That I, Edward S. Cary, of Routt County, State of Colorado, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assign, develop, and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, revise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

Edward S. Cary
Edward S. Cary

STATE OF COLORADO)
) ss
County of Routt)

On this ~~March~~ April 16, 1954, before me a Notary Public, personally appeared Edward S. Cary, to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this ~~March~~ April 16, 1954.

(SEAL)

Notary Public

My commission expires: Dec 11-1956

[illegible]

[illegible]

[illegible]

[illegible] nable materials [illegible] locate [illegible]

[illegible] sell, warrant, trade, convey and [illegible]

[illegible] of [illegible]

[illegible] with [illegible]

[illegible] WITNESS WHEREOF, I have hereunto set my hand this October [illegible], 1[illegible].

Grant S. Hagen
Grant S. Hagen

State of WYOMING)
County of [illegible])

April 24th

[illegible] free act [illegible]

Witness my hand and [illegible] April 24.

R. Stewart
Notary Public

My commission expires:

city and

San Francisco

San Mateo County, State of California,

Notary Public

Notary Public

POWER OF ATTORNEY

STATE OF IOWA)
) ss
County of Woodbury)

KNOW ALL MEN BY THESE PRESENTS:

That I, Elwood Norton, of Woodbury County, State of Iowa, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests that may be required pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem [illegible] and for my own interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend [illegible] in [illegible] affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the exercise of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests [illegible] required by virtue hereof;

Giving and granting unto said attorneys, and to each of them that either may act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or cause to be done by virtue hereof;

[illegible] that by virtue of the undertakings [illegible] the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that the attorneys above designated do not have [illegible] liability to me personally to any creditors, debts or obligations, in any [illegible] or have actually realized in cash by virtue [illegible] attorneys under this power.

IN WITNESS WHEREOF, I have [illegible] October 1, [illegible].

Elwood Norton
Elwood Norton

State of Iowa) ss
County of Woodbury

[illegible] March 10th, [illegible], before me a Notary Public, personally appeared Elwood Norton, to me known to be the same person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this March 10th, 1954.

(SEAL) Notary Public

My commission expires:
July 4 - 1954

POWER OF ATTORNEY

State of ~~WASHINGTON~~ IOWA
County of Black Hawk } ss

KNOW ALL MEN BY THESE PRESENTS:

I, Meryl Norton Hearst of Black Hawk County, State of ~~Washington~~ Iowa, [illegible] make, constitute, and [illegible] Robert E. Fuechsel, also known as R. E. [illegible], and L. S. Newton, and [illegible] of me, that either might act individually, [illegible] attorney, to prospect for [illegible], uranium [illegible], and other [illegible] valuable material and source material, and to locate mining [illegible], lode or placer, to perform such location work or supervise and [illegible] thereon, and make, execute, post and record all notices and [illegible] assessment [illegible] thereof, and to apply for, receive and [illegible], instruments, [illegible] or mineral land and all or any [illegible] thereon, and [illegible] all licenses and permits necessary to be obtained [illegible] production and extraction of the minerals from such properties and interests [illegible] to grant, bargain, dispose of, sell, [illegible], [illegible], develop and produce, and market materials, [illegible], to reserve [illegible], to [illegible], hypothecate, lease, let, surrender, [illegible], [illegible], upon such terms and conditions, and under such [illegible], to buy or sell or [illegible] individually or shall think fit, [illegible] the interest [illegible]; superintend and manage such properties, [illegible], settle or compromise any disputes touching any matters affecting any [illegible] thereon, upon such terms as they or either of them shall or may deem [illegible] and for any [illegible] to; to sign, seal, make, execute, deliver, [illegible] such [illegible] instruments or agreements; to institute, [illegible], collect or satisfy judgments rendered, employ, counsel, and defend [illegible] all cases in action affecting same; to enter into partnerships, mining [illegible], or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I [illegible] have in such business enterprises, to receive and receipt for any and all [illegible] or payments due or [illegible] due me, and to pay any and all bills, [illegible], claims or demands payable by me, and result of the above and foregoing [illegible]; to transact all business affecting the properties and interests [illegible] directly by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either [illegible] individually, full power and authority to do and perform all and every [illegible] and things whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if [illegible] personally present; hereby ratifying and confirming all that my said attorney [illegible] lawfully do or cause to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have [illegible] to perform any [illegible] charges, debts or obligations, in any [illegible] than an amount I may have eventually realized in cash by virtue [illegible] attorneys-in-fact under this power.

IN WITNESS WHEREOF, I have hereunto set my hand this ~~October 13, 1953~~ May 13, 1954.

Meryl Norton Hearst

Meryl Norton Hearst

State of ~~WASHINGTON~~ IOWA
County of Black Hawk } ss

On this ~~March~~ May 13, 1954, before me a Notary Public, personally appeared Meryl Norton Hearst to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that she executed the same as her free act and deed, for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this ~~March~~ May ____, 1954.

Notary Public

My commission expires: July 4, 1954.

POWER OF ATTORNEY

STATE OF NEW YORK)
)
County of _____)

KNOW ALL MEN BY THESE PRESENTS:

That I, Helen Rivers, of _____ County, State of New York, [illegible] constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, any one of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable material and source materials, and to locate mining claims thereon, lode or placer, to perform such locations or supervise and [illegible] therein, and to make, execute, post and record all notices and certificates necessary and incidental thereto, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any [illegible] concerning any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and [illegible]; to sign, seal, make, execute, deliver, and [illegible] acquittances or agreements; to institute, prosecute, [illegible] defend, employ, counsel, and defend any and all suits in any court of this state; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the exercise of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands against me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

Helen Rivers
Helen Rivers

STATE OF ~~NEW YORK~~ California)
County of San Mateo) ss

On this ~~March~~ April 29, 19[illegible], before me a Notary Public, personally appeared Helen Rivers, [illegible] known to me to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this ~~March~~ April 29, 1954.

[illegible]
Notary Public

(SEAL)
My commission expires:
October 4, 1954

POWER OF ATTORNEY

STATE OF NEW YORK)
County of New York) ss

KNOW ALL MEN BY THESE PRESENTS:

That I, Ellsworth H. Merklee, of Nassau County, State of New York, hereby make, constitute, and appoint Robert E. Fuechsel, also known as R. E. [illegible], and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name and my [illegible] or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and [illegible] perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and [illegible] leases, muniments of title to minerals or mineral land and all or any [illegible] thereon, and any and all licenses and permits necessary to be obtained [illegible] production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, [illegible], trade, convey and assure, develop and produce, and market materials, [illegible], to preserve the same, [illegible], hypothecate, lease, let, surmise, [illegible], release, quitclaim, upon such terms and conditions, and under such [illegible], as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to compromise, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1955.

x Ellsworth H. Merklee
Ellsworth H. Merklee

STATE OF NEW YORK)
County of New York) ss

On this ~~March~~ May 11, 1954, before me a Notary Public, personally appeared Ellsworth H. Merklee, to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein set forth.

Witness my hand and Notarial Seal this ~~March~~ May 11, 1954.

(SEAL)

Notary Public

My commission expires:

POWER OF ATTORNEY

STATE OF ~~OKLAHOMA~~ Wyoming)
) ss
County of Fremont)

KNOW ALL MEN BY THESE PRESENTS:

That I, Mary H. Stevens, of Oklahoma County, State of Oklahoma, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

Mary H. Stevens
Mary H. Stevens

STATE OF ~~OKLAHOMA~~ Wyoming)
County of Fremont) ss

On this March 26, 1954, before me a Notary Public, personally appeared Mary H. Stevens, to me known to be the person described in and who executed the foregoing Power of Attorney, and acknowledged to me that she executed the same as her free and voluntary act for the uses and purposes therein set forth.

Witness my hand and official seal this March 26, 1954.

[illegible]
Notary Public

My commission expires:

POWER OF ATTORNEY

STATE OF WYOMING)
) ss
County of Natrona)

That we, E. D. Van Wagenen and May Van Wagenen, husband and wife, of Natrona County, State of Wyoming, do hereby make, constitute, and appoint, Robert E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, our true and lawful attorney for us and in our names and stead, or in our names as our agent or attorney, to prospect for uranium, uranium metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notices and certificates necessary and incidental thereto, and to apply for, receive and accept leases, assignments of title to minerals or mineral land and all or any interests therein, and to do all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surrise, remise, release, quitclaim upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting our interest therein, upon such terms as they or either of them shall or may deem meet and proper and for our best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all causes in action affecting same; to enter into partnerships, joining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests we may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due us, and to pay any and all bills, accounts, claims or demands payable by us, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired [illegible]

Giving and granting unto our said attorneys, and to each of them that either may act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as we might or could do if personally present; hereby ratifying and confirming all that my said attorneys shall lawfully do or consider necessary to be done by virtue hereof.

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that our attorneys above designated do not have power to obligate us personally to any charges, debts or obligations, in any amount greater than an amount we may have actually realized in cash by virtue of our said attorneys exercise of this power.

IN WITNESS WHEREOF, we have hereunto set our hands this October 15, 1953.

E. D. Van Wagenen

May Van Wagenen

STATE OF WYOMING)
County of Natrona) ss

APRIL

On this [illegible] 12, 1954, before me a Notary Public, personally appeared E. D. Van Wagenen and May Van Wagenen, husband and wife, to me known to be the persons described in and who executed the foregoing Power of Attorney, and acknowledged to me that they executed the same as their free act and deed, for the uses and purposes therein mentioned.

APRIL

Witness my hand and Notarial Seal this [illegible] 12, 1954.

Notary Public

My commission expires: 5-10-57

POWER OF ATTORNEY

STATE OF WASHINGTON)
) ss
County of King)

KNOW ALL MEN BY THESE PRESENTS:

That I, W. G. Van Wagenen, of King County, State of Washington, do hereby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. Fuechsel, and E. S. Norton, and each of them, that either might act individually, my true and lawful attorney for me and in my name and stead, or in my name as my agent or attorney, to prospect for uranium, uranous metals, and other associated radioactive or fissionable materials and source materials, and to locate mining claims therefor, lode or placer, to perfect such locations or supervise and direct perfection thereof, and make, execute, post and record all notice and certificates necessary and incidental therefor, and to apply for, receive and accept leases, muniments of title to minerals or mineral land and all or any interests therein, and any and all licenses and permits necessary to be obtained for the production and marketing of the minerals from such properties and interests as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, warrant, trade, convey and assure, develop and produce, and market materials, therefrom, to preserve the same, to mortgage, hypothecate, lease, let, surmise, remise, release, quitclaim, upon such terms and conditions, and under such covenants, as they or either of them acting individually may or shall think fit, and to disclaim any interest in same; to superintend and manage such properties, to adjust, settle or compromise any disputes touching any matters affecting my interest therein, upon such terms as they or either of them shall or may deem meet and proper and for my best interests; to sign, seal, make, execute, deliver, and acknowledge such conveyances or acquittances or agreements; to institute, prosecute, collect or satisfy judgments rendered, employ, counsel, and defend any and all choses in action affecting same; to enter into partnerships, mining ventures, or other business associations, the purposes of which are consistent with the execution of the powers herein granted, and to vote all interests I may have in such business enterprises, to receive and receipt for any and all sums of money or payments due or to become due me, and to pay any and all bills, accounts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests which may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either might act individually, full power and authority to do and perform all and every act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings contemplated at the date of this power of attorney, that this power is a power coupled with an interest.

It is expressly stipulated that my attorneys above designated do not have power to obligate me personally to any charges, debts or obligations, in any amount greater than an amount I may have actually realized in cash by virtue of my said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this [illegible] 15, 1954.

W. G. Van Wagenen

STATE OF WASHINGTON)
County of King) ss

[illegible] April 14, 1954, before me a Notary Public, personally appeared W. G. [illegible] known to be the person described in and who executed the foregoing [illegible], and acknowledged to me that he executed the same as his [illegible] for the uses and purposes therein set forth.

[illegible] and Notarial Seal this [illegible], 1954.

Notary Public

Commission expires
August 25, 1955.

POWER OF ATTORNEY

...OF UTAH)
) ss
...r Salt Lake

...ON ALL MEN BY THESE PRESENTS:

That I, Gates P. Christensen, of Salt Lake County, State of Utah, ...reby make, constitute, and appoint, Robert E. Fuechsel, also known as R. E. ...chsel, and E. S. Norton, and each of them, that either might act individually, ...ue and lawful attorney for me and in my name and stead, or in my name as my ...or attorney, to prospect for uranium, uranous metals, and other associated ...active or fissionable materials and source materials, and to locate mining ...ims therefor, lode or placer, to perfect such locations or supervise and ...t perfection thereof, and make, execute, post and record all notices and ...ificates necessary and incidental therefor, and to apply for, receive and ...cept leases, muniments of title to minerals or mineral land and all or any ...erests therein, and any and all licenses and permits necessary to be obtained ... the production and marketing of the minerals from such properties and inter-...ts as may be acquired pursuant hereto; to grant, bargain, dispose of, sell, ...rrant, trade, convey and assure, develop and produce, and market materials, ... from, to preserve the same, to mortgage, hypothecate, lease, let, surmise, ...e, release, quitclaim, upon such terms and conditions, and under such ...nts, as they or either of them acting individually may or shall think fit, ... disclaim any interest in same; to superintend and manage such properties, ...djust, settle or compromise any disputes touching any matters affecting my ...rest therein, upon such terms as they or either of them shall or may deem ...t and proper and for my best interests; to sign, seal, make, execute, deliver, ...knowledge such conveyances or acquittances or agreements; to institute, ...ute, collect or satisfy judgments rendered, employ, counsel, and defend ... all choses in action affecting same; to enter into partnerships, mining ...tures, or other business associations, the purposes of which are consistent ... the execution of the powers herein granted, and to vote all interests I ...ave in such business enterprises, to receive and receipt for any and all ... of money or payments due or to become due me, and to pay any and all bills, ...unts, claims or demands payable by me, and result of the above and foregoing transactions; to transact all business affecting the properties and interests ...ch may be acquired by virtue hereof;

Giving and granting unto my said attorneys, and to each of them that either ...t act individually, full power and authority to do and perform all and every ...act and thing whatsoever, requisite, necessary or proper to be done in and about the premises, as fully, to all intents and purposes, as I might or could do if personally present; hereby ratifying and confirming all that my said attorney shall lawfully do or consider necessary to be done by virtue hereof;

Hereby recognizing and acknowledging that by virtue of the undertakings ...emplated at the date of this power of attorney, that this power is a power ...ed with an interest.

It is expressly stipulated that my attorneys above designated do not have ...wer to obligate me personally to any charges, debts or obligations, in any ...t greater than an amount I may have actually realized in cash by virtue ... said attorneys exercise of this power.

IN WITNESS WHEREOF, I have hereunto set my hand this October 15, 1953.

Gates P. Christensen

...OF UTAH)
County of Salt Lake) ss

On this March 30, 1954, before me a Notary Public, personally appeared Gates P. Christensen, to me known to be the person described in and who executed the fore-going Power of Attorney, and acknowledged to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

...ficial Seal and Notarial Seal this March 30, 1954.

Notary Public

...ices:

AGREEMENT

THIS AGREEMENT, made and entered into June 19, 1957, by and between The Rim Group, a Mining Joint Venture of Lander, Fremont County, Wyoming, and Riverton Uranium Corporation, a Nevada Corporation,

WITNESSETH:

WHEREAS, The Rim Group, a Mining Joint Venture, is the original locator and owner of a group of lode mining claims situate generally in Sections 8, 9 and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, and

WHEREAS, there is presently litigation pending in the District Court of Fremont County, Wyoming, the Supreme Court of the State of Wyoming, and the United States District Court for the District of Wyoming , concerning the parties interests in and to such above-described property, and

WHEREAS, there is presently also pending an application for a Defense Minerals Exploration Administration Loan, identified by Docket No. DMEA-4644 (Uranium) Rim Group Claims, Fremont County, Wyoming, in the United States Department of the Interior, Defense Minerals Exploration Administration, made by Rocket Mining Corporation, a Utah Corporation, Western Uranium Corporation, a South Dakota Corporation, and Uranium Research and Development Company, a Colorado Corporation, a Joint Venture, present lessees of such above-described property, and

WHEREAS, it is the desire of the parties hereto to enter into an agreement under and by virtue of the terms of which Riverton Uranium Corporation will give its consent to the loan, the subject of the application above made, and will execute and deliver to the DMEA its "Consent to Lien and Subordination Agreement" insofar as its interests in the above-described properties are concerned, and to do all things necessary so that such DMEA loan application may be approved by the Government, in return for the covenants and conditions hereinafter contained to be kept and performed by The Rim Group.

NOW THEREFORE, for and in consideration of the premises and the mutual covenants and conditions hereinafter contained, each to the other, the parties do hereby agree:

1. That the Riverton Uranium Corporation, a Nevada Corporation, will upon the execution of this Agreement execute a "Consent to Lien and Subordination Agreement" and such other government forms as are necessary to accomplish final

approval of the United States Department of the Interior, Defense Minerals Exploration Administration, to that certain application docketed as No. DMEA-4644 (Uranium) Rim Group Claims, Fremont County, Wyoming.

2. That the aforesaid action on the part of Riverton Uranium Corporation shall in no way prejudice the position or rights of said Riverton Uranium Corporation, a Nevada Corporation, in any of its pending litigation in the District Court of Fremont County, Wyoming, the Wyoming State Supreme Court, or the United States District Court for the District of Wyoming, insofar as the parties hereto are concerned.

3. That in the event the said Riverton Uranium Corporation be successful in its litigation and acquire a leasehold interest in said above-described properties, all geological information, maps, reports, assays, etc., acquired by virtue of the exploration program conducted as the result of the aforesaid loan will be disclosed and turned over unto said corporation.

4. That the present outstanding land owners royalties shall remain in their present amounts and not be increased during the period of time of the pending litigation, it being understood that such above-described loan if approved shall be paid to the United States Government through royalties, and that this provision shall in no wise restrict or control in any way the requirements of the United States Government for the payment of the obligation upon these properties.

Dated this June 19, 1957.

RIVERTON URANIUM CORPORATION, A Nevada Corporation

By [signature]
President

Attest: [signature]
Secretary

(Corporate Seal)

THE RIM GROUP, a Mining Joint Venture

By E. S. Norton
E. S. Norton

By R. E. Fuechsel
R. E. Fuechsel

THE STATE OF WYOMING)
) ss
County of Fremont)

On this June 18th, 1957, before me appeared E. S. Norton and R. E. Fuechsel, to me personally known, being by me duly sworn, and did say that they are members of The Rim Group, a Mining Joint Venture, and that said instrument was signed in behalf of said mining joint venture by authority of its members, and said E. S. Norton and R. E. Fuechsel acknowledged said instrument to be the free act and deed of said Mining Joint Venture, and acknowledged said instrument to be the free act and deed of said E. S. Norton and R. E. Fuechsel.

Given under my hand and notarial seal the day and year last aforesaid.

(Seal)

William A. Smith
Notary Public

My commission expires: Sept. 10, 1960.

THE STATE OF ILLINOIS)
) ss
County of)

On this June 19, 1957, before me appeared Albert W. Dilling _____, to me personally known, who, being by me duly sworn, did say that he is the President of Riverton Uranium Corporation, a Nevada Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Albert W. Dilling _____ acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

(Seal)

Ingmar E. Olsen
Notary Public

My commission expires: 11/22/60

SUPPLEMENT TO AGREEMENT

THIS SUPPLEMENT TO Agreement of even date by and between the Rim Group, a Mining Joint Venture of Lander, Fremont County, Wyoming, and Riverton Uranium Corporation, a Nevada corporation,

WITNESSETH:

WHEREAS, As of even date, the parties hereto have entered into an agreement concerning an application for a Defense Minerals Exploration Administration loan (identified by Docket No. DMEA-4644 (Uranium) Rim Group Claims, Fremont County, Wyoming, in the U. S. Department of the Interior, Defense Minerals Exploration Administration), and other matters, and said parties desire by this supplement to clarify provisions for royalty payments to which Riverton Uranium Corporation shall be subject in the event that it prevails in certain litigation (described more fully in the aforesaid agreement) whereby it asserts mining rights in said Rim group property, Paragraph 4 of said agreement having dealt with such royalty matter;

NOW THEREFORE, For and in consideration of the premises and the mutual covenants and conditions hereinafter contained, each to the other, the parties do hereby agree:

1. That the land-owners', or claim-owners' royaltios heretofore arrived at by agreement between the Rim group and Mountain Mesa Uranium Corporation, a Wyoming Corporation, and the aforesaid Rocket Mining Corporation, respectively (but not by agreement with Riverton Uranium Corporation), shall remain in an amount aggregating Seven and one-half per cent (7½%), and shall not be increased over and above said Seven and one-half per cent (7½%) in the event that Riverton Uranium Corporation prevails in the aforesaid litigation, establishing that it has mining rights in the said Rim Group property, and that any such mining rights shall therefore be subject to a Seven and one-half per cent (7½%) maximum claim-owners' royalty; in the event that Riverton Uranium Corporation establishes such

mining rights, it shall be understood that its said mining rights shall also be subject to repayment, by way of royalty remittance to Defense Minerals Exploration Administration, under its rules and regulations, of sums which said Government agency advances in connection with the aforesaid pending application (Docket No. DMEA 4644), aggregating a maximum royalty of Five per cent (5%), however, the maximum royalty payable in connection with said Rim group property by Riverton Uranium Corporation, or its assignees, transferees, or successors, being therefore, under any and all circumstances, Twelve and one-half per cent (12½%); it is also recognized that the Rim group has agreed with said Mountain Mesa Uranium Corporation that it shall receive an additional two and one-half per cent (2½%) royalty until the sum of $38,000.00 has been remitted to Mountain Mesa from total royalties accruing to said Corporation.

2. The undersigned attorney and agent for the Rim Group and one of the joint venturers, WILLIAM A. SMITH, of Lander, Wyoming, hereby warrants that he has full power and authority from the aforesaid Rim Group, a Mining Joint Venture, to execute this supplemental agreement on behalf of said joint venture.

DATED At Chicago, Illinois, this 19th day of June, 1957.

THE RIM GROUP, a Mining Joint Venture,

By William A. Smith
William A. Smith
Its Duly Authorized Attorney and Agent, and One of the Joint Venturers.

RIVERTON URANIUM CORPORATION, a Nevada Corporation

By Albert W. Selling
President

Attest:

Kenneth W. Selling
Secretary

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

On this June 19, 1957, before me appeared WILLIAM A. SMITH, to me personally known, being by me duly sworn, and did say that he is a member of the Rim Group, a Mining Joint Venture, its duly authorized attorney and agent, also, and that said instrument was signed in behalf of said mining joint venture by authority of its members, and said WILLIAM A. SMITH acknowledged said instrument to be his free act and deed and the free act and deed of said Mining Joint Venture.

Given under my hand and notarial seal the day and year last aforesaid.

Ingeborg E. Olson
Notary Public

My commission expires: 11/22/60

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

On this June 19, 1957, before me appeared ALBERT W. DILLING, to me personally known, who, being by me duly sworn, did say that he is the President of Riverton Uranium Corporation, a Nevada Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said ALBERT W. DILLING acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

Ingeborg E. Olson
Notary Public

My commission expires: 11/22/60

2 copies

DMEA
DEPARTMENT OF THE INTERIOR
APR 2 - 1957
REGION VII
DENVER, COLORADO

Water Wells
DRILLED and REPAIRED

KEY-CITY DRILLING CO.

Sturgis, South Dakota

February 16, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE

Dr. Ralph Erickson
General Manager
Uranium Research & Development Co.
P.O. Box 605
Denver, Colorado

Dear Mr. Erickson:

In regard to your letter dated February 14, 1957, I do hereby include a bid for drilling of 140 holes, average depth of 250 feet located in sections 17, 8 and 9, township 33N, range 89W. A $1.10 for all air drilling and a $1.55 for all water drilling.

I would provide only such necessary equipment as to drill holes. All roads, mud and any special equipment necessary would have to be furnished by you.

I hope that meets with your requirements.

Respectfully yours,

Lyle O. Gant

Lyle O. Gant
Key-City Drilling Co.
Sturgis, South Dakota

LG:ms

DMEA
DEPARTMENT OF THE INTERIOR
APR 2 - 1957
REGION III
DENVER, COLORADO

March 25, 1957

AIRMAIL

Uranium Research & Development Co.
209 Denham Bldg.
Denver 2, Colorado

Gentlemen:

Please find following our bid for drilling on your property:

$ 1.15 per foot for straight pluggin on 31,500 feet of drilling, which would be about 126 holes to be drilled to an average depth of 250 feet per hole. Air will be used as far as possible.

Very truly yours,

Barnes Drilling Co. - LE

Barnes Drilling Co.
Box 1391
Huron, South Dakota

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DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE

4 copies

DMEA
DEPARTMENT OF THE INTERIOR
APR 2 - 1957
REGION III
DENVER, COLORADO

YELLOW QUEEN URANIUM CO.

~~XXXXXXXXXXXXXXXXXX~~ 15
DENVER 1/COLORADO

850 Reed St.
BElmont 3-9054

Feb. 19, 1957

Uranium Research and Development Co.
209 Denham Building
Post office Box 605
Denver 1, Colorado

Gentlemen:

We respectfully submit our drilling a plus or minus 31,500 ft. (5000'± max.) bid for rotary drilled probe holes on Section 8,9,17, T3N, R79W, Fremont County, Wyoming as follows:

Drilling and furnishing all equipment, materials, labor, transportation, tools and supplies for drilling 50' to 400' depth holes ready for immediate probing, using a Mahew 1000 drill at the rate of 95¢ per foot.

WET OR DRY
GBF

No drill site leveling or road building or casing is included in the above price.

Very truly yours,

Yellow Queen Uranium Company

GBF

George B. Friden

GBF/bv

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RECEIVED APR 8 1957

DATE	INITIALS	CODE

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

224 New Customhouse
Denver 2, Colorado

February 15, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Uranium Research and Development Corporation (Rim Group claims) Fremont County, Wyoming

Enclosed are the original and two copies of the subject application in the amount of $86,834.00. One copy of the application is being retained in the Denver Office files.

Drilling bids mentioned by the Applicant in his transmittal letter will be forwarded to you when received. The proposal is from three corporations who have formed a joint venture, and the attached agreements will, no doubt, require legal review. The program appears somewhat over optimestic and may require considerable downward revision if it is referred to the field.

W. M. Traver

W. M. Traver

Enclosures

"UREDCO"

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE

URANIUM RESEARCH AND DEVELOPMENT CO.
209 Denham Building Postoffice Box 605
TELEPHONE ALpine 5-1595
DENVER 1, COLORADO

February 13, 1957

DMEA
DEPARTMENT OF THE INTERIOR
FEB 14 1957
REGION III
DENVER, COLORADO

Mr. W. M. Traver
Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Dear Mr. Traver:

Enclosed is our application for a DMEA loan on Federal claims in parts of Secs. 8, 9 & 17, T. 33 N., R. 89 W., Gas Hills district, Fremont County, Wyoming. The geologic maps and survey maps are in a separate mailing tube. The enclosures include:

1. Form 103.
2. Itemized list of Western Uranium Corporation's operating equipment.
3. Assay sheets of previous drilling.
4. Geologic report.
5. Geologic map.
6. Survey map of claims showing location of proposed drill holes.
7. Memorandum agreement between Uranium Research and Development Company, Western Uranium Corporation and Rocket Mining Corporation, setting forth the provisions of our joint venture.
8. Lease agreement between Rocket Mining Corporation and the Rim Group people.
9. Agreement between Rim Group people and Mountain Mesa Uranium Corporation.

Invitations for bids on the proposed drilling project have been sent out and will be mailed to your office as soon as received.

Very truly yours,

URANIUM RESEARCH AND
DEVELOPMENT COMPANY

Robert L. Harris

Robert L. Harris
President

RLH:jp
Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DMEA
DEPARTMENT OF THE INTERIOR
FEB 14 1957
REGION III
DENVER, COLORADO

Not to be filled in by applicant

Docket No. 4644
Metal or Mineral Uranium
Date Received 2-18-57
Estimated Cost $86,834.00
Participation (Government %)

RECEIVED FEB 18 1957 D.M.E.A.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Uranium Research and Development Company, 209 Dehham Building, Denver, Colorado, a Colorado Corporation
President Robert L. Harris, 2252 S. Raleigh, Denver, Colorado
Vice Pres. Robert P. McNeal, 160 Allison Street, Denver, Colorado
Sec. Treas. Eugene M. Shearer, 3900 E. Dartmouth, Denver, Colorado

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Federal claims

Rim 1 through 9	Book 117,	Mineral Register,	pp.	188-196	Sec. 17, 33N, 89W
Rim 16-23 and 26-30	Book 117,	"	"	197-209	Secs. 8 & 17, 33N, 89W
Rim 34, 35, 39, 40	Book 117	"	"	210-213	Sec. 9, 33 N, 89W

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

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

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

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

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

(See attached sheets for #4.)

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

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

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

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

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

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

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

(*c*) The work will start within 15 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated February 12th, 1957

URANIUM RESEARCH AND DEVELOPMENT COMPANY
(Applicant)

By Robert L. Harris, President

Robert L Harris Pres

Eugene M. Shuman, Sec-Treas

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

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

URED CO
209 DENHAM BUILDING
DENVER 2, COLORADO

RIM GROUP PROSPECT

3. Nature of Interest

(c) Our interest is a leasehold interest subdivided as follows.

Rocket Mining Corporation	60%
Western Uranium Corporation	24%
Uranium Research & Development Company	16%

Following are the officers of the first two named companies:

Rocket Mining Corporation, 1269 Malvern Avenue, Salt Lake City, Utah, a Utah Corporation.

President	R. J. Gill, 1269 Malvern Ave., Salt Lake City, Utah.
Vice President	William A. Smith, Lander, Wyoming
Sec.-Treas.	Lenore Gill, 1269 Malvern Ave., Salt Lake City, Utah.

Western Uranium Corporation, Box 108, Belle Fourche, South Dakota.

President	J. E. Erickson, Belle Fourche, South Dakota.
Vice President	John Niemi, Buffalo, South Dakota.
Secretary	Wayne Erickson, Belle Fourche, South Dakota.
Treasurer	F. Brady, Spearfish, South Dakota.

This application is made on behalf of all the leasehold interest as above set forth. Appropriate powers of attorney giving Uranium Research and Development Company authority to act as working operator will be secured on approval of this application.

A copy of the lease agreement is attached to this application.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

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4. Physical Description

(a) No mining operations have been conducted upon the land. There are no mine workings or production facilities.

Seventeen test holes have been drilled on the property during a brief exploration period in the early part of October 1956.

A test pit about 15 feet deep and several shallow drill holes (10 feet) were put down on a surface radioactivity anomaly in the northern part of claim #35 by a previous lessee. The present lessee (Rocket Mining Corporation) conducted a very limited program in this same area in October 1956. Seven drill holes ranging in depth from 105 to 120 feet were drilled in the upper arkosic unit of the Wind River formation. Mineralized sections in the unoxidized zone ranging from 2 to 12 feet thick were discovered in six of the seven holes. Chemical analyses of 2-foot cuts of air drilled cuttings ranged from .025 to .115 U_3O_8.

All samples but one were out of equilibrium in favor of chemical uranium. The location of these holes is shown on the accompanying geologic map, and the assay data sheets are also attached.

Two holes were drilled to a depth of 120 feet on claim #55. Both holes show low grade mineralization in the oxidized zone at depths ranging from 0 to 60 feet. No samples were assayed because mineralization occurred in the oxidized zone and is probably out of equilibrium in favor of e U. and no mineralization greater than 0.1 percent e U_3O_8 was indicated by the Babbel probing unit.

Three holes were drilled on claim #5 to depths of 75, 105 and 100 feet with negative results.

Two holes were air drilled on claim #30 to depths of 70 feet. Lost circulation at 70 feet prevented drilling into the unoxidized zone, the principal target of the exploration program.

Three holes were drilled to depths of 70, 75 and 105 feet in the western part of claim #35. Two of these holes did not penetrate the unoxidized zone. No anomalous radioactivity was detected.

Photogeologic mapping has been conducted on the property and field checked on the ground. A scintillometer survey has also been conducted on the property. A geologic report and photogeologic map is attached.

These operations were done entirely for Rocket Mining Corporation.

(b) There has been no past and is no current production on the property. No ore reserves have been established.

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(c) (See accompanying Geological Report and Map.) Detailed mapping of the Wind River formation by the U. S. Geological Survey and Atomic Energy Commission in the last two years has demonstrated that many of the uranium deposits in the Gas Hills appear to be controlled by faulting which through development of impermeable gauge zones acted as traps permitting accumulation of uranium in favorable host rocks. Some preliminary work by H. D. Zeller of the U. S. G. S. suggests that the configuration of the Pre-Wind River erosion surface may have some effect on the localization of uranium deposits. Preliminary structural maps on this surface indicate that the principal mineralized areas are underlaid by lows in this erosion surface.

The Rim Group of claims has the Wind River formation present over the entire area. Photogeologic interpretation has shown the presence of many alignments, drainage, topographic and vegetation, that may be the result of faulting. This mapping also permits the projection of Pre-Wind River ridges and valleys beneath the Wind River formation on the Rim Group. The Frontier sandstone, Mowry and Cloverly formations may be projected as nearly east-west ridges separated by Thermopolis and Frontier shale valleys.

Radioactivity anomalies as high as 1 mr/hr on a Model 111B Scintillator have been detected at several localities on the claims. Abnormal concentration of uranium (270 ppb) in the water at Iron Spring Reservoir on the south edge of property has been reported by the U. S. G. S. Analyses of three selected samples by the U. S. G. S. from the eastern part of claim #59 (not included in this application) showed 0.56, 6.2 and 0.30% uranium.

The brief drilling program in October of 1956 on claim #35 indicated mineralization in the unoxidized "blue" zone ranging from 8 to 12 feet in thickness and .025 to .115 chemical uranium in assays of 2-foot cuts of air drilled samples.

Thus Rocket Mining Corporation feels the Rim Group of claims is worthy of an intensive exploration program because:

1. Geologic mapping shows the occurrence of many surface alignment that may be the result of faulting. Faulting appears to be an important ore control.

2. A series of Pre-Wind River ridges and valleys may be projected beneath the Wind River formation on the property. The topographic lows on this erosion surface may be an ore control.

3. Numerous surface radioactivity anomalies ranging from weak to very strong occur on the property.

4. Preliminary drilling in the unoxidized "blue" zone indicates the presence of uranium mineralization near ore grade concentration and with appreciable thicknesses.

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(d) The property is easily accessible by gravel and dirt road from Riverton, a supply and residence point, about 55 miles northwest. These roads are well maintained year around. Numerous dirt roads that will accommodate passenger cars during dry weather traverse the claim group.

(e) Manpower, materials, supplies and equipment can be obtained from Riverton. Water is available on the property and from pits on adjoining properties.

5. The Exploration Project

(b) Photogeologic mapping, field checking and radiometric reconnaissance on the property has been completed by Uranium Research and Development Co., and areas believed to be favorable for the occurrence of uranium deposits have been defined using the criteria for "favorable ground" developed by the U.S.G.S. and A.E.C. in this area. The purpose of the loan application is to explore the "favorable ground" by drilling.

The exploration project is divided into Stage I and Stage II. The objective of Stage I is three-fold.

1. To prove or disprove the surface alignments detected on aeriall photographs as faults thus outlining areas favorable for accumulation of uranium.

2. To outline as well as possible the Pre-Wind River erosion surface both by projection and by drill holes to this surface.

3. To test for ore bodies in the areas of strong surface anomalies and where previous drilling has indicated the occurrence of uranium mineralization.

The proposed work in Stage I consists of 126 drill holes as shown on the claim map. No drill holes are proposed for claims #58 and #59 because of possible conflicts on the eastern portion of these claims. The holes are on 500 foot centers and their depth will be governed by the thickness of the Wind River formation which can be expected to vary from less than 100 feet in the northwestern part of the area to as much as 400 feet in the southeastern part. It shall be the responsibility of the geologist in charge to pick this contact; for purposes of the loan application the average depth may be assumed to be 250 feet. In all cases the holes should penetrate the Pre-Wind River erosion surface. Recent exploration activity and new ore discoveries by some of the major companies in the district have demonstrated the desirability of drilling to this surface.

The holes will all be rotary drilled with air in Stage I insofar as possible, then changed to water drilling when necessary.

(d) Uranium Research and Development Co. is primarily a geological company. We have had very slight mining experience at this time, but the officers of the company have all had considerable experience in the various phases of the oil business. The geologists have had experience with uranium in U.S.G.S., in consulting, and in company operations.

The geologist who will supervise the operations has had four years experience with the U.S.G.S. - two years in uranium work and two years with other minerals. He has spent 1 1/2 years since leaving the U.S.G.S. with Uranium Research and Development Company of Denver as chief geologist. He did the surface checking and radiometric work on the Rim Group and supervised the drilling of the holes already on the property.

Western Uranium Corporation is primarily a drilling and engineering firm. They have had several years experience in drilling uranium prospects on the Colorado Plateau, Black Hills of South Dakota and Wyoming, and the Gas Hills district in Wyoming. They own a Mayhew 1000 rotary drilling rig, equipped to drill with air or water and to core. They also own a water truck, jeep pickup truck, jeep station wagon and other equipment necessary to successful drilling operations.

Rocket Mining Corporation is primarily an exploration company. They had some mining experience in the Temple Mountain district, Emery County, Utah.

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209 DENHAM BUILDING
DENVER 2, COLORADO

6. Estimate of Costs - Stage I

(a) Independent Contracts	
Bulldozing	$ 409.50
(b) Labor Supervision, consultants	3,600.00
(c) Operating materials and Supplies	630.00
(d) Operating Equipment	31,500.00*
(e) Rehabilitation and repairs	------
(f) New buildings, improvements, installations	------
(g) Miscellaneous	1,260.00
(h) Contingencies	374.00
	$ 37,773.50

(a) Independent Contract
Bulldozer
15 minutes per drilling site (126) @ $13 per hour 409.50

(b) Supervision

Supervision geologist-halftime at $800/mos for 3 mos.	1,200.00
Field geologist-fulltime at $500/mos for 3 mos.	1,500.00
Field expenses for geologist at $300/mos for 3 mos.	900.00
Total	3,600.00

(c) Operating materials and equipment
Radiometric probes for holes 630.00
(estimated use allowance $0.02/ft)

(d) Operating Equipment
Drilling rig (Mayhew 1000), water truck, jeep truck, jeep station wagon; and all personnel, fuel, power, drill steel, bits and other equipment necessary to drill Phase I to be furnished by Western Uranium Corporation (a co-leaseholder).
Suggested use allowance - $1.00/ft., 31,500 feet 31,500.00*

(g) Miscellaneous
Assays (252 assays or 2 per hole at $5.00/assay) 1,260.00

(h) Contingencies
Computed at 1.0% of cost 374.00

Stage II

Stage II is estimated to cost approximately the same as Stage I. Some coring will probably be necessary so that less footage will be drilled for the Stage II cost.

Operating Equipment
To be furnished by Western Uranium Corporation
(Co-leaseholder)

Itemized List

1. Drill rig; Mayhew 1000, 1955 model; mounted on F800 Ford, 1955; equipped with:

   a. 700 feet Mayhew regular drill pipe
   b. 20 foot core barrel
   c. Miscellaneous inventory of diamond bits, regular bits, all hand tools, leveling jacks.

2. F 700 water truck; vacuum tank, 800 gallon capacity.

3. Willys Jeep Station Wagon; 4 wheel drive, 1954.

4. Willys Jeep pickup; 4 wheel drive, 1954.

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209 DENHAM BUILDING
DENVER 2, COLORADO

RAYNEL MINERAL SERVICES

Geological Engineering Chemical

Box 417 -- Lander, Wyoming

UREDCO
209 DENHAM BUILDING
DENVER 2, COLORADO

10 October 1956

Rocket Mining Corporation
Salt Lake City, Utah

WE HEREBY CERTIFY that the samples assayed for you gave the following results

Sample No.	Hole No.	Depth	$\%U_3O_8$ Chem.	%eU
1	35-3	90-94	0.025	0.018
2	35-3	94-96	0.035	0.014
3	35-3	96-98	0.035	0.020
4	35-2	80-84	0.037	0.028
5	35-2	84-86	0.028	0.020
6	35-2	86-88	0.037	0.010
7	35-2	88-90	0.041	0.018
8	35-1	93-95	0.016	0.016
9	35-1	95-97	0.051	0.046
10	35-1	97-99	0.089	0.082
11	35-1	99-101	0.007	0.023
12	35-1	102-104	0.115	0.068
13	35-1	103-105	0.061	0.044
14	35-6	101-103	0.045	0.040
15	35-6	103-105	0.048	0.040

Raynel Mineral Services

/s/ James C. Neil

"UREDCO"

URANIUM RESEARCH AND DEVELOPMENT CO.

209 Denham Building Postoffice Box 605

TELEPHONE ALpine 5-1595

DENVER 1, COLORADO

February 7, 1957

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DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE

RIM GROUP CLAIMS
GAS HILLS URANIUM DISTRICT
FREMONT COUNTY, WYOMING

GEOLOGIC REPORT

Location and Accessibility

The Rim Group Claims (42) are in parts of Secs. 8, 9 & 17, T. 33 N., R. 89 W., Fremont County, Wyoming in what is locally called the East Gas Hills Uranium District. The area is most easily accessible by gravel and dirt road from Riverton 55 miles northwest. Moneta, on U. S. Highway 20, is about 30 miles north.

Several mines (open pit operations) have been opened in this area in the past year. The Levi Construction mine is off the southeast corner of the Claim group. The Aljab mines are about one mile east; the Vega and Two States mines are within one and one-half miles to the southeast.

Photo-geologic mapping, surface checking and radiometric reconnaissance have been completed on the East Gas Hills Uranium District.

Geology

The Wind River formation of lower Eocene age crop out over the entire Claim group and unconformably overlies steeply dipping older beds that form the buried north to northeastern flank of the Dutton Basin anticline. The regional dip of the Wind River beds is 2° to 3° south to southwest.

The Wind River formation in this area consists of an upper coarse-grained facies, 0-900 feet thick, and a lower fine-grained facies, 0-130 feet thick. Consultation with the U. S. Geological Survey suggests that only the upper facies is present on the Rim Group and probably ranges from less than 100 feet to 400 feet thick. This coarse-grained facies is composed of yellowish gray to dusky yellow, coarse-grained to conglomeratic arkosic sandstone. The beds are poorly sorted, calcareous and ferruginous in part and commonly cross bedded.

Numerous lineations (topographic, drainage and vegetation) that may represent fault trends have been detected on the aerial photographs. In

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nearby areas, many of these lineation patterns were checked by seismic means by the U.S.G.S. and found to be due to faulting.

Ore Controls

Detailed mapping in the Gas Hills district by the U.S.G.S. and A.E.C. in the last 2 years has demonstrated that all uranium deposits and all ore production is from the Wind River formation and that many of the deposits appear to be controlled by faulting, which through the development of impermeable gouge zones, has acted as a trap permitting accumulation of uranium in favorable host rocks. A second and much more difficult control to establish has been suggested by the work of H. D. Zeller of the U. S. G. S. Structure contours plotted from drill hole data on the Pre-Wind River erosion surface indicate that the principal mineralized areas are underlain by lows on this erosion surface.

Through the mapping program conducted by Uredco, these two general criteria for favorable ground delineation are shown to occur on the Rim Group Claim.

The lineations are plotted on the geologic map and the ridges and valleys developed in Pre-Wind River rocks may be projected beneath the Wind River formation from west to east on the Rim Group Claim. The Frontier sandstone, Mowry and Cloverly formations will project as ridges. The Thermopolis and Frontier shales will project as valleys.

Radioactivity and Previous Exploration

Several surface radioactivity anomalies up to 1.5 Mr/hr have been detected on the property (see Geologic map). Water samples collected from Iron Spring Reservoir at the west border of the claims contained 270 ppb uranium. This is the second highest water sample obtained in the U.S.G.S. in the Gas Hills district. It is worthy of note that this drainage must flow from east to west across the Claim group. Three selected surface samples collected by the U.S.G.S. from Claim 59 contained 0.56, 6.2 and 0.30% uranium.

Seventeen holes were drilled in a limited exploration program conducted in October 1956. Seven holes drilled on Claim #35 indicated mineralization ranging from .025 to .115 over an eight to twelve foot continuous thickness in the unoxidized "blue" zone at depths of 85 to 105 feet. These assays were made on 2-foot cuts of air drilled samples. All samples but one were out of equilibrium in favor of chemical uranium.

Two holes drilled to a depth of 120 feet on Claim #55 show low grade mineralization in the oxidized zone.

Two holes were drilled on claim #30 to depths of 70 feet. Lost circulation at 70 feet prevented drilling into the unoxidized zone, the principal target of the exploration program.

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Three holes on claim #5 and three holes near the west edge of claim #5 were negative. Half of these holes did not penetrate the unoxidized zone because of lost circulation.

Conclusions

The preliminary geological work indicates that the Rim Group of Claims is worthy of an intensive exploration program because:

1. Geologic mapping shows the occurrence of many surface lineations that may be due to faulting. Faulting appears to be an important ore control.

2. A series of Pre-Wind River ridges and valleys may be projected beneath the Wind River formation on the property. The topographic lows on this erosion surface may be an ore control.

3. Numerous surface radioactivity anomalies ranging from weak to very strong occur on the property.

4. Preliminary drilling in one locality indicates uranium mineralization near ore grade concentration and of appreciable thickness in the unoxidized "blue" zone.

Recommendations

A Phase I drilling program should be initiated on this property as soon as weather permits to:

1. To prove or disprove the surface lineations detected on aerial photographs as faults thus outlining areas favorable for the accumulation of uranium.

2. To outline as well as possible the Pre-Wind River erosion surface by projection and by drill holes to this surface.

3. To test for ore bodies in areas of strong surface anomales and where previous drilling has indicated uranium mineralization.

The proposed work in Stage I would consist of approximately 140 holes on 500 centers - drilled through the Wind River formation to the unconformity surface. The thickness of the Wind River is estimated to range from less than 100 feet in the northwest part of the Claim group to 400 feet in the eastern and southern portion. For purposes of cost computations the average hole depth may be assumed to be 250 feet. All of these holes will be rotary drilled with water.

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No. of holes	Average depth	Total depth	Unit Cost (ft)	Estimated drilling cost
140	250'	35,000	$1.00	$35,000
Bulldozing drilling locations				
15 minutes per site @ $12.00 per hour				2,100
Geological Services				
3 months at $1200 per month				3,600
Assays and third party services				
$0.05 per foot				1,750
Total Phase I program				$42,450

If sufficient mineralization is encountered to warrant Stage II or development drilling, the estimated cost will be the same as Stage I ($40,000).

Very truly yours,

Ralph L Erickson

Ralph L. Erickson
Geologist

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AGREEMENT

THIS AGREEMENT, made and entered into December 7, 1956, by and between The Rim Group, a mining joint venture, and Mountain Mesa Uranium Corporation, a Wyoming Corporation.

WHEREAS, the parties hereto are about to undertake trial of Civil Cause 9062, pending in the District Court of Fremont County, Wyoming; and

WHEREAS, it is the desire and intent of the parties to settle such litigation before trial; and

WHEREAS, the premises, the subject matter in litigation thereof, consists of mining claims and The Rim Group has obtained an operator therefor on favorable terms, although the agreement with such operator at this time is not formally executed; in event it is not executed Mountain Mesa may take over the contract as hereinafter set forth, and in any event the settlement is made;

NOW THEREFORE, WITNESSETH: That for and in consideration of the mutual benefits to be gained herefrom, it is agreed by and between the parties as follows;

1. That there is attached hereto, marked Exhibit "A", hereby referred to, incorporated herein by this reference, and made a part hereof, a form contract which Rocket may execute within ten days after the date hereof;

2. Mountain Mesa does hereby sell, transfer, and assign to The Rim Group all its interest in and to the Rim Claims, reserving unto Mountain Mesa five percent royalty until such time as Mountain Mesa Uranium Corporation shall have received from said royalty the total sum of $38,000.00 and then said five percent royalty automatically reduces to two and one-half percent royalty, provided, that with respect to the minimum annual royalties to accrue pursuant to said Exhibit "A", only one-half thereof shall be paid to and accrue to Mountain Mesa Uranium Corporation and the other one-half thereof shall accrue to and be paid to Rim Group until such time as said Mountain Mesa shall have received the $38,000.00 referred to above, and thereafter Mountain Mesa shall receive one-third of the minimum annual royalty accruing which is paid, and Rim Group shall receive two-thirds of the minimum royalty accruing and which is paid;

3. The production tax payable on the reserved royalty shall be paid by the parties hereto in the proportion of the royalty received by each party to the total royalty tax;

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4. In event the agreement between Rocket and Rim Group shall be terminated for any reason, at any time from and after its execution, or fail to be executed, Mountain Mesa Uranium Corporation may acquire the premises from The Rim Group on a lease agreement of the exact same terms, covenants and conditions as Exhibit "A" attached hereto, and that the fiscal date thereof shall be on the 1st day of February next following the date that the Rocket agreement has become void, and will begin February 1, 1957, in event Rocket does not execute the same within ten days, and in event it should be necessary to conclude the termination by litigation, the fiscal date thereof shall be the February first next following the final determination of such litigation; in event the anticipated agreement between Rim Group and Mountain Mesa so provided for should terminate for any reason, then in such event Mountain Mesa shall retain a two and one-half percent royalty only, that is, two and one-half percent of the gross proceeds, forever.

At execution of this agreement the Metallics Unlimited lease subject matter of the referred to litigation is mutually rescinded.

Upon receipt of any reports by the Rim Group whatsoever, the Rim Group will forthwith forward and exact copy of same to Mountain Mesa.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in duplicate originals, an original to each party, at Lander, Fremont County, Wyoming, this December 7, 1956.

MOUNTAIN MESA URANIUM CORPORATION,
a Wyoming Corporation

By /s/ H. O. English
President

Attest: /s/ L. England
Secretary

THE RIM GROUP, a Mining Joint Venture

By /s/ Robert E. Fuechsel

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AGREEMENT

THIS AGREEMENT, made and entered into December 7, 1956, by and between The Rim Group, a mining joint venture, of Lander, Fremont County, Wyoming, hereinafter referred to as Rim, and Rocket Mining Corporation, a Utah Corporation, hereinafter referred to as Rocket.

WHEREAS, The Rim Group is locator and owner of approximately forty-two unpatented lode mining claims known as Rim Group Claims, located in Sections 8, 9, and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, and

WHEREAS, it is Rim's desire to secure complete exploration and development of the premises, and Rocket is desirous of determining the mineral value and potential of the premises to the end that it may operate the same for profit;

NOW THEREFORE, WITNESSETH:

That for and in consideration of the premises and of the covenants, conditions, promises and agreements hereinafter contained, it is hereby agreed by and between the parties hereto as follows:

1. That Rim will and hereby does lease for mining and operational purposes to Rocket the referred to unpatented lode mining claims upon the following terms, covenants, and conditions, all of which are made of the essence of this agreement;

2. Rocket will pay Rim the royalty of ten percent of the gross proceeds of all production of and from the premises, including bonus and premium payments, and excluding only haulage and development allowances paid pursuant to circular 5 promulgation of the Atomic Energy Commission, to and until such time as five percent of said royalty, that is, one-half of said royalty, paid, shall equal the sum of $38,000.00, and thereafter such royalty will be reduced to seven and one-half percent of the gross proceeds as aforesaid;

Such royalty will be paid to The Rim Group free and clear of any and all claims, liens, encumbrances, monthly, on the 10th day of each calendar month following the month in which proceeds are received by Rocket; each party will pay production taxes on its proportionate interest in the ore; that copies of settlement sheets or record of payment will accompany each royalty check.

All royalties will be paid to either Norton or Fuechsel for distribution to other members of Rim, excepting the royalty will be paid to such other persons

to whom Rim may assign a portion of its royalty in accordance with the assignment, including but not restricted to Mountain Mesa Uranium Corporation; as affects The Rim Group, payment to either Norton or Fuechsel is acquittance to Rocket for such payment to The Rim Group;

3. In event the aggregate royalty received by Rim and its assigns from Rocket for any fiscal year beginning December 1, 1956, and for each and every year thereafter, is not $10,000.00, which sum of $10,000.00 is a minimum annual royalty required to be paid in cash, either Rim or its assigns may elect to rescind this agreement by notice in writing mailed to Rocket at 1229 Browning Avenue, Salt Lake City, Utah, on December 2nd the following, or within one month thereafter, and this agreement shall terminate in its entirety and be of no further force or effect whatsoever, provided, that Rocket may pay advance royalty each said fiscal year to fulfill the requirement of this paragraph and avoid the operative effects of Rim's or assigns election to terminate;

4. Rocket shall perform annual assessment work and file requisite proof thereof on all the claims on or before May 15th of each year, and will perform and do any and all things necessary to be done to maintain the title to the claims in good standing at least forty-five days prior to the date such must be accomplished, provided that in event such is not accomplished, Rim may do and perform the required matter and charge the costs thereof to Rocket, and failure on Rockets part to pay such charge to Rim within fifteen days after receipt of statement therefor will constitute a default of this agreement on the part of Rocket. Rim will maintain the burden of litigation arising on facts accrued prior to Rockets possession, and provided that in event Rim shall choose to default same, Rocket may conduct whatever is necessary to be done to defend the title to the property and reasonable cost thereof will be deducted from royalty accruing to Rim, but cost thereof may not be deducted from royalty accruing to Rim's assigns; Rocket will be fully responsible to matters arising on facts occuring after Rocket's possession; provided further, that in any event Rocket's participation in any litigation will be at its own cost and expense;

5. Rocket will go into possession of the premises within a reasonable time from and after date hereof, and not later than April 1, 1957, and will continuously work, explore and develop, mine and market uranium and allied ores from the premises with reasonable diligence, for the production of valuable minerals, until the

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same may be exhausted; it is provied that should non-compliance with the terms of this paragraph be occasioned by means beyond human control, or strikes, or unforseen accidents, the time so lost will be tolled from the performance time;

6. It is provided that each portion of the entire premises will be explored in accordance with standard exploration procedures in that area to either prove or disprove the mineral value thereof and to do so Rocket agrees that it will on or before December 7, 1957, drill at least 40,000 feet of hole, all in accordance with good mining practices; ~~provided that if commercial ore be encountered and mined and marketed in accordance with paragraph No. 5 hereof the 40,000 feet of drilling as a minimum will no longer be required, but the obligation to explore and test each portion of the entire premises to prove or disprove its mineral value on or before December 7, 1957, will in all events be and remain binding on Rocket;~~

7. Rocket will maintain and save records of all matters having to do with the premises and will permit Rim and assigns to inspect same and take copies thereof at any and all reasonable times, and will permit Rim and its assigns free access to the premises at any and all reasonable times and to inspect and take samples therefrom; Rocket will monthly furnish to Rim copies of shipping tickets received at delivery of ore to ore purchaser;

8. Before the same becomes delinquent, Rocket will pay all taxes assessed against the premises and its share of the production and pay all lienable obligations when due and prevent the same from becoming a lien on the premises;

9. In event of re-delivery of possession of the premises to Rim Group for any reason, Rocket will re-deliver the same free and clear of any and all liens and encumbrances, or outstanding interests, and will re-deliver possession of the same with title as good as that received by Rocket and as cleared by the Rim Group. In event of such re-delivery, Rocket will make available to Rim all information obtained by Rocket with respect to the geological or geophysical character of and value of the premises;

10. Rocket will protect and hold harmless The Rim Group of and from any and all legal liabilities arising from Rocket's operation and assume at Rocket's expense the cost of any suit arising from or in any way connected with Rocket's operations;

11. Rim will purchase and provide Rocket with an abstract of title to the premises prepared by a bonded abstractor, bearing a current abstractors certificate, and will correct any defects therein shown to adversely affect the possessory title

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to the premises at its own cost, provied, that in event curing of any defects shall not be undertaken and completed by Rim within a reasonable time, Rocket may correct the same and the cost expended by Rocket in correcting the same will be deducted from royalties accruing to Rim.

DONE the day and year first above, in triplicate original, an original to each party, and one original to Mountain Mesa Uranium Corporation, and this agreement, its terms, covenants and conditions will be binding upon and inure to the benefit of the heirs, successors, and assigns of the respective parties hereto, provided that Rocket shall not sell, assign, transfer or convey its interest or any portion thereof herein without prior express consent of Rim.

ROCKET MINING CORPORATION, a
Utah Corporation

By B. J. Seee

THE RIM GROUP, a Mining Joint Venture

By Robert E. Buechel

A. M. Bills
Secretary

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THE STATE OF UTAH)
) ss
County of Salt Lake)

On this December 13th, 1956, before me appeared R. J. Gill and A. M. Billis, to me personally known, who, being by me duly sworn, did say that they are the President and Secretary respectively of Rocket Mining Corporation, a Utah Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said R. J. Gill acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal the day and year last aforesaid.

(Seal)

Notary Public

My commission expires:

THE STATE OF WYOMING)
) ss
County of Fremont)

On this December 7, 1956, before me appeared Robert E. Fuechsel, to me personally known, who, being by me duly sworn, did say that he is a member of The Rim Group, a Mining Joint Venture, and that said instrument was signed in behalf of said joint venture by authority of its members, and said Robert E. Fuechsel acknowledged said instrument to be the free act and deed of said joint venture, and acknowledged said instrument to be the free act and deed of said Robert E. Fuechsel.

Given under my hand and notarial seal the day and year last aforesaid.

(Seal)

Notary Public

My commission expires: Oct. 20, 1957

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MEMORANDUM OF MINING JOINT VENTURE AGREEMENT

THIS JOINT VENTURE AGREEMENT AND INDENTURE, made and entered into February 8, 1957, by and between Rocket Mining Corporation, a Utah Corporation, hereinafter referred to as Rocket, Western Uranium Corporation, a South Dakota Corporation, hereinafter referred to as Western, and Uranium Research and Development Company, a Colorado Corporation, hereinafter referred to as UREDCO.

WHEREAS, the parties hereto own various interests in properties, in both the State of South Dakota and Wyoming, valuable for uranium enterprises, and mineral potential, and it appears feasible that the parties hereto cooperate and join together in the further acquisition of, development of, joint working of, promotion of, and operation of, mining of, and sale of said property, both as mining and milling properties, for profit;

NOW THEREFORE, WITNESSETH: For and in consideration of the premises, the mutual agreements of the parties hereto, each to the other, and of the joint benefits to be derived, the parties hereto do mutually convey each to the other, such interest as each has in and to the below-described properties, as will make each of the parties hereto own in each of the properties hereafter set forth, the indicated undivided interest, to-wit:

Western and Uredco convey to Rocket an undivided one-half of their respective interests in and to all the mining claims and mineral properties owned or claimed by either and both of Western and Uredco in the vicinity of the Black Hills of Wyoming and South Dakota, except that the lignite and Hilmer-Bischoff properties of Western are not included in this conveyance, and Western's enterprises with respect to its lignite properties are not encompassed within this Joint Venture Agreement;

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Rocket conveys to each of Western and Uredco an undivided one-twentieth interest in its mill property, being that acquired from a Court Receiver through Pioneer Carissa and located near South Pass City, Fremont County, Wyoming, less $175,000.00; that is, one-tenth interest in the mill less $175,000.00 in that neither Western nor Uredco are entitled to or will receive any benefit from the said one-tenth interest until such one-tenth interest shall have earned Rocket the sum of $175,000.00 net profit, after which time with respect to the said mill interest both Western and Uredco will pay their proportionate expenses and share in the profits and losses

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of the mill according to their respective interests. This one-tenth interest is based on an anticipated uranium milling capacity of 200 ton per day, and in event the facilities should be so enlarged or expanded to exceed that ton capacity, the one-tenth interest shall nonetheless remain a one-tenth of a 200 ton per day operation as presently projected; the $175,000.00 figure is predicated to be one-tenth of the investment necessary to place the 200 ton per day capacity mill into operation, and will not be enlarged irrespective of actual cost to Rocket. In event Rocket Should enlarge or expand the mill to exceed that ton capacity, Western and Uredco shall have the opportunity to participate in the expansion or enlargement thereof to the extent of ten percent thereof by contributing, in cash, ten percent of the cost thereof within ninety days of the date Rocket shall present such opportunity to Western and Uredco, bona fides, or within ninety days prior to the commencement of the expansion or enlargement, whichever is the later.

It is specifically provided and agreed that none of the foregoing interests conveyed are participating interests, i.e., the grantors in each instance reserve from this conveyance and from this joint venture full and complete and exclusive right, power, and authority in respect to promotion, development, and alienation of the res, the interest conveyed being only a right to share in the proceeds of that interest, and in no event will the loss occasioned by the grantee exceed the loss of the res itself;

And it is agreed as follows:

1. The parties hereto do hereby associate themselves together in a mining joint venture, and exclusive of the foregoing properties and interests conveyed, any and all material benefits from the venture shall be divided between, and all costs, and expenses, and all losses, which may be incurred the result of the venture shall be borne by each of the parties in the following proportions of 100%:

Rocket sixty percent, and

Western twenty-four percent, and

Uredco sixteen percent, to and until such time as Western shall have received a total benefit of $150,000.00 exclusive of any mill earnings, after which the proportions shall be

Rocket sixty percent,

Western twenty percent, and

Uredco twenty percent;

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Excepting only, that each of Western and Uredco will be paid their actual expenses in this venture upon submission of detailed vouchers therefor to the Board of Control hereinafter established, and it is understood that if Rocket provides the first $50,000.00 to establish a working account for the venture, from which to pay the said expenses, in cash, or by use of its assets as collateral, Rocket shall recover its entire advancement in such instance out of the first net ore proceeds before any pro-rated distribution is made to the adventurers;

Each of the parties shall receive in kind, or separately dispose of its proportionate share of valuable mineral production.

2. In execution of this enterprise, Rocket, having the mill agrees to promote the same, all at its own cost and expense without contributions from Western and Uredco until the $175,000.00 shall have been recovered, and when the mill is placed in operation, all parties agree to submit to said mill, for processing and Rocket agrees the mill will process all of the ore discovered, developed and produced as a result of this joint enterprise, so far as it may reasonably be done, it being contemplated that one of the purposes of this joint enterprise is to provide a market for the ore produced, provided that Rocket must pay no less, and no more, than the current market value for such ore. Western, having a drilling rig and personnel and a probable capacity to enlarge upon its present facilities, agrees to do and perform whatever is deemed necessary to be done in the nature of exploration drilling of the properties of this venture. Uredco, having experienced expert personnel, agrees that it will provide whatever geological services might be required to accomplish the purpose of this venture. It is recongnized that Uredco has a unique situation in this venture by reason that in respect to the exploration it not only furnishes the expert services, but its expert advice also determines the nature, course and extent of that which must be done in the course of the venture.

3. In event one of the parties hereto cannot pay its proportion of cash contributions necessary and provided to be contributed as in paragraph 1 above, or does not pay the same within ten days after having been billed therefor, and one of the other parties advances the same, the party advancing the same shall be entitled to receive back 200% of the amount so advanced out of the first proceeds due the defaulting party from this joint venture, and before the said defaulting party shall receive any benefits from the adventure. This provision does not apply to the initial working account if established by Rocket as provided in paragraph 1 above.

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4. Each of the parties hereto shall contract obligations, notwithstanding that benefit of such obligations inure to the joint enterprise, severally and individually only, pursuant to general laws of mining ventures.

5. Rocket shall designate four persons who will sit upon a Board of Control, each of whom shall have one vote; Western shall designate two persons who shall sit upon the Board of Control, each of whom shall have one vote; and Uredco shall designate two persons to sit upon the Board of Control, each of whom shall have one vote.

Control of this joint venture is vested in the majority vote of the Board of Control as above constituted. In that the Board consists of an even number of persons, in event the vote on any issue should be evenly divided and an impasse result, the matter shall be submitted to arbitration, those voting one way selecting one arbiter, those voting the other way selecting a second arbiter, and the two arbiters so selected shall designate a third. The conclusion reached by two of the arbiters so selected and designated shall be binding upon the joint venture excepting in cases of fraud or misconduct.

From the persons who sit on the Board of Control above, Rocket shall designate one, Western shall designate one, and Uredco shall designate one, and the three so designated shall constitute an Executive Board, which Board is designed to be not so cumbersome as the full Board of Control, and which Executive Board will exercise all the powers of the full Board of Control, provided that upon the slightest dissent of any member of the Executive Board with respect to any matter, the power and authority of the Executive Board is automatically suspended and the administration and control of the Joint Venture can be undertaken only by the majority or the Board of Control, and the Executive Board shall thereafter be constituted only to the extent the Board of Control shall provide. Either of the parties hereto may designate alternates to sit on the Executive Board in event of absence of the first person so designated.

6. This joint venture shall terminate as soon as all the mineral property jointly owned by the parties during the first calendar year hereof shall be sold or exhaused. In event of dissolution other than by mutual agreement, and a dissolution shall not be wrongful in event one of the parties hereto shall default in its obligations to the extent that it will create a manifest inequity to continue on, or to the extent that such default shall constitute a breach of or a gross inconsistency with the intent of joint contribution to the success of the enterprise, the assets of the enterprise so far as is possible will be distributed in kind, and to that end

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each property will be distributed ratably to the members hereof each to receive an interest directly proportionate to the amount of cash that such party shall have contributed to the particular property to be distributed, provided that, irrespective of its source, the first $50,000.00 cash contribution, for purposes of this latter computation in event of dissolution only, will be deemed to have been contributed by Rocket 60%, Western 20%, and Uredco 20%.

7. If any party hereto desires to sell his interest, or a part thereof, and receives a bona fide offer therefor, the other parties, jointly first, and then severally, shall have first right and option to purchase such interest from the party desiring to sell upon the same terms and conditions as the bona fide offer; said option is exclusive for twenty days after receipt of written notice of the offer and intent or desire to sell, at the usual addresses of the respective parties.

8. This joint venture extends to, encompasses and includes all of the properties and acquisitions of all the parties hereto during the term hereof in the States of South Dakota and Wyoming, excepting only the lignite properties of Western, and the general provisions hereof apply to all such properties excepting there is no application to the lignite and Hilmer-Bischoff properties of Western; and with respect to the 50-50 proposition between Rocket and the other parties in the Black Hills property above referred to and with respect to the 10% interest of Western and Uredco in the mill property of Rocket with regard to which generally, costs, expenses, benefits and losses are shared according to the ownership, and the general provisions hereof apply except to the extent they are modified and hence controlled by specific provisions herein.

9. In the event Western or Uredco raise the initial $50,000.00 for payment of expenses of this venture within 30 days after execution hereof, in order to assist the raising of such funds Rocket agrees (1) to convey 1/4 of its 60% interest in the Rim Group of Claims inFremont County, Wyoming, to Western, and (2) if a portion of the $50,000.00 so raised is expended on groups of claims other than the Rim Group, Rocket will convey such portion of its 60% interest in the other groups of claims upon which it is expended in the following ratio:

AMOUNT SPEND ON PROPERTY	=	INTEREST ROCKET WILL CONVEY TO WESTERN-UREDCO
$50,000.00		1/4 of 60%

and (3) the sum of $25,000.00 shall then be credited against the $175,000.00 to be realized by Rocket out of net profits from the 1/10 interest in the mill conveyed

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to Western and Uredco above, and received by Rocket as and in lieu of that amount of the $175,000.00 net profit, and (4) Western and Uredco's 1/10th interest in the milling machinery of the Carissa Mill free of the $175,000.00 charge to Rockets favor against it may be mortagaged to secure repayment of the $50,000.00 to any person from whom Western-Uredco might borrow that amount, and to that end, if required, Rocket will join in the execution of the mortgage without assuming or agreeing to pay the mortgage indebtedness.

10. This joint venture is not terminated or suspended by substitution or alienation of interest of any party but will continue until terminated by mutual consent or winding up by process of law. In event any party alienates its interest or part thereof, the other parties shall be obligated to recognize only such changes of which they may have received personal notice, and in no event shall any party be required to recognize more than one person or address as being a party or depository for the giving of notice or demand or accounting, or any other thing, with respect to any of the corporate interests herein, and in no event will more than eight persons constitute the Board of Control.

11. Excepting with respect to the mill properties and Black Hills properties above separately referred to, no sale of any properties of the venture may be made without the prior express consent of the three corporations party hereto.

IN WITNESS WHEREOF the parties hereto have caused these presents to be executed.

ROCKET MINING CORPORATION, a Utah Corporation

By /s/ R. J. Gill
President

WESTERN URANIUM CORPORATION, a South Dakota Corporation

By /s/ Wayne Erickson
Secretary and General Manager

URANIUM RESEARCH AND DEVELOPMENT COMPANY, a Colorado Corporation

By /s/ Robert L. Harris
President

WITNESS: W. J. Nicholes
W. A. Smith

Docket copy

Project Summary Report

By: Michael Ching February 24, 1959

1. Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166

Operator - Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Property - 40 unpatented lode mining claims, Rim 1-9, 16-23, 26-30, 34, 35, 39, 40, and 44-57, situated in secs. 8, 9, and 17, T. 33 N., R. 89 W., 6th P.M. & B., Fremont County, Wyoming.

Operator's Property Rights -
Operator is in possession under a joint venture agreement, dated February 8, 1957, with the Rocket Mining Company and Western Uranium Corp. Rocket Mining Company holds a lease from the Rim Group. The property was under litigation but the following interested parties have signed Consent to Lien and Subordination Agreements: Riverton Uranium Corp. on June 19, 1957, the Rim Group on June 27, 1957, and Mountain Mesa Uranium Corp. on January 13, 1958.

2. Contract (Short Form) dated January 27, 1958.

Final contract starting date - February 15, 1958
Actual starting date - February 5, 1958
Contract completion date - July 27, 1958
Termination Agreement - dated July 23, 1958, effective June 1, 1958.

Work Authorized -

Test the potential ore-bearing sandstones of the upper Wind River formation of Eocene age for uranium by non-core drilling in two stages as follows:

Fixed Unit Costs

Stage I (Approx. 126 holes)

31,500 ft. non-core drilling @ $0.90/ft.	$28,350.00	
24 hrs. bulldozing @ $13.00/hr.	312.00	
200 chem. analyses @ $4.00 each	800.00	$29,462.00

2. Contract (continued)

Work Authorized (continued)

Stage II (Not more than 104 holes)

26,000 ft. non-core drilling @ $0.90/ft.	$23,400.00	
20 hrs. bulldozing @ $13.00/hr.	260.00	
160 chem. analyses @ $4.00 each	640.00	$24,300.00

Estimated total cost of the project	$53,760.00
Government participation @ 75%	$40,320.00

Amendments - None

Work Completed -

Stage I (126 holes)

24,046 ft. non-core drilling @ $0.90/ft.	$21,641.40	
24 hrs. bulldozing @ $13.00/hr.	312.00	
17 chem. analyses @ $4.00 each	68.00	$22,021.40

Stage II (74 holes)

13,113 ft. non-core drilling @ $0.90/ft.	$11,801.70	
20 hrs. bulldozing @ $13.00/hr.	260.00	
15 chem. analyses @ $4.00 each	60.00	$12,121.70

Total cost of the project	$34,143.10
Government participation @ 75%	$25,607.32

Final Reports -

Operator - Undated - received July 21, 1958
Field Team-dated February 3, 1959, received February 9, 1959

3. Auditor's Report of Review, dated August 7, 1958

Total cost as billed by Operator	$34,143.10
Exceptions	0.00
Total Accepted Cost	$34,143.10
Government Participation @ 75%	$25,607.32

4. Certification of discovery - dated July 29, 1958.

5. Results and Comments -

The 126 Stage I holes were drilled on a 500-foot square grid which covered practically the whole property. The most favorable ground was encountered in the eastern portion of the property on claims 34, 35, and 28. Offset drilling in Stage II on 250 and 125-foot centers delineated five significantly mineralized areas which occur in a favorable belt extending southwesterly from ore bodies previously discovered by independent drilling on the part of the Operator. The ore occurs at depths ranging from 40 to 245 feet, but most of it was found in the interval between 180 and 245 feet. Most of the mineralized areas are composed of several overlapping ore bodies at different depths. Since the average thickness is less than 4 feet and the average grade about 0.32% U_3O_8, it is doubtful whether mining will be profitable. However, additional close-spaced drilling may develop areas of sufficient thickness and grade to warrant a mining operation. The Operator proceeded to do some drilling of this type after completion of the DMEA project.

Ore reserve calculations were based upon data obtained by the DMEA work, supplemented by information secured by the Operator from subsequent drilling. Five ore bodies were estimated to contain 28,000 tons of ore averaging 0.32% U_3O_8. In addition, four ore bodies containing an estimated 37,000 tons of ore averaging 0.26% U_3O_8 were delineated by the Operator by independent drilling.

Most of the ore was found in the unoxidized or "blue" zone, where the ore minerals are uraninite and coffinite. A small proportion of the DMEA ore was in the oxidized zone.

The project work was carried out by the Operator in an efficient and workmanlike manner. Drilling was done with one or more rotary drills, using air when possible and water when necessary. Taking into account a two-week delay because of bad weather, average drilling progress was at the rate of approximately 450 feet per working day.

A certification of discovery and development is well justified by the results of this project.

Michael Ching

Michael Ching

DMEA Form 17
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

C

WORK COMPLETED ANALYSIS

After final audit or review report is received, prepare original only and file in official docket

Operator **Uranium Research and Dev. Co.**		Actual Cost	
State **Wyoming**		Agreed Unit Cost	X
Final Report of Audit		Commodity **Uranium**	Docket No. **DMEA-4644**
Final Report of Review			Contract No. **Idm-E1166**

Operation	Authorized by Contract and Amendments		Completed		Net cost after sale of Government Property
	Units	Cost	Units	Cost	
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Rotary Non-core	52,500	$51,750.00	37,159	33,443.10	33,443.10
Surface Excavation					
Underground Excavation					
Roads and Trails		572.00		572.00	572.00
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Chem. Analyses		1,440.00		128.00	128.00
Totals		$53,760.00 (rounded)		$34,143.10	*$34,143.10

* Net cost total must agree with final report of audit or review.

Complete
~~(Incomplete)~~

Prepared by Michael Ching Date 11-12-58

31398

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 13 1960

DATE	INITIALS	CODE
6-13	gad	VVO
6/13	[illegible]	800
	~~[illegible]~~	~~500~~
		225

Building 20 - Federal Center
Denver 25, Colorado

June 9, 1960

Mr. R. G. Lindlof
Project Manager
Federal-Radcreek-Gas Hills Partners
520 East Main Street
Riverton, Wyoming

Re: Docket [illegible] 4644 (Uranium)
Contract IAm-E1166
Uranium Research and Development Company
(Rim Group Claims)
Fremont County, Wyoming

Thank you for the settlement sheets for Liquidation No. 7 on the ore purchased from the Western Uranium Company.

We will not require settlement sheets on any future shipments of ore from this property because Western Uranium Company has repaid in full the amount of Government participation in the exploration of the captioned property.

We appreciate the cooperation you have given this office in furnishing settlement sheets for all shipments of ore made to date from this property.

Yours very truly,

Original signed by

Hugh M. Cummins
Acting Field Officer
OME, Region III

HMC/lm
cc: Chief, Division of Field Operations (2)
Royalty Corres. E1166
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	Murphy	500
	[illegible]	500
6/13	Talbot	800
6/13	[illegible]	120
		~~110~~
6/13	gad	220
		225

JUN 13 1960

Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming
Contract No. Idm-E1166

Gentlemen:

This is to advise that the final payment made by the Western Uranium Corporation completes repayment in full of the Government's participation of $25,607.32 in the above-cited exploration contract for uranium. As a result of the repayment, the Government retains no lien or claim against the property or any future production therefrom.

We appreciate your interest and participation in the DMEA exploration program.

Sincerely yours,

George C. Selfridge

Acting Director

FMMurphy/gla
6-10-60
cc to: Director's Reading File
Frank E. Johnson
Contract Adm. & Audit Division
Region III (2)
Docket
Code 500
Chron

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	Murphy	500
	[illegible]	500
6/13	Talbert	800
6/13	GCS	120
		~~110~~
6-13	gad	220
		225

JUN 13 1960

Western Uranium Corporation
108 South Third
Riverton, Wyoming

Re: DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming
Contract No. Idm-E1166

Gentlemen:

Thank you for repaying in full the Government's participation of $25,607.32 in the above-cited exploration contract for uranium. As a result of the repayment, the Government retains no lien or claim against the property or on any future production therefrom.

Sincerely yours,

George C. Selfridge

Acting Director

FMMurphy/gla
6-10-60
cc to:
Uranium Research and Development Company
209 Denham Building, Denver, Colorado
R. E. Fuechsel,
c/o Smith and Nicholas) Also same address, to:
First National Bank Building) E. S. Norton
Lander, Wyoming) W. J. Nicholas
W. A. Smith
Albert W. Dilling, President
Riverton Uranium Corporation
139 N. Clark Street, Chicago 2, Illinois
H. O. English, President
Mountain Mesa Uranium Corporation
254 South Center Street, Casper, Wyoming
Director's Reading File
Frank E. Johnson
Contract. Adm. & Audit Div.
Region III (2)
Code 500
Docket
Chron

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	Murphy	500
	[illegible]	500
6/13	Talbot	800
6/13	GLS	120
		~~110~~
6/13	gad	220
		225

JUN 13 1960

Mr. R. E. Fuechsel
c/o Smith and Nicholas
First National Bank Building
Lander, Wyoming

Re: DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming
Contract No. Idm-E1166

Dear Mr. Fuechsel:

Enclosed is a copy of a self-explanatory letter of today to the Western Uranium Corporation under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on June 27, 1957, under the DMEA program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

George C. Selfridge (for)

Acting Director

Enclosure

FMMurphy/gla
6-10-60
cc to: Director's Reading File
Region III (2)
Docket
Code 500
Chron

Identical letters to:
(at same address as Fuechsel)
E. S. Norton
W. J. Nicholas
W. A. Smith

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	[illegible]	500
	[illegible]	500
6/13	[illegible]	800
6/13	[illegible]	120
		~~110~~
6/13	gad	220
		225

JUN 13 1960

Mr. Albert W. Dilling
President
Riverton Uranium Corporation
139 N. Clark Street
Chicago 2, Illinois

Re: DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming
Contract No. Idm-E1166

Dear Mr. Dilling:

Enclosed is a copy of a self-explanatory letter of today to the Western Uranium Corporation under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on June 19, 1957, under the DMEA program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

George C. Selfridge (for)

Acting Director

Enclosure

FMMurphy/gla
6-10-60
cc to: Director's Reading File
Region III (2)
Code 500
Docket
Chron

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	Murphy	500
	Fuzinski	500
6/13	Talbert	800
6/13	GCS	120
		~~110~~
6/13	gad	220
		225

JUN 13 1960

Mr. H. O. English
President
Mountain Mesa Uranium Corporation
254 South Center Street
Casper, Wyoming

Re: DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming
Contract No. Idm-E1166

Dear Mr. English:

Enclosed is a copy of a self-explanatory letter of today to the Western Uranium Corporation under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 13, 1958, under the DMEA program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

George C. Selfridge (fw)

Acting Director

Enclosure

FMMurphy/gla
6-10-60
cc to: Director's Reading File
Region III (2)
Code 500
Docket
Chron

43683

Western URANIUM CORPORATION

108 SOUTH THIRD — RIVERTON, WYOMING

May 23, 1960

Mr. Hugh M. Connors
Acting Field Officer, OME
Office of Minerals Exploration
Building 20
Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 4644
(Uranium)
Contract No. Idm-E1166
Rim Corporation claims
Fremont County, Wyoming

Dear Mr. Connors:

Enclosed you will find check for the amount of $13,813.98, this being the amount of the balance owed to the government on Contract No. Idm-E1166. The contract, therefore, is paid in full, and no further royalties are due the government from this source.

O.K. checked with acct. Dept. [illegible]

We hope this meets with your approval.

It has been a pleasure doing business with you. Should there be any further questions, please do not hesitate to contact me.

Tot. Govt's Contribution
$25,607.32

Respectfully yours,

WESTERN URANIUM CORPORATION

Wayne Erickson

Wayne Erickson
General Manager

WE:OS
encl.

Uranium Research & Development Co

OME
DEPARTMENT OF THE INTERIOR
MAY 27 1960
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Building 20 - Federal Center
Denver 25, Colorado

May 9, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 11 1960

DATE	INITIALS	CODE
5-11	gad	220
5/11	[illegible]	800
5/12	[illegible]	500
		225

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior

From: Acting Field Officer, OME, Region III

Subject: Docket DMEA 4644 (Uranium) Contract Idm-E1166
Uranium Research and Development Company
(Rim Group Claims)
Fremont County, Wyoming

Attached is the original of the Report of Royalty Review pertaining to the subject docket.

I concur in the findings of this Report of Royalty Review.

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure

cc: Chief, Division of Field Operations - 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 11 1960

DATE	INITIALS	CODE
5-11	gad	220
~~5-14~~	~~Murphy~~	~~500~~
		225

May 9, 1960

Mr. Wayne Erickson, Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Corporation claims
Fremont County, Wyoming

Dear Mr. Erickson:

Thank you for your letter of April 29, 1960, in which you stated that the royalty account will be taken care of by May 26, 1960. Enclosed for your information is a copy of a Report of Royalty Review on the captioned property.

This audit of the account verifies the amount of royalty due as stated in our letters of April 15 and April 26, 1960; however, in today's mail we received settlement sheets for Liquidation No. 6 representing the sale of ore worth $107,264.84. The total royalty now due the Government is $13,813.98; and when we receive this amount, your account will be paid in full.

Very truly yours,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure - 1

cc: Acting Chief, Contract Administration and Audit Division
Chief, Division of Field Operations - 2

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
5-6	gad	220
5/6	~~Murphy~~	~~500~~
		225

MAY 6 1960

Memorandum

To: C. E. Fisher, OME Auditor

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group of claims
Fremont County, Wyoming
Contract No. Idm-E1166

Attached for your review, signature, and distribution are the typed original and five copies of your Report of Royalty Review on the subject contract. Also attached, for convenience in checking, are your rough drafts of the review.

If you concur in the typed documents, please give the original and two copies to Mr. Hugh M. Connors, Acting Field Officer, OME Region III, with a request that, if they also have his concurrence, distribution be made as follows:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy to the Operator; and
(c) One copy for his file.

Three copies of this report should be returned to this Division by you.

As evidence of his concurrence, a copy of his letter transmitting the Operator's copy should be furnished this Division. If he does not concur, the original and both copies should be returned to this Division with his comments.

Attachments

EDTalbert/ama
May 6, 1960

Copy to: Docket
Director's Reading File
CA & A Division

43683

OFFICIAL FILE COPY O. M. E. RECEIVED APR 28 1960		
DATE	INITIALS	CODE
4-28	gad	VVO
4/28	[illegible]	800
5-3	Murphy	500
		221

Building 20 - Federal Center
Denver 25, Colorado

April 26, 1960

CERTIFIED MAIL

Mr. Wayne Erickson, Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Corporation claims
Fremont County, Wyoming

Uranium Research & Dev.

Dear Mr. Erickson:

We have had no reply to our letter dated April 15, 1960, requesting the payment of $13,740.26 in past due royalty.

If we do not receive the royalty due the Government, before May 26, 1960, we will have no further recourse than to refer the matter to the Washington office for such action as they deem necessary to protect the Government's interest.

Very truly yours,

Original signed by

Hugh M. Conners
Acting Field Officer
OME, Region III

HMC/bjo

cc: Chief, Division of Field
Operations (2)
Royalty corres. Idm-E1166
Suspense
Chron.

Western URANIUM CORPORATION

108 SOUTH THIRD — RIVERTON, WYOMING

April 29, 1960

Mr. Hugh W. Connors
Acting Field Officer
Dept. of Interior - Minerals Exploration
OME, Region III
Building 20 - Federal Center
Denver 25, Colorado

Idm-E 1166
DMEA-4644
Uranium Research & Devp.

Dear Mr. Connors:

We are in receipt of your letter of April 26, 1960. The reason for our failure to comply with your previous request is the failure of Federal Uranium Corporation to make payment when the settlement sheets are issued. We have yet to receive payment on the settlement sheet dated April 14, 1960, the length of time required by the A.E.C. to act on certification papers, and the results of the A.E.C. allocation system.

We deeply regret the inconvenience this has caused your office and assure you it will be taken care of by May 26, 1960.

As you may be aware, uranium operators are encountering certain difficulties with certain government agencies. As we have enjoyed a pleasant relationship in the past with the D.M.E.A., we would like to continue to do so. Our only regret is that all agencies of the government are not as prompt, or as conscientious as your people.

Respectfully yours,

WESTERN URANIUM CORPORATION

Wayne Erickson

Wayne Erickson
General Manager

WE:OS

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 4 1960

DATE	INITIALS	CODE
5-4	gad	220
5/4	[illegible]	800
5/5	[illegible]	500
		225

2 Copies to
Chief, Div of Fld. Operations

OME
DEPARTMENT OF THE INTERIOR
MAY 2 196
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 18 1960

DATE	INITIALS	CODE
4-18	gad	VVO
4/18	[illegible]	800
4/18	~~[illegible]~~	~~800~~
		VVS

Building 20 - Federal Center
Denver 25, Colorado

April 15, 1960

CERTIFIED MAIL

Mr. Wayne Erickson, Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
(Rim group claims)
Fremont County, Wyoming

Dear Mr. Erickson:

We have just received three copies of the settlement sheet for Liquidation No. 5 from the Federal-Radorock Gas Hills Partners Mill. You now owe $13,740.26 in past due royalty. Will you please advise, by return mail, the date on or before which we may expect to receive your check for the amount of royalty now due.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC/bjo

cc: OME, Washington (2)
Royalty corres. E1166
Suspense
Chron.

Building 20 - Federal Center
Denver 25, Colorado

February 25, 1960

COPY

Mr. Wayne Erickson
General Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Idm-E1166
(Rim Group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

Thank you for your letter of February 22, 1960 regarding the initial production bonus on the captioned property.

Since your company had no interest in the San Juan Uranium Exploration Company, you are not liable for bonus royalty on the $357.41 paid them by the U. S. Atomic Energy Commission. The bonus royalty that you owe the Government is five percent of $34,568.66 paid the Western Uranium Corporation by the U. S. Atomic Energy Commission.

Please forward, this office, your check for $1,728.43, which is the amount of bonus royalty due, subject to final audit.

Very truly yours,

Original signed by

Check # 964

J. W. Townsend
Executive Officer, OME
Field Team, Region III

BMC/ms

cc: Chmn. Op. Comm. (2) - w/2 cpys of ltr from Erickson
Royalty corres E1166
Chron

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 28 1960

DATE	INITIALS	CODE
3/28	gad	220
3/28	[illegible]	800
	[illegible]	~~500~~
		225

Building 20 - Federal Center
Denver 25, Colorado

March 24, 1960

CERTIFIED MAIL

Mr. Wayne Erickson, Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
(Rim group claims)
Fremont County, Wyoming

Dear Mr. Erickson:

Following is a list of liquidations on which the Government's royalty has not been paid:

Liquidation	Net Value	Dry Tons	Value Per Ton	% Royalty	Royalty Due
1 undg.	$33,731.77	$1,770.26	$19.05	5%	$1,686.59
2 undg.	10,807.03	587.50	18.40	5%	540.35
1 Pit	15,289.89	758.68	20.15	5%	764.49
2 Pit	47,270.96	2,465.38	19.17	5%	2,363.55
3 Pit	63,162.94	3,063.15	20.62	5%	3,158.15
4 Pit	6,079.70	179.55	33.86	5%	303.99
64	16,891.42	923.329	18.29	5%	844.57
397	30,617.76	1,387.284	22.07	5%	1,530.89
451	36,996.66	1,557.48	23.75	5%	1,849.83
					13,042.41
			Bonus Royalty due		1,728.43
		Total due			$14,770.84

Please forward this office your check in the amount of $14,770.84.

According to our records, which are subject to audit, $771.57 plus the amount you now owe ($14,770.84) would completely repay the Government's participation in the captioned contract and no more of your ore would be subject to royalty payments.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Executive Officer, GMR
Field Team, Region III

HMC/bjo

cc: Chmn. Op. Comm. (2); Chron; Suspense; Royalty corres E1166

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 14 1960

DATE	INITIALS	CODE
3-14	gad	VVO
3/14	[illegible]	800
	Murphy	500
		225

Building 20 - Federal Center
Denver 25, Colorado

March 10, 1960

Lucky Mc Uranium Corporation
Riverton
Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
(Rim group claims)
Fremont County, Wyoming

Gentlemen:

It is noted that a shipment of ore from the Rim No. 55 Claim was sent to your mill during the second quarter of 1959, on which we have not received the settlement sheets or the royalty as provided in the captioned contract.

This shipment contained 923.53 dry tons of ore and 4,062.65 pounds of U_3O_8.

Will you please forward this office three (3) copies of the settlement sheet for the liquidation noted above.

Very truly yours,

(signed) J. W. Hasler

J. William Hasler, OME
Member Field Team
Region III

HMC/ms

cc: Chmn. Op. Comm. (2)
Chron
Royalty corres E1166
JWT

Uranium Reserve & Dump

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 14 1960

DATE	INITIALS	CODE
3-14	gad	220
3/14	[illegible]	800
	~~[illegible]~~	~~[illegible]~~
		225

Building 20 -- Federal Center
Denver 25, Colorado

March 11, 1960

Federal-Radcrock-Gas Hills Uranium
Riverton
Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Ida-E1166
(Rim Group Claims)
Fremont County, Wyoming

Uranium Royalty

Gentlemen:

We note that in the fourth quarter of 1959, your mill received four (4) shipments of ore from Western Uranium Corporation's Rim No. 55 Claim. These shipments contained tonnages and amounts of uranium as follows:

DRY TONS ORE	POUNDS - U_3O_8
758.68	3,693.09
1,770.26	8,219.48
567.50	2,646.22
2,465.38	11,508.86

The Rim No. 55 Claim is subordinated to the Government under the captioned contract, and royalty is due the Government on the sale of all ore from this claim.

Please forward, this office, three (3) copies of each settlement sheet for the above-listed liquidations. On all future shipments to you from this property, please forward this office three (3) copies of each settlement sheet.

Very truly yours,

Original signed by

J. William Hasler
ORE Field Team
Region III

HMC/ms
cc: Mr. Wayne Erickson
Western Uranium Corp
1014 E Park, Riverton, Wyo.

Chmn. Op. Comm (2)
Royalty corres E1166
Chron
Suspense

OFFICIAL FILE COPY O. M. E. RECEIVED MAR 14 1960		
DATE	INITIALS	CODE
3-14	gad	VVO
3/14	[illegible]	800
"	Murphy	500
		22J

Building 20 - Federal Center
Denver 25, Colorado

March 11, 1960

Mr. Wayne Erickson, Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
(Rim group claims)
Fremont County, Wyoming

Dear Mr. Erickson:

Enclosed are copies of three (3) letters to purchasers of ore from the captioned property.

Will you please advise all purchasers of ore, the origin of which is from subordinated land, that the Government is entitled to royalty. You should also provide each purchaser with the royalty schedule as shown in the contract, so that they may forward this office the amount of royalty due on each shipment.

When we receive the settlement sheets requested in the enclosed letters, we will compute the royalty due the Government and advise you.

Very truly yours,

Telegraph signed by

J. William Hasler
Member, CME Field Team
Region III

Enclosures 3

HMC/ms

cc: Chmn. Op. Comm. (2)
Chron
Suspense
Royalty corres E1166

Uranium Research

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 14 1960

DATE	INITIALS	CODE
3-14	gad	270
3/14	[illegible]	800
	[illegible]	~~500~~
		225

Building 20 - Federal Center
Denver 25, Colorado

March 11, 1960

Susquehanna-Western, Inc.
Riverton
Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
(Rim group claims)
Fremont County, Wyoming

Chamberlain Resources

Gentlemen:

We have been informed that three (3) shipments of ore were made to your mill from the Rim No. 55 Claim during 1959. Two of these shipments were made during the second quarter of the year: one shipment of 1,262.90 tons contained 5,903.27 pounds U_3O_8, and the other shipment was 1,387.28 tons and contained 7,321.49 pounds U_3O_8. The third shipment of 1,557.08 dry tons was made in the third quarter of 1959 and contained 8,773.16 pounds U_3O_8.

Will you please forward three (3) copies of each settlement sheet for the above-listed liquidations to this office.

Very truly yours,

Original signed by

J. William Hasler
Member, OME Field Team
Region III

cc: Mr. Wayne Erickson
Western Uranium Corp
1014 E Park, Riverton, Wyo.

HMC/ms

cc: Chmn. Op. Comm. (2)
Royty corres E1166
Chron
Suspense

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 29 1960

DATE	INITIALS	CODE
2-29	gad	220
2/29		800
		500
		225

Building 20 - Federal Center
Denver 25, Colorado

February 25, 1960

Mr. Wayne Erickson
General Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. EMRA 4644 (Uranium)
Contract No. Idm-E1166
(Rim Group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

Thank you for your letter of February 22, 1960 regarding the initial production bonus on the captioned property.

Since your company had no interest in the San Juan Uranium Exploration Company, you are not liable for bonus royalty on the $357.41 paid them by the U. S. Atomic Energy Commission. The bonus royalty that you owe the Government is five percent of $34,568.66 paid the Western Uranium Corporation by the U. S. Atomic Energy Commission.

Please forward, this office, your check for $1,728.43, which is the amount of bonus royalty due, subject to final audit.

Very truly yours,

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC/ms

cc: Chmn. Op. Comm. (2)
Royalty corres E1166
Chron

Western URANIUM CORPORATION

108 SOUTH THIRD — RIVERTON, WYOMING

February 22, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 29 1960

DATE	INITIALS	CODE

Idm-E 1166

Mr. J. W. Townsend
Executive Officer, OME
Field Team Region III
U. S. Dept. of the Interior
Office of Minerals Exploration
Bldg. 20 - Federal Center
Denver 25, Colorado

Dear Mr. Townsend:

This letter is in response to your letter of February 4, 1960, in regard to the royalty due the DMEA on the initial production bonus earned from the Rim properties.

The question has arisen on the ore shipped by San Juan Uranium Exploration Company. As we had nothing to do with this firm, or any records of shipment, we have no proof that the ore was even sold. As we have had control of the property since 1957 we know for a fact that it was not shipped under our DMEA contract period. If it is necessary to establish proof of this we shall try to do so for you. If not, we will gladly forward a check to the government for the royalty due of $1,728.43. Please advise.

Respectfully yours,

WESTERN URANIUM CORPORATION

Wayne Erickson

Wayne Erickson
General Manager

WE:OS

OME
DEPARTMENT OF THE INTERIOR
FEB 2[illegible]
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 8 1960

DATE	INITIALS	CODE
2-8	gad	220
2/8	[illegible]	800
	Murphy	500
		225

Building 20 - Federal Center
Denver 25, Colorado
February 4, 1960

Mr. Wayne Erickson
General Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Rm-E1166
(Rim Group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

The Atomic Energy Commission records show that bonus payments in the amount of $34,926.07 were made as follows to shippers from the Rim Group of claims - Certification No. D.U.P. C6-C-1086:

San Juan Uranium Exploration Co.	$ 357.41
Western Uranium Corp.	34,568.66
Total	$34,926.07

The contract was executed January 27, 1958. If the ore shipped by the San Juan Uranium Exploration Company was after that date, bonus royalty and production royalty would apply on those shipments, in which case, the bonus royalty now due the Government is $1746.30. If you can establish that the ore shipped by the San Juan Uranium Exploration Company was prior to January 1958, the bonus royalty due the Government is $1728.43.

Will you please forward this office your check for the amount due the Government on bonus royalty.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC:ltm

cc: Chmn. Op. Comm.
Roy. Corres.
Chron.

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 1 1960

DATE	INITIALS	CODE
2-1	gad	VVO
2/1	[illegible]	800
2/2	Murphy	500
		VVJ

Building 20 - Federal Center
Denver 25, Colorado
January 26, 1960

Director, Finance Division
Atomic Energy Commission
AEC Compound
Grand Junction, Colorado

Re: Docket No. DMSA 4644 (Uranium)
Contract No. Ilm-E1166
Uranium Research and Development Company
(Rim group of claims)
Fremont County, Wyoming

Dear Sir:

Will you please advise the amount of bonus that has been paid on ore shipped from the Rim group of claims and to whom the payment was made. The Uranium Research and Development Company made an operating agreement with the Western Uranium Corporation.

According to our records, more than 10,000 pounds of U_3O_8 was contained in the first two shipments which were made in November and December 1958.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. E1166
Chron.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/21	Fisher	800
1/21	Talbert	800
1/22	Murphy	500
	Porter	500
1/22	GCL	130
"	Johnson	110
1-22	gad	220
		225

JAN 22 1960

Memorandum

To: Executive Officer, OMK Field Team, Region III

From: Chairman, Operating Committee

Subject: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group of Claims
Fremont County, Wyoming
Contract No. Idm-E1166

The Semiannual Report of Certified Project pertaining to this contract for the period July 1, 1958, through December 31, 1958, states that the initial production bonus amounted to $35,000.00 and that bonus royalty amounting to $1,750.00 had been paid to the Government.

A review of the records in the Washington office indicates that $10,064.91 has been received to date covering royalty applicable to this contract. This amount is based on 5 percent of $201,298.01, being the total amount paid by the receiving stations to Western Uranium Corporation for value of U_3O_8, including premiums for excess pounds, and development and haulage allowances applicable to production and sales from Rim Claim No. 55. It does not include any royalty applicable to the initial production bonus.

Please investigate and advise. If you find that royalty is due the Government, appropriate steps to collect should be initiated.

/s/ George C. Selfridge (GB)

APPROVED:

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

Harold Kirkemo (GB)
Member, Geological Survey

CEFisher/ama
January 21, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Operating Committee
~~Mr. Paone, USBM~~ Code 500
Mr. Kirkemo, USGS

43683

OFFICIAL FILE COPY O. M. E. RECEIVED AUG 3 1959		
DATE	INITIALS	CODE
8-3	gad	VVO
8/4	[illegible]	800
"	~~Mayfield~~	500
		225

Building 20 - Federal Center
Denver 25, Colorado

July 31, 1959

Mr. Wayne Erickson,
General Manager
Western Uranium Corporation
1014 East Park
Riverton, Wyoming

Re: Docket DMEA 4644 (Uranium)
Contract Idm-E1166
(Rim Group of claims)
Fremont County, Wyoming

Uranium Research & Dev. Co.

Dear Mr. Erickson:

Thank you for your letter of July 20, 1959, and the check for $4,255.89. Our records, which are subject to audit, show that you subtracted the proper amount ($198.32) to reimburse you for your overpayment on the first check.

Your second check, covering payment for Liquidation Nos. 121, 53, and 124, was for $1,104.31. The correct amount was $1,143.72, as follows:

Liq. No.		Royalty Due	Royalty Paid
121		$ 240.94	$ 240.94
53		553.39	553.39
124		349.39	309.98
	Total	$1,143.72	$1,104.31

Will you please forward this office your check for $39.41 to balance the account.

We presume that you have made application for the AEC bonus, which is applicable on the first 10,000 pounds of uranium you produce. This would include all of Liquidation No. 37 and part of Liquidation No. 46. A royalty of 5 percent is due the Government on your bonus money. When you receive your bonus payment, please forward this office a check for the amount of bonus royalty due.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Executive Officer
OME Field Team, Region III

HMC:jy
cc: Chm. Op. Comm. (2)
Roy. Corres.
Settlement Sheet File
Chron.

ROBERT L. H
OIL PROPER
DENHAM BUI
DENVER 2, CO

March 13,

Mr. Frank E. Johnson
Acting Director
Office of Minerals Exploration
Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Johnson:

Reference is made to your letter of February 27, 1959 in which you recite that the Government's audit has set the amount of the loan under the above captioned contract at $25,607.32.

This conforms to our records of the amount payable to the Government out of royalty on the production from the property.

Your Denver office has doubtless informed you that an operating agreement covering the property has been made with Western Uranium Corporation of 1014 E. Park, Riverton, Wyoming, under which they assume the obligation of repaying this loan as operators of the property. I believe papers showing this situation are now in your Denver office and payments have already been made.

Our company of course intends to keep tract of repayments to the end that the obligations assumed by Western and the obligations to the government are fulfilled. To that purpose, we ask that a copy of any correspondence in regard to the above captioned loan be forwarded to this office. Western Uranium Corporation has a copy of this request and I am sure they will acquiesce is this procedure, since it will expedite the administration of our contract.

Sincerely yours,
URANIUM RESEARCH AND DEVELOPMENT CO.
By Robert L. Harris
Robert L. Harris, President

RLH/ms
cc: Western Uranium Corp.

Make copies for Field Team.
mc

Sent 3/16/59 gla

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/24/59	Ching	700
2/24	Kuzuke	700
2/27	Selbredge	130
2/25	Chandler	500
		~~110~~
		~~100~~
3/2	C	~~300~~ 220
		700

2/27 Lurrane (130
2/27 Nelson (130

FEB 27 1959

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

Reference is made to our letter of July 30, 1958, enclosing a certification of discovery or development covering the subject property.

At the time of our letter the exact amount contributed by the Government under this project was subject to audit. Subsequently, an audit determined the amount to be $25,607.32 which is repayable by your company through royalty on production. Payments should be made in accordance with the instructions contained in the above-mentioned letter except that checks should be made payable to the Office of Minerals Exploration and sent to the Executive Officer at 224 New Customhouse Building, Denver 2, Colorado.

Sincerely yours,

Frank E. Johnson

Acting Director

Copies to:
Western Uranium Corporation
Western Drilling Corporation
both at: 1014 East Park, Riverton, Wyoming
H. O. English, Mountain Mesa Uranium Corp.
254 South Center Street, Casper, Wyoming
R. E. Fuechsel
E. S. Norton
W. J. Nicholas
W. A. Smith
all addressed: c/o Smith and Nicholas, First National Bank Bldg., Lander, Wyoming
Albert W. Dilling, President, Riverton Uranium Corporation
139 N. Clark Street, Chicago 2, Illinois

MChing/gla 2-24-59

cc to: Director's Reading File
Frank E. Johnson
Operating Committee
Frank D. Lamb, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
Contract Adm. & Audit
OME Field Team, Region III (2)
Mr. Ching

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/24/59	Ching	700
2/24	Wonde	700
2/27	Selfridge	130
2-25	Chamber	800
		~~110~~
		~~100~~
		220
		700

2/27 Iverson (130
" Nelson (130

FEB 27 1959

Mr. Jesse C. Johnson
Director, Division of Raw Materials
Atomic Energy Commission
Washington 25, D. C.

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-21166
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Johnson:

In accordance with our letter of July 30, 1958, we are supplying for your records the following additional information on the subject project:

The contract, dated January 27, 1958, covered an exploration project estimated to cost $53,760.00, with Government participation amounting to 75 percent, or $40,320.00. The total accepted cost of the project was $34,143.10, of which the Government paid $25,607.32.

The project work was carried out on 40 unpatented lode mining claims located in secs. 8, 9, and 17, T. 33 N., R. 89 W., 6th P.M. & B., Fremont County, Wyoming. It consisted of 37,159 feet of non-core drilling in 200 holes.

The exploration work resulted in the discovery of approximately 28,000 tons of indicated ore in five ore bodies. The average grade of the ore is estimated as 0.32 percent U_3O_8. An additional 37,000 tons of 0.26 percent U_3O_8 ore is believed to have been discovered on the property by independent drilling on the part of the Operator.

Sincerely yours,

Frank E. Johnson (for)

Acting Director

Copy to:
Elton A. Youngberg
Assistant Manager of Operations
AEC Grand Junction Operations Office
Grand Junction, Colorado

MChing/gla 2-24-59
cc to: Dir.'s Read
Operating C
Frank E. Jo
Frank D. La
T. H. Killsg

Mr. Ching OME FT, Reg. III (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
February 12, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 16 1959

DATE	INITIALS	CODE
2/16	C	220
"	[illegible]	~~760~~
2/17	[illegible]	~~500~~
		[redacted]
2/18	Ching	700

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region ~~III~~

Subject: Docket No. DMEA 4644 (Uranium) Contract Idm-E1166, Uranium Research and Development Company (Rim group of claims) Fremont County, Wyoming - Correction to Joint Final Engineering and Geologic Report by OME field examiners

FINAL P.T. REPORT

Reference is made to our memorandum of February 6, 1959, whereby we forwarded the original and two copies of a Joint Final Engineering and Geologic Report by the OME field examiners, dated February 3, 1959.

Subsequent review indicates that pages 2 and 18 of the report are in error regarding the tonnage of ore discovered as a result of the exploration work performed under the contract.

We are enclosing the original and two copies each of corrected pages 2 and 18, which are to be substituted for the matching pages in the Joint Final Engineering and Geologic Report.

J. W. Townsend

Enclosures

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. 110	2/16	[illegible]
2. ~~800~~	2/17	[illegible]
3. 700		
4.		
5.		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information _____

REMARKS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
February 6, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 9 1959

DATE	INITIALS	CODE
2-9	C	220 130
11		140
2-13	JB	130
2/16	C	220
		700

Memorandum

To: Chairman, Operating Committee, OME

From: OME Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium) Contract ~~Idm 81166~~ Uranium Research and Development Company, (Rim group) Fremont County, Wyoming - FINAL SUMMARY REPORT

Enclosed are the original and two copies of a Joint Final Engineering and Geologic Report, dated February 3, 1959, by F. B. Moore, Geologist, Geological Survey, and E. W. Buel, Mining Engineer, Bureau of Mines. The original and one copy of the Operator's final report were forwarded by memorandum of July 18, 1958.

The contract was terminated before completion of all work originally provided for, by a Termination Agreement, dated July 23, 1958, which was made effective June 1, 1958.

Final payment to the Operator was processed by this office August 19, 1958, in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, OME, dated August 7, 1958.

Exploration work completed consisted of the drilling of 200 holes aggregating 37,159 feet of non-core drilling. Additional work or service incident to the exploration consisted of 44 hours bulldozing, and analyses of 32 samples for U_3O_8 content; all at a total accepted cost of $34,143.10, toward which the Government contributed 75 percent, or $25,607.32.

The exploration work completed resulted in the discovery of a significant quantity of uranium ore on which a Certification of Discovery or Development was issued July 29, 1958.

Reviewed by
OME OPERATING COMMITTEE
2-13-59
(date)

BY J. W. Townsend
J. W. Townsend

BY E. N. Harshman
E. N. Harshman

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 9 1959

DATE	INITIALS	CODE
2/13	JB	130
		230

OME
DEPARTMENT OF THE INTERIOR
FEB 6 - 1959
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

OFFICE OF MINERALS EXPLORATION

JOINT FINAL REPORT BY EXAMINING TEAM
REGION III

DMEA 4644

Contract Idm-E 1166

Uranium Research and Development Company

Rim claim group

Fremont County, Wyoming

Uranium

Reviewed by
OME OPERATING COMMITTEE
2-13-59
(date)

Joint Final Engineering and Geologic Report

by

F. B. Moore, Geologist
Geological Survey

E. W. Buel, Mining Engineer
Bureau of Mines

February 3, 1959

WO

CONTENTS

	Page
Introduction and summary	1
Location and accessibility	2
Physical features	2
Property and rights	3
History, production, and present status	5
Geology and ore deposits	6
Operator's exploration proposal	9
Recommended exploration program	9
Project	10
Approved program	10
Program work completed	12
Summary of factual data and accepted costs	13
Results of exploration	15
Ore reserves	15
Conclusions and recommendations	18

ILLUSTRATIONS

Figure		Follows page
1.	Location map, Uranium Research and Development Company, Rim group, Fremont County, Wyoming. DMEA 4644, Contract Idm-E 1166	2
2.	Geologic map of part of east Gas Hills Uranium district, Wyoming, Uranium Research and Development Company. DMEA 4644	18
3.	Part of east Gas Hills Uranium district, Wyoming, showing location of Rim group claims and known deposits. DMEA 4644	18
4.	Exploration map, Rim group claims, Uranium Research and Development Company, Fremont County, Wyoming	18
5.	Exploration map, Rim group claims, Uranium Research and Development Company, Fremont County, Wyoming	18

TABLES

Table		Page
1.	Authorized work and estimated costs	12
2.	Summary of authorized and accepted costs of the project	14
3.	Indicated ore reserves on Rim claim group	17

DMEA 4644

CONTRACT Idm-E 1166

URANIUM RESEARCH AND DEVELOPMENT COMPANY
RIM CLAIM GROUP
FREMONT COUNTY, WYOMING

INTRODUCTION AND SUMMARY

Uranium Research and Development Company, 209 Denham Building, Denver, Colorado, applied on February 12, 1957, for DMEA assistance to explore for uranium on the Rim claim group, Fremont County, Wyoming. The operator proposed a two-stage program consisting of rotary non-core drilling totaling 63,000 feet at an estimated cost of $75,547.00.

An examining team of W. P. Pratt, U. S. Geological Survey, and E. O. Binyon, U. S. Bureau of Mines, in company with R. L. Erickson, geologist for the operator, examined the property on March 19, 1957. The examining team recommended a two-stage program of 230 holes aggregating 57,500 feet of non-core drilling. A "short form", fixed unit cost contract was signed on January 27, 1958. The estimated allowable cost was $53,760 of which the Government's share at 75 percent was $40,320.

The Rim claims are underlain by the upper facies of the Wind River formation of early Eocene age. Uranium is in bedded deposits at depths of 35 to 400 feet below the surface. Most of the economically important deposits contain unoxidized uranium minerals--chiefly uraninite and coffinite.

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 16 1959

DATE	INITIALS	CODE

As a result of DMEA drilling, five ore bodies were discovered which contained a total of 28,000 tons of ore averaging 0.32 percent U_3O_8. A certification of discovery was issued on July 29, 1958.

LOCATION AND ACCESSIBILITY

The Rim claim group is in secs. 8, 9, and 17, T. 33 N., R. 89 W., sixth principal meridian, Fremont County, Wyoming (fig. 1). The claims are approximately 60 miles east of Riverton, Wyoming, in the eastern part of the Gas Hills region.

The property can be reached from the south by way of the new Lost Creek road. This road is entered from U. S. Highway 287, about 1/4 mile west of Split Rock. The Lost Creek road is followed northeasterly for 28.2 miles to the fork in the road. The right hand fork is taken to and through the Lucky Mc mining camp. From this camp, the middle road is followed for 2.3 miles to a junction; thence right for 0.9 mile to the southern end of the property.

PHYSICAL FEATURES

The claim area has a gently rolling surface with a relief of not more than 300 feet. Altitudes range from 6,600 and 6,900 feet.

There is no water or timber on the claims. A small reservoir, called the Iron Springs, is near the west boundary of the claims.

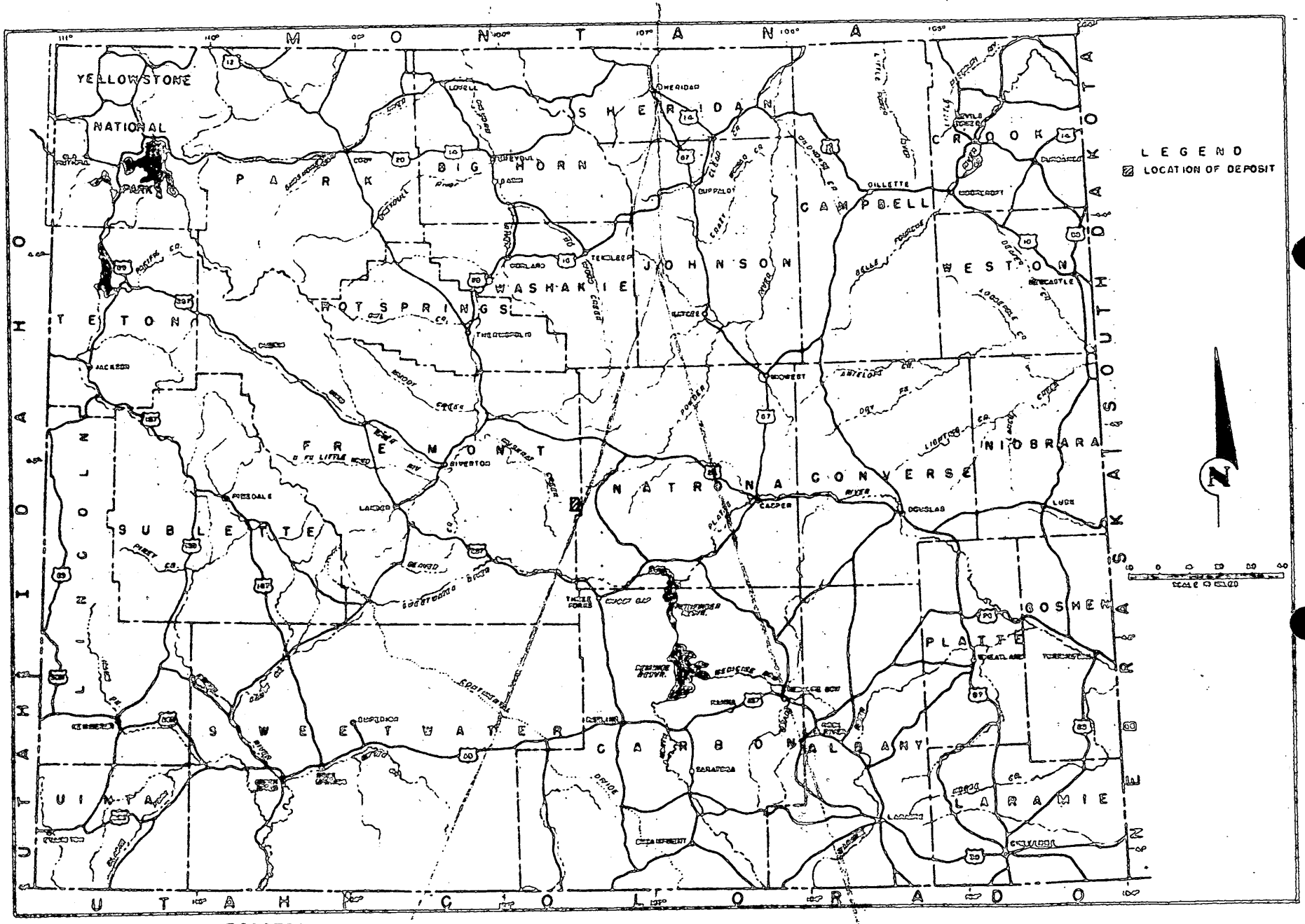

FIGURE 1 - LOCATION MAP, URANIUM RESEARCH AND DEVELOPMENT COMPANY, RIM GROUP
FREMONT COUNTY, WYOMING DMEA 4644 Contract Idm-E1166

Water for drilling or domestic use, however, must be hauled from more distant sources. Vegetation is sparse and consists principally of sage, range grasses, and cacti.

The climate is characterized by fairly hot and dry summers and below zero weather for short periods during the winter. Heavy snowstorms in the winter and early spring greatly restrict travel over unimproved roads in the region. For the most part, mining operations can be carried on throughout the year except for those periods accompanied by heavy snowfalls and/or sub-zero weather.

Most equipment, supplies, and labor are obtained from Riverton, to the west, and Casper, Wyoming, to the east. A number of small communities are located along the highways to the north and south of the Gas Hills region. From these communities, labor and minor supplies may be obtained.

PROPERTY AND RIGHTS

The Rim claims are held by virtue of location by the Rim group, a joint mining venture, of Lander, Fremont County, Wyoming. On December 7, 1956, the owners leased the Rim claims to Rocket Mining Company and also made an agreement with Mountain Mesa Uranium Corporation whereby a certain portion of the royalty to be received from Rocket Mining Company would be paid Mountain Mesa Uranium

Corporation. The Mountain Mesa organization was granted the right to lease the Rim claims in the event that Rocket Mining Company forfeited its lease.

Rocket Mining Company became a part of a joint mining venture on February 8, 1957. This venture comprised Western Uranium Corporation, Uranium Research and Development Company, and Rocket Mining Company. The amount of interest in the joint venture was as follows: Rocket Mining Corporation 60 percent, Western Uranium Corporation 24 percent, and Uranium Research and Development Corporation 16 percent. Uranium Research and Development Company was given a power-of-attorney to act in behalf of the mining venture.

Claims which were included in the contract are recorded in Lander, at the Fremont County Courthouse as follows:

Claim no.	Book	Page	Date located
Rim 1-9	117	188-196	10/19/53
Rim 16-23 and 26-30	117	197-209	10/19/53
Rim 34, 35, 39, 40	117	210-213	10/19-20/53
Rim 44-57	117	214-227	10/20/53 (Rim 47 located 10/31/53)

Prior to the DMEA examination, Riverton Uranium Corporation filed a suit claiming title to the Rim claim group. A court ruling on March 22, 1957, was in favor of the operator. An appeal of the ruling of U. S. District Court (Civil cases Nos. 3966 and 4041) was filed by Riverton Uranium Corporation. The disposition of the appeal is not known.

HISTORY, PRODUCTION AND PRESENT STATUS

The Rim claim group was located in October 1953 and, shortly thereafter, two pits were excavated on favorable anomalous areas on the Rim 35 and Rim 59 claims. Some oxidized ore was reported to have been mined from the pits, but this was never verified by DMEA personnel.

At present the operator is developing and shipping ore from two of the favorable areas discovered by company drilling. Through December 1958, 7,500 tons of ore averaging 0.26 percent U_3O_8 had been shipped mostly from the area No. 4 ore body on claims 55 and 59. Gross value of this ore was about $178,000. As part of the ore produced came from ground subordinated under the contract, the amount of royalty payments due the Government is currently being resolved.

A pit on the No. 2 area ore body is being expanded and some underground mining is planned. Company drilling to the east subsequent to termination of the DMEA contract has added 6,000 tons to the reserves of the No. 2 ore body. No development or mining on ore bodies discovered by DMEA drilling has been done to the present time.

GEOLOGY AND ORE DEPOSITS

The Rim claims are in the eastern Gas Hills in an area of rolling hills underlain by the upper facies of the Wind River formation of early Eocene age. The upper facies, which ranges from 40 to 330 feet in thickness, consists of coarse grained, arkosic sandstones with some conglomerate layers and siltstone or claystone lenses. Carbonaceous material is fairly abundant in the lower part of the upper facies. The lower facies, composed largely of siltstone or claystone, is generally absent in the exploration area. The formation covers the entire claim group and unconformably overlies steeply dipping older beds that form the buried northeast flank of the Dutton Basin anticline (fig. 2). The pre-Wind River rocks on the Rim claim group include, from younger to older, the Cody shale, Frontier formation, Mowry shale, Thermopolis shale, and Cloverly formation - all of Cretaceous age - and the Morrison formation of Jurassic age.

The early Eocene erosion surface, which has been partly stripped of its Tertiary cover west of the Rim group, consists of a series of alternating ridges and valleys cut in formations that dip north and strike from northwest to northeast thus forming a northward plunging syncline whose axis trends approximately across the middle portion

of the claims. The ridges and valleys largely determine the local variations in thickness of the upper Wind River formation.

The Wind River formation dips regionally about 2° to the southwest. It is cut by numerous faults visible on the surface as alignments of saddles, iron-stained outcrops, drainage, or vegetation and locally confirmed by drill hole data or exposure in pits. Most of the faults trend west-northwest, parallel to the strike of the Mesozoic formations in the western part of the exploration area. The displacement on some faults is on the order of 10 to 20 feet but on many the amount of displacement is not known.

Two general types of uranium deposits - oxidized and unoxidized - occur in the Gas Hills area. All the economically important deposits are in the upper facies of the Wind River formation where they occur as irregular blanket-like bodies. The oxidized type contains uranium phosphates, silicates, and hydrous oxides in the interval above the ground water table. The main ore minerals in the unoxidized zone are uraninite and coffinite generally occuring as interstitial fillings. Most of the economically important deposits are of the unoxidized type.

Several unoxidized ore deposits occur within a 2-1/2 mile radius southeast of the Rim group, and the Lucky Mc, Vitro, and Lost Creek deposits are about 3-1/2 miles southwest (fig. 3). Uraninite and

coffinite intimately mixed with pyrite fill pore spaces and in part replace grains of siltstone and sandstone. The known deposits are at depths ranging from 35 to 400 feet below the surface. Extensive drilling has shown that particular beds tend to be lenticular and discontinuous and that ore mineralization may be discontinuous and erratic within any given bed; specific horizons, therefore, cannot be designated as particularly favorable for exploration purposes.

As a result of openpit mining and extensive drilling - both DMEA and non DMEA - several factors are thought to be possible controls of uranium mineralization in the Gas Hills area. The coarse grain of the sediments in the upper facies of the Wind River formation allows easy circulation of fluids. Many deposits are in or above siltstone or claystone layers which apparently acted as traps, some of which are related to perched water tables supported by claystone or siltstone lenses. Drilling has indicated that the principal mineralized areas in the Central Gas Hills are underlain by lows in the pre-Wind River erosion surface although the deposits may be at any horizon above the valleys and not necessarily within the closure of the valley. Faults in the Wind River formation acted as controls in that the impermeable gouge produced on them formed barriers to solutions moving laterally, thus localizing ore on one

side. The distance to which this control extends from faults is not known but areas cut by faults are more favorable for ore than other areas.

OPERATOR'S EXPLORATION PROPOSAL

The operator originally proposed to explore the property by a two-stage non-core rotary drilling program. Stage I comprised 31,500 feet of drilling and Stage II an approximately equal footage. The operator's estimated cost of this exploration, to be completed in six months, amounted to $75,547.00.

RECOMMENDED EXPLORATION PROGRAM

The examiners and Field Team were essentially in accord with the program as outlined by the operator, except for his high costs.

The work recommended for Stage I consisted of 126 holes spaced on 500-foot centers, except for two northernmost holes on Rim No. 46, one hole on Rim No. 44, and two holes on the south side of Rim No. 34 which were to be spaced 400 feet apart in order to stay at least 100 feet from the property boundary. The holes were expected to be a minimum of 100 feet and a maximum of 400 feet in depth with an average depth estimated as 250 feet.

Recommended work under Stage II consisted of 104 holes to offset any mineralized holes encountered under Stage I. The average depth of Stage II holes was estimated as 250 feet.

Totals for both stages were 230 holes and 57,500 feet of drilling. A period of five months was recommended for completion of the contract work. The examiners estimated that the contract would cost $54,529.75 of which the Government's participation at 75 percent would be $40,897.31.

PROJECT

Approved program

Exploration contract Idm-E 1166 was consummated on January 27, 1958, by the Government and Uranium Research and Development Company, 209 Denham Building, Denver, Colorado. The length of the contract was six months. The estimated total allowable cost was $53,760.00 of which $40,320.00 was the Government's share based on a 75 percent participation. The contract was "Short Form" with all work units on a fixed cost.

The purpose of the exploratory work was to test by non-core drilling the potential ore-bearing sandstones of the upper Wind River formation of Eocene age. This was to be done by drilling completely through the Wind River formation, but not more than 10 feet below the base of the formation.

The authorized work was to be performed in two stages with the operator completing all of Stage I work and as much of Stage II work as was approved in advance by the Government.

In summary, Stage I work consisted of preparing access roadways and drill sites and drilling approximately 126 holes aggregating about 31,500 feet. The holes were to be drilled on 500-foot centers (square grid), except for the two northernmost holes on Rim No. 46 claim, the hole on Rim No. 44, and the two southernmost holes on Rim No. 34 which were to be spaced 400 feet from other holes in a north-south direction. If the 126 holes required more than 31,500 feet of drilling for their completion, the additional footage and funds could be transferred from Stage II work upon the approval of the Government.

Stage II authorized the drilling of not more than 104 offset holes with an aggregate footage of not more than 26,000 feet. These holes were to be spaced not closer than 100 feet from any previously drilled hole which completely penetrated the Wind River formation. Other approved work included access roadways and drill sites preparation.

The authorized work and estimated costs are tabulated as follows:

Table 1.--Authorized work and estimated costs

Stage I			
31,500 feet non-core drilling at $0.90/ft.	$28,350.00		
24 hrs. bulldozing at $13.00/hr.	312.00		
200 chemical analyses for U_3O_8 at $4/ea.	800.00		
Total cost		$29,462.00	
Stage II			
26,000 feet non-core drilling at $0.90/ft.	$23,400.00		
20 hrs. bulldozing at $13.00/hr.	260.00		
160 chemical analyses for U_3O_8 at $4/ea.	640.00		
Total cost		$24,300.00	
Grand total of the project (rounded)			$53,760.00
Government participation at 75 percent			$40,320.00

No modifications in the authorized work or costs were necessary.

Program work completed

Field work was begun on February ~~20~~ 5, 1958, and was finished on May 31, 1958. A "Termination Agreement" was signed on July 23, 1958, between the Government and the operator. The agreement stipulated that the effective termination date was June 1, 1958.

Stage I, as completed, comprised 24,046 feet of non-core drilling in 126 holes, and Stage II 74 holes aggregating 13,308 1/ feet of non-core drilling. Twenty-four and 20 hours, respectively, of bulldozing were done under Stages I and II. The principal units of work completed and attendant units are tabulated in Table 2.

The operator is competent to undertake exploratory work and the work was carried out in an efficient and workmanlike manner.

SUMMARY OF FACTUAL DATA AND ACCEPTED COSTS

The units of work and costs authorized and completed under the contract are summarized in Table 2.

1/ Includes 195 feet drilled in excess by the operator but not claimed for payment.

Table 2.--Summary of authorized and accepted costs of the project

Type	Authorized project work			Project work completed		
	Units	Unit cost	Total cost	Units	Unit cost	Total accepted cost
Fixed unit cost						
Stage I						
Non-core drilling	31,500 ft.	$ 0.90/ft.	$28,350.00	24,046 ft.	$ 0.90/ft.	$21,641.40
Bulldozing	24 hours	13.00/hr.	312.00	24 hours	13.00/hr.	312.00
Chemical analyses	200	4.00/ea.	800.00	17	4.00/ea.	68.00
Total			$29,462.00			$22,021.40
Stage II						
Non-core drilling	26,000 ft.	$ 0.90/ft.	$23,400.00	13,113 ft. 1/	$ 0.90/ft.	$11,801.70
Bulldozing	20 hrs.	13.00/hr.	260.00	20 hours	13.00/hr.	260.00
Chemical analyses	160	4.00/ea.	640.00	15	4.00/ea.	60.00
Total			$24,300.00			$12,121.70
Grand total (rounded)			$53,760.00			$34,143.10
Amount of Government participation at 75 percent						$25,607.32

1/ Does not include 195 feet drilled in excess, but not claimed for payment, by the operator.

RESULTS OF EXPLORATION

DMEA drilling on the Rim group of claims delineated five significantly mineralized areas which occur in a favorable belt extending southwesterly from ore bodies previously discovered by company drilling (figs. 4 and 5). A possible northeasterly extension of the belt is outside the area owned by the operator. The ore occurs at depths from 40 to 245 feet but most is in the interval between 180 and 245 feet below the surface. The average thickness is less than 4 feet which, combined with an average grade of about 0.35 percent U_3O_8, makes profitable mining doubtful at this time especially because most of the favorable areas are composed of several overlapping ore bodies at different depths. Closer spaced drilling, which the operator may do, might prove that some individual bodies are economically mineable. Otherwise the Rim claims have been adequately explored by drilling under the DMEA program.

ORE RESERVES

The ore reserves have been calculated in large part from maps and figures furnished by the operator who had company drill hole data not available to the writers. The operator's ore reserves on claim 55 and in the northeast corner of claim 35 calculated from results of company drilling could not be substantiated although fairly complete data was available on a company map and sections.

These reserves were 1-1/2 to 2 times greater than those calculated by the field examiners. Reserves resulting from DMEA drilling as well as total reserves are given in the table below. Most of the reserves are of unoxidized type ore except where indicated otherwise.

Table 3.--Indicated ore reserves on Rim claim group

DMEA explored ground

Area	Tons	U_3O_8 (percent)	Average thickness (in feet)	Remarks
A	6,000	0.15	2.0	about 1/3 is oxidized ore
B	15,000	0.45	2.5	
C	600	0.31	5.0	oxidized ore, tonnage based on 1 hole
D	2,000	0.18	3.5	data from 1 DMEA hole only, company thickness & grade used
E	4,000	0.19	3.5	" " " " "
Total *	28,000	Av. 0.32		

* Includes several hundred tons from 3 small ore bodies based on 1 hole each.

Company explored ground

1	3,200	0.34	7.2
2	22,500	0.26	7.5
3	6,000	0.25	5.3
4	6,300	0.26	7.9
Total	37,000	Av. 0.26	

CONCLUSIONS AND RECOMMENDATIONS

The drilling program completed with DMEA assistance has adequately explored the Rim claim group and additional exploration with Government assistance is not recommended.

Five ore bodies totalling 28,000 tons of 0.32 percent U_3O_8 were discovered at depth chiefly between 180 and 245 feet below the surface. A certification of discovery was issued July 29, 1958.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado

February 9, 1959

OFFICIAL FILE COPY O. M. E. RECEIVED FEB 11 1959		
DATE	INITIALS	CODE
2/11	C	220
2/11	~~[illegible]~~	700

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research and Development Company (Rim Group of Claims), Fremont County, Wyoming

Left-hand side

Enclosed is a copy of an Agreement dated July 15, 1958, by and between Uredco Associates and Vendees. This Agreement transfers, conveys and assigns to Vendees all the rights, title and interests of Uredco Associates in the Rim Group of Claims.

It is noted in Paragraph 10 on Page 6 of the Agreement that Vendees accepts all provisions of the DMEA contract.

J. W. Townsend

Enclosure

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 9 1959

DATE	INITIALS	CODE
2-9	C	220
"	Eling	700

OMA
DEPARTMENT OF
FEB 6 -
REGIONAL
DENVER, COLORADO

Executive Officer
[illegible] Room
[illegible]
[illegible] New Customhouse Building
Denver 2, Colorado

Attention: Mr. Townsend

Re: Contract [illegible]-4644 (Uranium)
Contract [illegible]-E1166
[illegible] Group Claims, Fremont County, Wyoming

Gentlemen:

Enclosed you will find Settlement Sheets with appropriate weight and moisture certificates from Lucky Mc Corporation, covering Lots [illegible] through J-4 marketed in October, and Lots J-5 through J-7 marketed in November. Also you will find copies of settlement sheets from Western Nuclear Corporation covering shipments of Lots numbered 1518 and 1556, made in October; also two additional sheets for ores shipped in November covering Lots numbered 1568, 1579, 1577, and 1247. The total value of the ores shipped during the months of October and November from property subject to [illegible] contract was [illegible],806.01. This figure includes [illegible] payment, development allowance, trade premium, and trucking.

Enclosed you will please note the check for the amount of [illegible],865.30 which covers our payment to you for that period of October and November of 1958. We have also enclosed for your benefit copies of our agreement dated July 16, 1958 where Uranium transfers their [illegible], title, and interest in and to the premises covered by contract [illegible]-1166. This additional also relieves Uranium's responsibility under said contract, and to cover all requirements of said contract [illegible].

Sincerely yours,

[illegible]

Copies to
[illegible]

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 2 1959

DATE	INITIALS	CODE
2/2	C	220
2/4	[illegible]	800
	[illegible]	700

224 New Customhouse
Denver 2, Colorado

January 30, 1959

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

We have been advised that considerable production of ore has been made from the captioned property which was subordinated to the Government by Contract No. Idm-E1166, dated January 27, 1958.

By the terms of the exploration project contract and of the certification dated July 29, 1958, all minerals mined or produced from the ground as subordinated under provisions of Article 2 of the contract from January 27, 1958 to January 27, 1968, are subject to the Government's percentage royalty as set forth in the contract until the amount contributed by the Government is repaid.

Please forward this office three copies of each settlement sheet for each liquidation number from subordinated land and we will compute the amount of royalty due the Government and advise you.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Executive Officer
OME Field Team, Region III

HMC/ff

cc: Chmn. Op. Comm. (2)
Harshman
Marshall
Corres. File, Contract E-1166
Royalty File, E-1166
Cooper
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/12	G. McCarthy	800
		~~220~~
8/12	Talbert	800
8/13	H. G.	220
		700

AUG 12 1958

Mr. Thomas H. Brading
DMEA Auditor
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Co.
Contract No. Idm-E1166

Dear Mr. Brading:

Your Report of Review on the above referenced contract is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

GMcCarthy/GMcC
August 12, 1958

cc: Docket
Admr. Reading File
Mr. Chambers

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
August 6, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research and Development Company (Rim Group of claims), Fremont County, Wyoming

Enclosed are the Government's and Audit copies of the TERMINATION AGREEMENT, which was forwarded by your letter of July 23, 1958 for signature by the Operator.

Copies of the Termination Agreement have been distributed to the Operator, the Finance Office, and others concerned in Region III.

J. W. Townsend

J. W. Townsend

Enclosures

DMEA
RECEIVED AUG 8 1958
8/8 C
CODE
220
700

224 New Customhouse
Denver 2, Colorado
August 6, 1958

Memorandum

To: T. H. Breding, DMEA Auditor - w/enclosure

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research and Development Company (Rim Group of claims), Fremont County, Wyoming

The subject contract was terminated before performance of all work originally provided for, by a TERMINATION AGREEMENT, dated July 23, 1958, which was made effective June 1, 1958. A copy of the Termination Agreement is enclosed for your records.

The Operator has rendered a final account and a final engineering and geologic report, as required by the contract. Therefore, final payment of the Operator's account is in order, contingent on release to this office of a Certificate and Report of Audit, or Report of Review of reported project costs, whichever the case may indicate.

Work or service completed on a Fixed Unit Cost basis consisted of 37,159 feet of drilling, 44 hours of bulldozing, and analysis of 32 samples for U_3O_8 content.

The amount of $500.00 was withheld from reimbursement to the Operator in processing its accounting report for the month of May, 1958.

Original signed by
J. W. TOWNSEND

J. W. Townsend

JDC:prl

cc: Chem. Op. Comm. (2)
Harshman
Corres.
Cooper
Chron.

8/8 C

220
700

CERTIFIED TRUE COPY
DMEA
RECEIVED JUL 30 1958

DATE	INITIALS	CODE
7/30	C	220
7/30	[illegible]	800
"	[illegible]	700

224 New Customhouse
Denver 2, Colorado

July 28, 1958

CERTIFIED MAIL

Mr. Ralph L. Erickson, Vice President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Co.
(Rim group) Fremont County, Wyoming

Dear Mr. Erickson:

Enclosed are the Government's, Audit, Finance Office and Field Team copies of a proposed TERMINATION AGREEMENT which has been prepared in reference to your letter of June 17, 1958, to terminate Contract Idm-E1166, effective June 1, 1958.

If the proposed Termination Agreement is satisfactory, all copies are to be signed by an official of Uranium Research and Development Company, authorized to sign such an instrument, the signer's title inserted, the corporate seal affixed, and all copies promptly returned to this office; upon receipt of which the Operator's copy will be forwarded to you.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

Encls.

JDC:bh

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DFC (Binyon)
Corres. File, Reg.III
Cooper
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	Kennedy	700
	Rybni	140
	Dwyer	140
7-28	Ass'd. Sol. Off. Hamilton	800
	Martin	130
7/29	Johnson	110
"	Hawkesby	100
7/30	C	220
		700

JUL 30 1958

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Rim Group Claims
Fremont County, Wyoming

Yopes
Gallagaud

Dear Mr. Harris:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract." This certification covers all the land described in Article 2 of the subject contract.

By the terms of the Exploration Project Contract and of the certification, all minerals mined or produced from January 27, 1958 to January 27, 1968, are subject to the Government's percentage royalty as set forth in the contract until the amount contributed by the Government is repaid.

Payments should be made to the Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado. Checks should be payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Any bonus payments or allowances received by you from production are considered to be a part of the purchase price to which the Government's royalty applies. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

8623

You are requested to notify the Executive Officer of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period, please notify the Executive Officer at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

MChing/izm 7-18-58 254 South Center St., Casper, Wyoming
cc: H. O. English, Mountin Mesa Uran. Corp.
Messrs. R.E. Fuechsel, E.S. Norton, W.J. Nicholas, W.A. Smith,
c/o Smith and Nicholas, First Nat'l. Bnk Bldg.
Lander, Wyoming
Albert W. Dilling, Riverton Uranium Corp.
Contract Adm. & Audit Div.
DMEA FT. Reg. 3 (2)
Admr.'s Reading File
Frank E. Johnson
Operating Committee
Frank D. Lamb, Rm. 3608
THKiilsgaard, Rm. 5224
Mr. Ching

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	Fuente	700
		~~140~~
		~~240~~
7-28	Chambers	800
	Martin	130
7/29	Johnson	110
"	Rotterling	100
		220

JUL 30 1958

Mr. J. W. Townsend
Acting Alternate Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium) 700
Contract No. Idm-E1166
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Townsend:

Enclosed for your files are two copies each of a certification of discovery or development issued on the subject property and the covering letter to the Operator. Also enclosed are two copies each of letters to Mr. Albert W. Dilling and Mr. R. E. Fuechsel with notation on the latter showing that identical letters were sent to Messrs. E. S. Norton, W. J. Nicholas, and W. A. Smith, at the same address.

We find that the address of the Mountain Mesa Uranium Corporation has not been supplied this office. We are, therefore, attaching a date-stamped original letter, with distribution copies, addressed to Mr. H. O. English, president of that corporation. Please insert the correct address in the original and all copies of the letter, forward the original to the addressee, and return all copies, except those indicated for the Field Team, to this office for distribution.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Enclosures
APPROVED:

P. F. Yopes

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

MChing/izm 7-18-58
cc: Mr. Ching
Admr.'s Reading File
Operating Committee
Frank E. Johnson
Contract & Audit Div.
Frank D. Lamb, 3608
THKiilsgaard, 5224

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	Kuenzle	700
		~~140~~
		~~140~~
7-28	Chamber	800
	Martin	130
7/28	Johnson	110
"	Buttendorf	100
		220

JUL 30 1958

Mr. R. E. Fuechsel
c/o Smith and Nicholas
First National Bank Building
Lander, Wyoming

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium) 700
Contract No. Idm-E1166
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Gopler
Hillegaard

Dear Mr. Fuechsel:

Enclosed is a copy of a certification of discovery or development, with copy of covering letter to the Operator, which has been issued pursuant to the terms of the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on June 27, 1957. The Government's prior lien on the land and upon any production therefrom will continue in existence for the length of time mentioned in the enclosed copy of the letter to the Operator. You are obligated during that period to commit no act and to assert no claim in conflict with the Government's rights under the agreement signed by you, and to give advance notice of the Government's rights to any transferee or lessee of any part of your interest in the land or the production therefrom.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosures

MChing/izm 7-18-58
cc: Mr. Ching
Admr.'s Reading File
Operating Committee
Frank E. Johnson
Contract Adm. & Audit Div.
Frank D. Lamb, 3608
THKiilsgaard, 5224

Identical letters to:
E.S. Norton
W.J. Nicholas
W.A. Smith
(same address as Fuechsel)
DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	Kennedy	700
		~~140~~
		~~140~~
7-28	Chambers	800
	Martin	130
7/29	Kleppe	110
8	Mittendorf	~~100~~
		~~220~~
		700

JUL 30 1958

Mr. Albert W. Dilling, President
Riverton Uranium Corporation
139 N. Clark Street
Chicago 2, Illinois

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Co
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Dilling:

Enclosed is a copy of a certification of discovery or development, with copy of covering letter to the Operator, which has been issued pursuant to the terms of the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on June 19, 1957. The Government's prior lien on the land and upon any production therefrom will continue in existence for the length of time mentioned in the enclosed copy of the letter to the Operator. You are obligated during that period to commit no act and to assert no claim in conflict with the Government's rights under the agreement signed by you, and to give advance notice of the Government's rights to any transferee or lessee of any part of your interest in the land or the production therefrom.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosures

MChing/izm 7-18-58
cc: Mr. Ching
Admr.'s Reading File
Operating Committee
Frank E. Johnson
Audit Division
Frank D. Lamb, 3608
THkillsgaard, 5224

DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	Kuarke	700
		~~140~~
		~~140~~
		~~800~~
	Martin	130
7/29	Johnson	110
4	Mittendorf	100
		220
		700

JUL 30 1958

Mr. H. O. English, President
Mountain Mesa Uranium Corporation
254 South Center Street
Casper, Wyoming

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Dear Mr. English:

Enclosed is a copy of a certification of discovery or development, with copy of covering letter to the Operator, which has been issued pursuant to the terms of the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 13, 1958. The Government's prior lien on the land and upon any production therefrom will continue in existence for the length of time mentioned in the enclosed copy of the letter to the Operator. You are obligated during that period to commit no act and to assert no claim in conflict with the Government's rights under the agreement signed by you, and to give advance notice of the Government's rights to any transferee or lessee of any part of your interest in the land or the production therefrom.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

MChing/izm 7-18-58

cc: Mr. Ching
Admr.'s Reading File
Operating Committee
Frank E. Johnson
Contract Adm. & Audit Div.
Frank D. Lamb, 3608
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Ching	700
7/24	[illegible]	700
		~~140~~
		~~140~~
7-28	Chambers	800
	Martin	130
7/29	Johnson	110
	Mittendorf	100
		~~220~~
		700

JUL 30 1958

Mr. Jesse C. Johnson
Director, Division of Raw Materials
Atomic Energy Commission
1717 H Street, N.W., Rm. 800
Washington 25, D. C.

INTERIOR DEPT.
JUL 24 1958
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Yopes
Tilagaard

Dear Mr. Johnson:

I am enclosing one copy of a certification of discovery or development relating to the subject exploration contract.

The final reports of the Operator and the Field Team and the final accounting of funds expended on this project have not been completed. Accordingly, we will supply additional information for your records upon receipt of these reports.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

Copy to: Elton A. Youngberg, AEC
Grand Junction Colorado w/cc of cert.

MChing/izm 7-18-58
cc: Mr. Ching
Admr's Reading File
Operating Committee
Frank E. Johnson
Contract & Audit Div.
Frank D. Lamb, 3608
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7-18	Ching	706
7-18	[illegible]	700
7-22	Chambers	800
	Martin	130
7/22	Johnson	110
23	[illegible]	100
7/23	C	220
		700

JUL 23 1958

Mr. J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Townsend:

In accordance with your memorandum of July 8, 1958, we are enclosing the original and four copies of a proposed Termination Agreement between the Government and Uranium Research and Development Company. Also enclosed are two extra copies of the agreement for the use of the Field Team.

If you and the Operator find the agreement in order, please have the Operator execute it as indicated and make the usual distribution thereafter.

A certification of discovery or development is in process of being prepared.

Sincerely yours,

W. S. Martin
(esf)
ACTING Chairman, Operating Committee

Enclosures

APPROVED:

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

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

MChing/izm 7-18-58
cc: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
July 18, 1958

7/21	C	220
7/21		800
~~7/24~~		700
7/24		

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research & Development Co. (Rim claims), Fremont County, Wyoming

Enclosed are two copies of a final report submitted by the Operator pertaining to work completed under the subject contract.

Termination of the contract is now pending in your office.

J. W. Townsend

Enclosures

URANIUM RESEARCH & DEVELOPMENT CO.
209 Denham Bldg.
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
JUL 17 1958
REGION III
DENVER, COLORADO

RECEIVED JUL 21 1958

DATE	INITIALS	CODE

FINAL REPORT

Docket No. DMEA 4644 (Uranium)
Contract Idm-E1166
Uranium Research & Development Co.
(Rim Group)
Fremont County, Wyoming

The exploration program under the above captioned contract was initiated Feb. 20, 1958, and completed May 31, 1958. This program consisted of 37,159 feet of drilling contained in 200 drill holes, at a total cost of $34,143.10. The Stage I program consisted of 126 drill holes (24,046 ft.) on 500 ft. centers that penetrated the entire Upper Wind River formation and 76 Stage II drill holes as offsets to Stage I drill holes that showed significant mineralization in the unoxidized or "blue" zone.

The results of the D.M.E.A. program have delineated an area of favorable ground about 3,000 feet long and 900 feet wide. In addition, six new possible ore bodies have been discovered within this mineralized trend ranging in size from 3,000 to 25,000 tons contained in 7,500 tons of probable ore of .19% U_3O_8 and 38,800 tons of inferred ore of .26% U_3O_8. These reserves, discovered under the D.M.E.A. program, show an average thickness of less than four feet which would probably preclude an economic mining operation particularly because the ore intervals are not consistent but occur sporadically over a vertical depth range of 40 to 245 feet and the bulk of these reserves are at depths from 180 to 245 feet. However, additional close-spaced drilling, (50-foot centers) may develop smaller ore bodies of sufficient thickness and grade to warrant a mining operation.

The following table shows a summary of the work performed and unit costs thereof:

2 Maps in envelope folder

Op's Final Report

	Units	Cost	Unit Cost
Stage I			
Drilling	24,046 ft.	$21,641.40	$ .90
Bulldozing	24 hrs.	312.00	13.00
Assays	17	68.00	4.00
Stage II			
Drilling	13,113 ft.	11,801.70	.90
Bulldozing	20 hrs.	260.00	13.00
Assays	15	60.00	4.00
TOTAL COST:		34,143.10	

A map showing drill hole locations, probable and inferred ore bodies, and thickness and grade of mineralization is included with this report. Also included for your information is a map showing the location and cross-sections of the ore bodies on Claim #55 discovered prior to commencement of the D.M.E.A. program.

A complete geological report reviewing all phases of the Rim project, including both D.M.E.A. and non-D.M.E.A. work is also included for your information.

Ralph L. Erickson
Project Geologist

GEOLOGICAL REPORT

Location and Accessibility

The Rim Claims, consisting of forty-two unpatented lode mining claims, are located in parts of Sections 8, 9, and 17; T. 33N., R. 89W., 6th P.M.&B., in the east Gas Hills district of Fremont County, Wyoming. The property is most easily accessible from Riverton by fifty-seven miles of gravel road and from Moneta, on U.S. Highway 20, by thirty-five miles of unimproved road. Several mines (open-pit operations) have been opened in this area in the past two years. The Levi Construction mine is about one-half miles east; the Aljob Mines (Union Carbide) are about one mile east; the Vecca (Vitro) and Two States mines are within one and one-half miles to the southeast.

Stratigraphy

The Wind River formation of Eocene age crops out over the entire claim group and unconformably overlies steeply dipping older beds that form the buried northeast flank of the Dutton Basin Anticline. The northeast flank of this anticline is exposed immediately to the west of the claim group where rocks of Cretaceous and Jurassic age crop out. Differential erosion of the anticline produced a ridge and valley topography with a maximum relief of 150 feet in this area prior to the deposition of the Tertiary Wind River sediments. The pre-Wind River rocks in the subsurface on this claim group include from north to south, the Cody shale, Frontier formation, Mowry shale, Thermopolis shale, and Cloverly formation, all of Cretaceous age and the Morrison formation of Jurassic age. The Cody and Frontier formations form broad valleys and the Thermopolis shale forms a narrow but shallow trough-like valley. The Mowry shale and Cloverly formation form ridges.

A subsurface contour map, prepared on the pre-Wind River erosion surface based on the results of a 500-foot center drilling program over the entire claim group shows the principle drainage on this erosion surface was in a west to north-westerly direction and was controlled chiefly by the strike of the more resistant formation. Some of the tributary drainage cuts through the resistant ridges. This map also shows that the strike of the pre-Wind River beds changes from northwest to northeast forming a northward plunging syncline whose axis trends approximate across the middle portion of the claims. Two probable normal faults which appear to converge at the axis of the syncline are also shown on this map. The formations are down-droppped on the east side with a displacement measured in hundreds of feet.

The Wind River formation dips regionally about 2° to the southwest and ranges in thickness from forty feet in the west part of claim #23 to 330 feet on claim #39. Only the upper member of the Wind River formation is present in this locality and consists chiefly of pale grayish-yellow to rusty orange-brown, coarse-grained to conglomeratic, arkosic sandstone. The conglomeratic lenses are composed chiefly of granite pebbles, cobbles, and boulders ranging up to one foot in diameter. Local lenses of siltstone and claystone ranging in thickness from a few inches up to as much as fifteen feet occur with sporadic vertical distribution but are most consistently present along a north-east south-west trend across claims #55,#35,#34,#28, and #27. These finer-grained rocks tend to form perched water tables.

A few thin beds of dark chocolate brown, silty, lignitic, claystone occur at depths of thirty to forty feet in claims #22 and #21.

A contour map, prepared on the elevation of the unoxidized or "blue" zone shows that the ground water movement within the formation is to the west and generally conforms with the configuration of the pre-Wind River formation. Sharp differences in the elevation of the unoxidized zone are common in the mineralized trend. These differences are shown on the map as possible faults but are probably due to rapid pinch-outs of relatively impermeable siltstone and claystone beds that form perched water tables.

Exploration and Development Program

The Rim project was begun in October of 1956, to determine if the Rim claim group merited a detailed exploration drilling program. Detailed mapping of the Wind River formation by the United States Geological Survey and Atomic Energy Commission in the last three years has demonstrated that many of the uranium deposits in the Gas Hills appear to be controlled by faulting which through development of impermeable gouge zones acted as traps permitting accumulation of uranium in favorable host rocks. Some preliminary work by D.H. Zeller of the U.S.G.S. suggests that the configuration of the pre-Wind River erosion surfaces may have some effect on the localization of uranium deposits. Preliminary structural maps on this surface indicate that the principle mineralized areas in the central Gas Hills district are underlain by lows in this erosion surface.

Photogeologic mapping, field checking and radiometric reconnaissance on the property was completed previously by Uranium Research & Development Co., and areas believed to be favorable for the occurance of uranium deposits were defined using the criteria for "favorable ground" developed by the U.S.G.S. and A.E.C. in this area.

The photogeologic interpretation shows the presence of many alignments, drainage, topographic, and vegetation that may be the result of faulting. This mapping also permitted the projection of pre-Wind River ridges and valleys beneath the Wind River formation on the Rim claims.

Radioactivity anomolies as high as 1 mr/hr on a Model 111B scintillator were detected at several localities on the claims. Abnormal concentration of uranium (270 ppb) in the water at Iron Springs reservoir on the west edge of the claim group had been reported by the U.S.G.S. Analyses of three selected samples by the U.S.G.S. from the central part of claim #59 showed .56, 6.2 and .30% uranium.

A brief drilling program in October, 1956, on the central part of claim #55 indicated mineralization in the unoxidized or "blue" zone ranging from eight to twelve feet in thickness and .025 to .115 chemical uranium.

In summary, the Rim claims were worthy of an extended exploration project because,

1. Geologic mapping show the occurence of many surface alignments that may be the result of faulting. Faulting appears to be an important ore control.
2. A series of pre-Wind River ridges and valleys could be projected beneath the Wind River formation on the property. The topographic lows on this erosion surface were possible ore controls.
3. Numerous surface radioactivity anomolies ranging from weak to very strong occur on the property.
4. Preliminary drilling in the unoxidized or "blue" zone indicated the presence of uranium mineralization near ore grade concentration and with appreciable thickness.

The exploratory drilling program was initiated March 28, 1957. On the basis of photogeologic mapping, surface radioactivity anomolies, and validation drilling, four areas were selected as favorable ground -----1) W½ of claim #55 and #35; 2) E½ of claim #27 and #28; 3) W½ of claim #32; and 4) claim #46.

A request for Defense Minerals Exploration Assistance was submitted in February, 1957, and the exploration program was approved in March. However, legal difficulties prevented the commencement of this program until February, 1958. Therefore, it was decided that the immediate exploration program without D.M.E.A. assistance should be confined to those areas previously determined to be "favorable ground."

Exploration without D.M.E.A. assistance was started on the No. 1 area (claims #55 and #35) in May of 1957, and 52,500 feet contained in 311 holes was drilled in the period May, 1957, to December, 1957. This program resulted in the discovery of 52,500 ton of .26% U_3O_8 average grade, having a gross value of

$1,174,250.00. These reserves are contained in four separate but nearly connected irregular shaped ore bodies ranging in size from 4,600 ton to 22,000 ton. The depth to the top of the ore ranges from eighty-four feet in the north ore body (Area 4), ninety feet in the west (Area I). 130 feet in Area 2, and 120 feet in the south ore body, (Area 3). The ore intervals range in thickness from a feather edge to a maximum of thirty feet and are distributed vertically as irregular lens shaped pods through a depth range of eighty-four to 170 feet. For purposes of tonnage and grade calculation, the cut-off point was two feet of .10% U_3O_8. The location of the drill holes, grade and thickness of mineralization and cross sections of these ore bodies is shown on Fig. 2.

Additional exploration was undertaken by Uredco Associates, Ltd., on January 20, 1958, in the attempt to develop additional ore reserves on Claim #55. This program resulted in the discovery of an additional 3,740 tons of indicated ore of .19% U_3O_8 as a northwest extension to our No. 1 ore body.

The D.M.E.A. drilling program initiated February 5, 1958, and terminated May 31, 1958, consisted of 37,159 feet contained in 200 drill holes. The Stage I program consisted of 126 drill holes (24,046 feet) on 500-foot centers that penetrated the entire upper Wind River formation and 76 Stage II drill holes as offsets to Stage I drill holes that showed significant mineralization in the unoxidized or "blue" zone. 21,703 feet were drilled on close-spaced centers for which no reimbursement will be received from the D.M.E.A.

The results of the D.M.E.A. program have delineated an area of favorable ground about 3,000 feet long and 900 feet wide. In addition, six new possible ore bodies have been discovered within this mineralized trend ranging in size from 3,000 to 25,000 tons contained in 7,500 tons of probable ore of .19% U_3O_8 and 38,800 tons of inferred ore of .26% U_3O_8. These reserves occur in a northeast-southwest trending belt of favorable ground that traverses claims #55,#35,#34, #28, and #27, and is characterized by abrupt changes in the elevation of the unoxidized zone and rapid pinchouts of claystone and siltstone lenses. The new discoveries under the D.M.E.A. program suggest a southward extension of at least 1,500 feet of the mineralized intervals of the known ore bodies on claim #55. In addition, a small ore body (5,575 tons of .19% U_3O_8 was discovered on the east part of claim #28, at depths ranging from forty to seventy feet. A relatively extensive halo of low grade material (.04% to .10% U_3O_8) surrounds this ore body sufficient to at least double the tonnage but reduce the grade to about .12% U_3O_8.

Another small ore body was discovered in the southwest part of claim #34 at depths ranging from eighty-five to 100 feet. At this time, 2,100 tons of .18% U_3O_8 are indicated but the mineralized interval is open to the southeast and northeast. The discovery of ore grade materials in these latter two areas confirmed our earlier "favorable ground" predictions.

The following table shows the reserve classifications and grade and gross value as of May 31, 1958.

	Tonnage	Grade	Thickness	Gross Value
Indicated	56,000	.26	6'	$1,215,200.00
Probable	7,675	.19	3.5'	108,524.00
Inferred	38,800 .26	(.38)*	2.5'	841,960.00
Potential	(154,000)	.20	4'	(2,464,000.00)
Initial Production Bonus				35,000.00
Totals:	102,475			$2,200,684.00

*Note: Although calculations of inferred tonnage indicates a .38% grade, this figure is too high and the average grade of the known ore bodies was used.

Note that the probable and inferred reserves discovered under the D.M.E.A. program show an average thickness of less than 4 feet which would probably preclude an economic mining operation particularly because the ore intervals are not consistent but occur sporadically over a vertical depth range of 40 to 245' and the bulk of these reserves are at depths from 180 to 245'. However, additional close-spaced drilling (50-foot centers) may develop smaller ore bodies of sufficient thickness and grade to warrant a mining operation.

An engineering report and proposed pit design for the proved ore bodies on claims #55 and #35 has been prepared by James Ternahan, Jr., consulting engineer. This report indicates that 55,000 tons of .24% U_3O_8 mining grade, having a gross value of $1,124,000 may be removed by open-pit mining methods for a cost of $509,000. This cost figure does not include royalty payments.

Assay Data

The thickness and grade figures shown on Fig. 1 are based upon Babbel counter probe readings stabilized every six inches through the mineralized intervals and averaged. The Babbel probe was calibrated by correlation with chemical assay results of air blown samples on the Aljob property to the east. Subsequent assays on air blown samples and core indicate that the equilibrium of the ore is favorable and shows excellent agreement between probe results and chemical assays. In some areas where sufficient data is available, the average chemical assays were 21% greater than radiometric assay or Babbel probe readings. (See table) All of the holes drilled under the D.M.E.A. program and other holes drilled since January, 1958, have been logged by Century Geophysical Corporation.

These logs show both gamma ray and resistivity curves. The assay results by areas are tabulated and where applicable, the probe results or Century Geophysical logs are included for comparison.

Note that on the overall assay program, the chemical results average about 20% higher than the probe readings which are the basis of the tonnage and grade calculation for the proved ore bodies. This difference insures an ample safety factor for grade control.

Ore Controls

It has been demonstrated previously that many of the uranium deposits in the Gas Hills appear to be controlled by faulting, lows on the pre-Wind River formation, and intra-formational stream channel deposits.

With these gross controls in mind, Stage I of the D.M.E.A. exploration program was designed to prove or disprove the surface alignments detected on aerial photographs as faults, to outline as well as possible the pre-Wind River erosion surface by 126 holes on 500-foot centers drilled into the old erosion surface, and to test for ore bodies in areas of strong surface anomolies.

We were particularly gratified that of the four areas originally outlined at the outset of this project, two contain commercial ore bodies that occur at opposite ends of the belt of "favorable ground." Drilling in the other two potential areas has not been encouraging; however, the limited nature of the drilling pattern does not disprove these areas completely.

A map was prepared showing the configuration of the pre-Wind River surface and the relationship of this surface to the known ore bodies and mineralized trend. A second map was prepared on the top of the unoxidized or "blue" zone to show the relationship of this surface to the mineralized trend.

Study of these maps shows:

1. The belt of favorable ground occurs over and parallel to an elongated topographic nose on the pre-Wind River surface. The strike of the nose is approximately at right angles to the strike of the pre-Wind River beds.
2. The presently known ore bodies and mineralized trends show no evident relationship to topographic lows on the pre-Wind River erosion surface.
3. In a general way, this mineralized trend lies over the east flank of a north plunging syncline in the pre-Wind River rocks and is parallel to the axis of this syncline. Note that the strike of the normal faults which offset the pre-Wind River beds is parallel to and roughly forms the western boundary of the mineralized trend.

4. Most of the sharp breaks in the elevation of the unoxidized zone occur within the mineralized trend. These breaks range in magnitude from ten to 100 feet and are contoured as faults but are probably caused by rapid pinchouts of relatively impermeable claystone and siltstone beds which form shallow perched water tables. The prevalent strike of these breaks is northeast----again parallel to the mineralized trend.

5. The mineralized trend bears no relationship to channel-type sandstone deposits.

6. In summary, the predominant trend is slightly east of north in the strike of the pre-Wind River beds, strike of the pre-Wind River syncline, strike of the predominant faulting, strike of the pinchout lines of finer-grained rocks, and finally, strike of the mineralized belt and the contained ore bodies. Further, the mineralized trend occurs in a belt of rocks that contains irregular lens shaped siltstone and claystone bodies that are relatively impermeable. The rapid changes in permeability and porosity conditions and lithologic character of the rocks may disrupt the chemical equilibrium of uranium bearing ground water solutions and cause precipitation of uranium minerals throughout this belt. This direction of trend appears to be common in the Gas Hills district and probably chiefly reflects facies changes within the Wind River formation compounded by prevailing direction of local ground water movement.

Recommendations

The results of the D.M.E.A. program have delineated an area of favorable ground about 3,000 feet long and 900 feet wide. In addition, six new possible ore bodies have been discovered within this mineralized trend ranging in size from 3,000 to 25,000 tons. It is recommended that all drill holes within this mineralized trend that show significant mineralization in the unoxidized zone should be offset on 50-foot centers to depths of approximately twenty-five feet below the lowest mineralized interval. The location and recommended depth of these holes is shown on Fig. 5. The total footage required for this program would approximate 25,000 feet at a unit cost of $.90 per foot. It is probable that further drilling will be required if this program is successful. It is further recommended that at least one core hole be drilled in each ore body delineated under the above program. Projecting six new ore bodies, this would require six core holes with an average of fifteen feet of core per hole or a total of ninety feet of core at a cost of $1,575.00 ($17.50/foot)

It is also recommended that additional drilling be done on claims #16, #17, and #18, which appear to fall outside of the mineralized trend but show significant mineralization in

the unoxidized zone. Fig. 6 shows an unoxidized "high" superimposed on a "low" in the pre-Wind River erosion surface. These favorable geologic conditions suggest that a limited wise-scale drilling program should be conducted in this area. It is estimated that the first phase of this program would consist of approximately 3,500 feet of drilling at a unit price of $.90 per foot. Additional close-spaced drilling will be required if the results of this first phase program warrant.

12. Geological Report

Following is a table showing extent and cost of recommended exploration program.

Hole Being Offset	No. of Offsets	Average Depth	Total Footage	Unit Cost	Total Cost
East part of claim #34	38	200'	7600	90¢/ft.	$6,840
North Central part claim #34	18	260'	4680	90¢/ft.	4,212
South Central claim #35	8	230'	1840	90¢/ft.	1,656
Central part claim #35	26	200'	5200	90¢/ ft.	4,680
North part claim #35	12	180'	2160	90¢/ft.	1,944
Northeast part claim #28	8	100'	800	90¢/ft.	720
East broder claim #35	5	200'	1000	90¢/ft.	900
SW corner claim #34	1	120'	120	90¢/ft.	108
Central-S-Central #34	4	260'	1040	90¢/ft.	936
East border claim #27	5	150'	750	90¢/ft.	675
Claim #19	6	160	960	90¢/ft.	864
Claim #18	6	180	1080	90¢/ft.	972
Claim #16 & #17	6	200	1200	90¢/ft.	1,080
Totals	143		28,430		$25,587
Coring	6	15	90	$17.50/ft.	1,575
Grand Total					27,162

Ralph L. Erickson

Dr. Ralph L. Erickson
Project Geologist
May 31, 1958

ASSAY DATA

Area One

Hole No.	Depth	eU_3O_8	U_3O_8
25	98-100	.05	.07
22	92-94		.08
	100-102		.10
	102-104		.60
	104-106		.30
	118-120		.14
	120-122		.12
	122-124		.07
24	84-86		.06
13	114-116	.02	.03
	116-118	.09	.08
	118-120	.17	.16
	120-122	.09	.09
	122-124	.06	.06
	124-126	.04	.04
28	104-106	.08	.0[illegible]
	106-108	.05	.05
	108-112	.04	.04
	112-116	.02	.04
29	122-124	.05	.09
	124-126	.05	.05
31	110-114	.05	.09
	114-118	.14	.11
	118-122	.20	.23

Are One (cont'd)

31	122-126	.35	.35
	126-128	.18	.23
	128-132	.17	.23
34	98-100	.19	.20
	106-110	.14	.09
Average			.134
		.106	.115

Note: Above analyses were made using the fluorimetric method. All samples were composed of water washed cuttings and therefore do not reflect true grade of the ore body but do indicate a favorable equilibrium conditon. (Chemical analyses average 8.5% higher than radiometric.)

Core Analyses

---*	.39	.38
---*	2.19	2.33
---*	.63	.67

Core Hole No. 3

Depth		Radiometric	Chemical	Probe
101½ - 102½		.02	.02	.75 factor
102½ - 103½		.03	.03	
103½ - 104½		.23	.22	
104½ - 105½		.66	.66	
105½ - 106½		.57	.64	
106½ - 107½		.43	.50	
107½ - 108½		.31	.36	
108½ - 109½		.29	.32	
109½ - 110½		.04	.04	
110½ - 111½		.05	.07	
111½ - 112½		.13	.14	
112½ - 113½		.29	.30	
12'	Ave.	.254	.275	.29
117 - 118			.46	
118 - 119			.19	
119 - 119½			.238	
2½'		Ave.	.296	

Note: No core recovery 113½-117
No core recovery 119½-122

Probe indicates 18½' of .35% grade ore

*Exact depth unknown because of poor core recovery

Northwest Extension Area I

Hole No.	Depth	Thickness	Radiometric Probing	ASSAY DATA Depth	eU_3O_8	U_3O_8
368	127-132	5'	.05	126-128	.06	.12
				128-130	.03	.07
337	117-118	1'	.06	116-118	.09	.13
	121½-123	1½'	.09	120-122-	.11	.13
				122-124	.07	.12
342	110½-112½	2'	.06	110-112	.10	.15
345	118-127½	9½'	.18	118-120	.26	.32
				120-122	.17	.14
				122-124	.12	.13
				124-126	.15	.16
				126-128	.30	.32
				128-130	.19	.24
				130-132	.07	.09
346	117½-120½	3'	.17	116-118	.19	.25
				118-120	.35	.45
349	116½-118½	2'	.09	116-118	.20	.23
351	96½-98½	2'	.06	96-98	.03	.06
	104-106	2'	.07	104-106	.08	.09
353	113½-115½	2'	.075	114-116	.06	.03
328	101½-103½	2'	.12	100-102	.14	.17
				102-104	.08	.09
329	111½-113½	2'	.17	112-114	.30	.32
335	110½-114½	4'	.30	112-114	.49	.45
				114-116	.10	.11
TOTALS			5.51		7.48	8.74
Average		37'	.15	48	.156	.182

Explanation:

These assay results indicate that the equilibrium of the ore is favorable and for these samples, the average chemical assays (.18% U_3O_8) are 20% greater than the radiometric assay (.151). Note that these average grades do not represent the grade of the ore deposits, but are compiled from all assays including low grade material in order to better establish the equilibrium relationships. In effect, these results indicate that the grade and tonage figures may be conservative.

Two other important factors are also shown by this table. The total assayed thickness (48 feet) shows a greater thickness of mineralization than is indicated by the probe readings (37 feet). This may be in part due to upgrading of the air blown samples by contamination, particularly where assay results indicate excessive thickness of mineralization below high grade zones. However, a part of this greater thickness must be attributed to an actual greater ore thickness than is indicated by the probe because the average grades by probe and assay are very similar---a condition that could not be maintained by contamination of "dead" samples.

Also worthy of note is the close relationship of the probe readings to the radiometric and chemical assays. The tonage and grade figures are based upon the probe readings. Thus is appears that the average grade of the ore is actually about 20% greater than the reserve map indicates. Also note that if only 37 feet of chemical assays were compared with the 37 feet of probed thickness, the average chemical assay would be much greater than indicated by probe readings.

Area III

Hole No.	Depth	eU_3O_8	U_3O_8	Radiometric Probing Century Geophysical	Radiometric Probing Babbel
C-2	117-120	No core			
	120-121		.85		
	121-122		.93		
	122-124	No core			
		Average	(117-124)	.65	.446
	127-127½		.32		
	127½-128		.08		
	128-128½	.06	.05		
	128½-129	.25	.35		
	129-129½	.01	.02		
	129½-130	.15	.19		
	130-130½	.70	1.02		
	130½-131	.50	.66		
	131-131½	.75	.84		
	131½-132	.40	.46		
	132-132½	.40	.60		
	Average	.36	.42	.22	.19
	147-150	No core recovered			
	150-150½	1.20	1.40		
	150½-151	3.20	4.47		
	151-151½	2.00	2.26		
	151½-152	1.50	1.24		
	152-152½	2.00	2.20		
	152½-153	.16	.187		
	153-153½	2.20	2.06		
	153½-154	1.20	1.32		
	154-154½	1.00	.92		
	154½-155	.50	.62		
	155-155½	.83	.82		
	155½-156	.26	.265		
	156-156½	.15	.13		
	156½-157	.09	.11		
	157-157½	.12	.14		
	157½-158	.05	.05		
	Average	1.03	1.14	---(150-158)	.888
	158-166	No core recovered			
	Average				
	147-159	(19')		1.10	.55

Note: Chemical assays are higher than probe readings by factors ranging from 30% to 100%. Difference of such great magnitude are probably caused by the unusually high grade of the core.

Area 4

Core Analysis

Core Hole #1

Depth	Brown Laboratories eU_3O_8	Brown Laboratories U_3O_8	Radiometric Probing Babbel Counter
85-86	.04	.05	
86-87	.59	.56	
87-88	.67	.66	
88-89	.79	.80	
89-90	.83	.78	
90-91	.04	.04	
91-92	.02	.02	
92-93½	.08	.07	
Average	.38	37% U_3O_8	.35% eU_3O_8
100-101	.36	.39	
101-102	.28	.34	
102½-103½	.41	.44	
103½-104½	.36	.40	
104½-105½	.39	.41	
Average	.36	39% U_3O_8	.38% eU_3O_8

Analyses of Air-blown Samples

320 82-84	.10	.12	
84-86	.38	.56	
86-88	.32	.40	4½' of .29
88-90	.08	.15	
90-92	.11	.16	
Ave. for upper 6'	.266	.36	(lower 4' may be contaminated)

D.M.E.A. Program

		eU_3O_8	U_3O_8	Century Geophysical Logs:	
D-16	88-90	.04	.02		
	90-92	.10	.12		
	92-94	.02	.03		.02
	94-96	.02	.05		
	96-98	.12	.13		
	98-100	.07	.07		
28-3	72-74	-	.08		
	74-76	-	.15		
	76-78	-	.22		
	78-80	-	.08		
	80-82	-	.07	70-78	.42
28-4	70-72	-	.04	67-70	.036
28-7	46-48	-	.23	42-44	.12
28-8	78-80	-	.11	73-77	.12
	80-82	-	.03		
28-11	62-64	-	.06	58-62	.23
	64-66	-	.04		
28-14	66-68	-	.08	64½-66½	.07
	42-44	-	.12	38½-44	.22
	44-46	-	.106		
28-27	54-56	-	.21	53-57	.20
	56-58	-	.04		
28-28	56-58	-	.04	55-56½	.05
M-89	32-34	.25	.32	30-35	.23
	34-36	.27	.34		
	44-46	.30	.29	46-47	.115
16-6	90-92	.15	.23	85-90	.065
	92-94	.12	.14		
16-9	90-92	.06	.06	90-93	.26
	92-94	.37	.48		
	94-96	.11	.09		
	96-98	.06	.08		
	98-100	.05	.08		
	100-102	.05	.04		
2-100	46-48	.05	.08	99-101	.10
	102-104	.08	.08	104-107	.19
	104-106	.03	.03		
	106-108	.08	.06		
	108-110	.05	.08		
	78'		4.62	65'	10.70
			.12		.16

Note: All analyses made on air-blown samples. Erratic nature of relationship between chemical analyses and logging results probably due to difference in drilling conditions and operator techniques in recovery of drill cuttings. No special attempt was made to obtain accurate samples in these holes because they represent new discoveries.

MChing/izm 7-14-58

TERMINATION AGREEMENT

DRAFT

It is agreed this _____ day of _____, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Uranium Research and Development Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E 1166, Docket No. DMEA-4644, dated Jan. 27, 1958, as amended, hereinafter called the "Contract," that:

1. Effective June 1, 1958, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the agreed actual and fixed unit costs of the work performed prior to June 1, 1958.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All rights of the Government respecting certification of discovery or development, percentage royalty and liens to secure the payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment, are hereby preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims and demands under or arising out of said Contract, except as otherwise provided in this Termination Agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

Uranium Research and Development Company

By _____

Title _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

July 8, 1958

DMEA
RECEIVED JUL 11 1958

DATE	INITIALS	CODE
7/11	C	220
		130
"	MC	700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166
Uranium Research and Development Company (Rim claims)
Fremont County, Wyoming

Enclosed are the original and two copies of a joint memorandum dated July 3, 1958, by W. N. Sharp, Geologist, Geological Survey, and E. O. Binyon, Mining Engineer, Bureau of Mines, which is in reference to the Operator's letter of June 17, 1958, requesting termination of the contract.

Two copies of the Operator's request were forwarded to you by copies of the memorandum from this office, dated July 2, 1958, to the field examiners requesting their recommendation in the matter.

The field examiners recommend that the contract be terminated in its present status and that a certification of discovery or development be issued, in which this office concurs. Termination of the contract in its present status will leave approximately 30 holes and 13,000 feet of drilling not performed.

It is further recommended that a suitable termination agreement be prepared, which should be made effective June 1, 1958.

J. W. Townsend

J. W. Townsend

Encls.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
DEPARTMENT OF THE INTERIOR
JUL 7 - 1958
REGION III
DENVER, COLORADO

RECEIVED JUL 11 1958

DATE	INITIALS	CODE

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
July 3, 1958

W.O.

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Region III

From: W. N. Sharp, geologist, U. S. Geological Survey, and
E. O. Binyon, mining engineer, U. S. Bureau of Mines

Subject: Docket DMEA 4644 (Uranium) Contract Idm-E1166,
Uranium Research and Development Company (Rim claims)
Fremont County, Wyoming

This is in reply to your memorandum of July 2, 1958, concerning recommendations as to termination of the subject contract as requested in a letter from the operator dated June 17, 1958, and also as to a Certification of a Discovery or Development on the property.

With the completion of Stage II drilling on May 31, 1958, all drilling approved by the Government was completed. Under Stage I, 129 holes with an allowed total aggregate footage of 24,046 feet were drilled and 13,113 feet were drilled in 74 Stage II offset holes. The drilling and incidental dozer work were done in conformance with the terms of the contract. Further drilling on the property would not be to the advantage of the Government and it is recommended that the contract be terminated as requested by the operator.

The drilling under the contract as well as company drilling on claims subordinated by the contract resulted in the discovery of significant and minable deposits on the property and it is recommended that a Certification of a Discovery or Development be issued.

W. N. Sharp
W. N. Sharp, geologist,
U. S. Geological Survey

E O Binyon
E. O. Binyon, mining engineer,
U. S. Bureau of Mines

EOB/mw
cc: 9
Idm-E1166
chron

OFFICIAL FILE COPY
DMEA
RECEIVED 7 1958

DATE	INIT.	CODE
7/7	C	220
7/7		800
7/8		700

224 New Customhouse
Denver 2, Colorado

July 2, 1958

Memorandum

To: Harriman - with enclosure
DMEA/DFC (Bingert) - " "

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 644 (Uranium), Contract No. IAm-E1166
Uranium Research and Development Company
(Min group) Fremont County, Wyoming

Enclosed is photo copy of a letter from the subject Operator, dated June 17, 1958, wherein the Operator requests approval for termination of the contract in its present status without requiring performance of additional work provided for.

Please submit to this office a joint memorandum containing your recommendations relative to termination of the contract and also relative to certification as a discovery or development.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Encl.

JWT:bk

cc: Chron. Cy. Comm.(2)) w/copy Operator's
Corres. File, Reg. III) letter of 6/17/58

Cooper
Chron.

URANIUM RESEARCH AND DEVELOPMENT CO.
209 Denham Building
Denver, Colorado

June 17, 1958

DMEA
DEPARTMENT OF THE INTERIOR
JUN 18 1958
REGION III
DENVER, COLORADO

Executive Officer
Defense Minerals Exploration
224 New Customhouse
Denver 2, Colorado

Dear Sir:

Re: Docket No. DMEA 4644
(Uranium)
Contract Idm-E1166
Uranium Research & Development Company
(Rim group)
Fremont County, Wyoming

We hereby request approval to terminate the above captioned contract. The last day of work on this program was May 31, 1958.

Sincerely yours,

Ralph L. Erickson

URANIUM RESEARCH AND DEVLOPMENT COMPANY
BY: Ralph L. Erickson,
Vice President

RLE:ic

DMEA

6/30	C	220
6/30		800
7/1		700

224 New Customhouse
Denver 2, Colorado
June 27, 1958

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4044 (Uranium)
Contract Lbm-E1166
Uranium Research and Development Company
(Rim group)
Fremont County, Wyoming

Dear Mr. Harris:

Form MF-104, Operator's Monthly Report and Voucher, for May 1958, is being processed for payment.

An amount of $500.00 is being withheld from reimbursement to Uranium Research and Development Company, pending resolution of matters prerequisite to closing the account, which include:

1. Execution by the parties to the contract of a suitable agreement to terminate the project in its present status without requiring performance of the balance of work provided for.

2. Rendering to the Government a Final report in accordance with Article 5(a) of the contract form.

3. Release to this office of a Certificate of Audit and Audit Report or Report of Review of the reported project costs by the Contract Administration and Audit Division, DMEA.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

MHM:hmh

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DPC
Cooper
Corres.file, Reg. III
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
June 9, 1958

RECEIVED JUN 12 1958
6/12 C 220
" Kramer 900
(Chief)

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research and Development Company (Rim Group of claims), Fremont County, Wyoming

Enclosed are three copies of confirmation of project work approval issued by the DMEA Field Team, Region III.

Also enclosed are three copies of a joint memorandum, dated June 2, 1958, from W. N. Sharp, Geologist, Geological Survey, and E. O. Binyon, Mining Engineer, Bureau of Mines, pertaining to the work approval.

Copies of the confirmation of work approval have been distributed to the Operator, the Finance Office, and others concerned in Region III.

J. W. Townsend

J. W. Townsend

Enclosures

RECEIVED JUN 12 1958

224 New Customhouse
Denver 2, Colorado
June 9, 1958

Mr. Ralph L. Erickson, Chief Geologist
Wyoming Research and Development Company
[illegible] Building
Denver 2, Colorado

Re: Docket No. [illegible] (Wyoming)
Contract No. [illegible]
Wyoming Research and Development Company
([illegible] Group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

In reference to your letter of May 23, 1958, this confirms verbal approval by the Government, issued May [illegible], 1958, for you to drill the following eight offset holes under the provisions of Page IX of the contract:

Reference No. of Hole to be Offset	Reference No. of Approved Offset Hole	Location of Approved Offset Hole	Horizontal Length
D-100 D-101	D-104	185' W of D-100	[illegible]
D-101 D-95	D-106	185' W of D-95	300'
D-92 D-93	D-107	185' N of D-93	160'
D-93 D-89	D-109	185' W of D-89	[illegible]
D-89 D-85	D-111	185' N of D-85	230'
D-86 D-82	D-112	185' N of D-82	[illegible]
D-84 D-87	D-108	185' N of D-87	[illegible]
D-70 D-67	D-110	185' W of D-67	[illegible]

The locations of the above approved effort holes are indicated by the symbol of an + on the map entitled, "Exploration Map, Rim Drag Claims, Brandon Research and Development Company, Fremont County, Wyoming," which is attached hereto and made a part of this confirmation of work approval.

Nothing in this confirmation of work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Very truly yours,

RMMA Field Team, Region III

By J. W. Townsend
J. W. Townsend

By E. M. Hagerman
E. M. Hagerman

Enclosure (map)

JWT:pri

cc: Chem. Op. Comm. (3)
Finance Office, Reg. III
Assessment file, Reg. III
Hartman
RMMA/WVC (Blayon)
Corres. file
Townsend
Chron.

224 New Customhouse
Denver 2, Colorado

May 26, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED MAY 28 1958
CODE
220
800
700

Memorandum

To: E. N. Harshman
DMEA/DFC - Binyon } w/enclosures

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4644 (Uranium) Contract Idm-E1166, Uranium Research and Development Co. (Rim Group of claims) Fremont County, Wyoming

Enclosed is a copy of a letter from the subject Operator, dated May 23, 1958, with attached map, which constitutes a request for the Government's approval for ten additional holes under Stage II of the contract, with an estimated footage of 2210 feet.

Please submit a joint memorandum report containing your recommendations in the matter.

Original signed by
J. W. TOWNSEND

for E. N. Harshman

Enclosures

JDC:jy

cc: Chm. Op. Comm. - 2
Corres. File E1166 } w/copy of enclosures
Townsend
Chron.

Uranium Reserves and Development Co.
200 Denver Bldg.
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
MAY 26 1958
REGION III
DENVER, COLORADO

May 23, 1958

Colorado Minerals Exploration Administration
200 Bet Centennial
Denver 2, Colorado

Attn: E. E. King

Re: Project No. [illegible]
Contract No. [illegible]
Lease
Ute Creek Claim
Fremont County, Wyoming

OFFICIAL FILE COPY
DMEA
REGIONAL OFFICE
MAY 28 1958

DATE	INITIALS	CODE

Gentlemen:

Request is hereby made for approval of a partial Stage II exploration program under the above captioned contract, on the basis of results achieved in the Stage I and Stage II drilling program to date. Previous requests for Stage II work were submitted March 31, April 8, and May 1, 1958, and approval for 65 Stage II drill holes has been granted. The Stage II work given in Exhibit A of the above captioned contract calls for "not more than 200 holes aggregating not more than 30,000 feet on effects to previously drilled holes showing favorable mineralization." The work for which we request approval consists of 10 drill holes ranging in depth from 100 to 300 feet and totaling 2,010 feet. These holes are 100-foot offsets of Stage II holes that show favorable mineralization in the mineralized zone. The location of the additional proposed Stage II drill holes and the completed drilling program are shown on the attached plotted map. This map also delineates favorable ground and shows the relationship of the previously discovered ore bodies to this favorable front. The hole numbers and depth and grade of mineralization in the holes being offset, location of proposed holes, and recommended drilling depth are shown in the attached table. The recommended depths are approximately 25 feet below the lowest mineralized zone encountered in the drill holes being offset. Topographic configuration requires that some offsets be drilled deeper than appearently necessary in order to penetrate the mineralized zones.

We anticipate that approval of this request will complete our Stage II exploration program. We further anticipate also-spaced drilling without D.M.E.A. assistance in the favorable area outlined in the D.M.E.A. program.

Sincerely yours,

Ralph L. Erickson

Ralph L. Erickson
Chief Geologist
Uranium Reserves & Development Co.

RLE:cmc
Encl.

Hole to be offset	Mineralization Interval-Grade	Location of Proposed Holes	Proposed Depth
S-100	32-49 .09%CuO_3 91-107 .10%CuO_3	125' S. of S-100 (S-102) 100' E. of S-100 (S-101)	300' 200'
	(Depth recommended because hole S-99 is mineralized at a depth of 177' and hole S-101 is mineralized at a depth of 205')		
S-98	60-63 .07%CuO_3 157-160 .14%CuO_3 180-185 .03%CuO_3	125' E. of S-98 (S-105) 125' W. of S-98 (S-103)	200' 200'
S-96	004-101½ .16%CuO_3 113-118 .05%CuO_3 220-228 .04%CuO_3 238-243 1.10%CuO_3	150' E. of S-96 (S-107) 100' W. of S-96 (S-101)	240' 220'
S-97	104-109 .10%CuO_3	125' E. of S-97 (S-108) 125' W. of S-97 (S-120)	300' 300'
S-98	403-405 .20%CuO_3	125' W. of S-98 (S-111)	300'
S-99	32-35 .25%CuO_3 45-47 .11%CuO_3 242-244 .03%CuO_3	125' E. of S-99 (S-112)	200
	20 holes	10 holes	5,210 feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
May 16, 1958

DMEA
19 1958
INSTRUM CODE
5/19 C 220
" MC 700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research & Development Co. (Rim Group of claims), Fremont County, Wyoming

Enclosed are three copies of project work approval issued by the DMEA Field Team, Region III, pertaining to offset holes to be drilled under the provisions of Stage II of the contract.

Also enclosed are three copies of a joint memorandum, dated May 15, 1958, from E. O. Binyon, Mining Engineer, Bureau of Mines, and D. H. Richter, Geologist, Geological Survey, pertaining to the drilling.

Copies of the work approval have been distributed to the Operator, the Finance Office, and others concerned in Region III.

E. N. Harshman

E. N. Harshman

Enclosures

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 19 1958
CODE

[illegible] Bar Continental
Denver 2, Colorado
May 16, 1958

Mr. Ralph L. Hutchison, Chief Geologist
Uranium Research & Development Co.
[illegible] Building
Denver, Colorado

Re: Permit No. [illegible] (Uranium)
Contract No. [illegible]
Uranium Research & Development Co.
(Nix Group of Claims)
Fremont County, Wyoming

Dear Mr. Hutchison:

In reference to your related letter, received in this office May 9, 1958, requesting the Government's approval for twenty-one additional holes; and, consistent with provisions in the contract pertaining thereto, this constitutes the Government's approval for the drilling of eighteen (18) holes under the provisions of Stage II of the contract as follows:

Reference No. of Previously Drilled Hole to be Offset	Direction and Distance to Approved Offset Hole	Approximate Depth of Approved Offset Hole
7	125' E.	150 ft.
	125' W.	210 ft.
11	125' N.	170 ft.
	125' E.	250 ft.
	125' S.	250 ft.
	125' W.	250 ft.
12	125' S.	210 ft.
	125' W.	170 ft.
16	125' N.	170 ft.
	125' E.	150 ft.
	125' W.	140 ft.
28	125' N.	100 ft.
	125' S.	100 ft.
	125' W.	100 ft.

Reference No. of Approved Drill Hole to be Offset	Direction and Distance to Approved Offset Hole	Approximate Depth of Approved Offset Hole
S-61	125' N.	[illegible] ft.
	125' E.	[illegible] ft.
	125' S.	[illegible] ft.
	125' W.	[illegible] ft.

The locations for the above approved offset holes are indicated by the symbol of an + on the map entitled, "Exploration Map, Big Horn Basin, Western Research and Development Company, Fremont County, Wyoming," dated April 1958 and May 1958, which is attached hereto and made a part of this work approval.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is separately designated "maximum."

Very truly yours,

Bureau Field Team, Region III

By E. M. Hirschman
E. M. Hirschman

By J. W. Fornwald
J. W. Fornwald
Acting Engineer

Enclosure (Map)

JWFrgrl

cc: Chem. Op. Comm. (3)
Finance Office, Reg. III
Accountant File, Reg. III
Hirschman
DMEA/BFC (Hingson)
Corres. File
Tecumseh
Chrgn.

IN REPLY REFER TO:

DMEA
DEPARTMENT OF THE INTERIOR
MAY 16 1958
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

W.O.

May 15, 1958

DMEA
RECEIVED MAY 19 1958

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: E. O. Binyon
D. H. Richter

Subject: Docket DMEA 4644 (Uranium), Contract Idm-E 1166, Uranium Research and Development Company (Rim group of claims), Fremont County, Wyoming

In an undated letter, received May 9, 1958, the operator requests an additional 21 holes to be drilled as offsets under the provisions of Stage II. These 21 holes are designed to offset, on 125-foot centers, 5 Stage I holes and 1 Stage II hole which encountered significant mineralization in the operator's "area of favorable ground" south of the known ore deposits (see accompanying map).

At the present time 126 Stage I holes and 48 Stage II holes as 250-foot offsets have been drilled. Although data is not available on all the Stage II drilling, the operator has verbally indicated that mineralization encountered in the western area proved discouraging and that all future work will be restricted to the mineralized area south of the ore deposits found in the northeast part of the claim group.

The 15 Stage II holes in the "favorable area," which offset Stage I ore holes 11, 12, 16, and 28, failed to show continuity of ore-grade mineralization 250 feet away from the ore holes. This does not preclude, however, that ore deposits of the size found in claim 55 do not underlie some of these areas. Consequently, it is recommended that 18, of the holes requested by the operator, be approved to offset on 125-foot centers the most significantly mineralized holes found to date in the "favorable area." The three holes deleted--2-28, 125 feet north of 12; 2-84, 125 feet east of 12; 2-80, 125 feet north of 7--are closer than 100 feet to previously drilled company holes and until the operator substantiates his claim that the company holes were not drilled to a sufficient depth, they cannot be recommended.

The location and depth of the additional recommended Stage II holes are shown on the accompanying table.

On May 15, 1958, the operator was informed of the Government's approval of the drilling recommended above.

E. O. Binyon, Mining Engineer

D. H. Richter, Geologist

DHRichter:arh

Stage I or II hole to be offset	Recommended offset holes	Approximate depth (feet)	Location (distance and bearing from hole to be offset)	Mineralization in Stage I & II holes interval (feet)	% eU_3O_8
7	2-97 *	150	125' E	113-115	0.07 (Chem.)
	2-82	210	125' W		
11	2-86	230	125' N	211-214	0.05
	2-83	260	125' E	228-231	0.10
	2-85	260	125' S	236-240	0.05
	2-89	260	125' W		
12	2-87	210	125' S	122-126	0.09
	2-90	170	125' W	133-136	0.21
16	2-92	170	125' N	88-100	0.07 (Chem.)
	2-91	180	125' E	(90-92)	0.12 (Chem.)
	2-93	160	125' W	(96-100)	0.10 (Chem.)
				144-146	0.02
28	2-95	100	125' N	65-69	0.20
	2-94	100	125' S		
	2-96	100	125' W		
2-61	2-98 *	200	125' N	164-167	0.08
	2-99 *	210	125' E	181-184	0.03
	2-100 *	210	125' S		
	2-101 *	210	125' W		
Totals	18	3,390			

* Due to duplication of Stage II hole numbers used by the operator, these hole numbers were added (and differ from those given by the operator) to avoid confusion.

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DMEA
RECEIVED MAY 12 1958

DATE	INITIALS	CODE
5/12	C	226
5/12	[illegible]	800
5/13	[illegible]	700

224 New Customhouse
Denver 2, Colorado
May 9, 1958

Memorandum

To: E. N. Harshman - w/enclosure
DMEA/EPC (Binyon) - " "

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4646 (Uranium), Contract No. Dm-W1166, Uranium Research and Development Company (Rim group of claims), Fremont County, Wyoming

Enclosed is a copy of the Operator's undated letter, with attached map, received in this office today, which constitutes a request for the Government's approval for 21 additional holes under Stage II of the contract.

Please submit a joint memorandum report containing your recommendations in the matter.

Original signed by
E. N. HARSHMAN

E. N. Harshman

JWT:pcl

cc: Comm.Op.Comm.-2 } w/copy of
Corres. File } enclosure.
Townsend
Sharon.

WO

[illegible] RESEARCH AND DEVELOPMENT CO.
200 [illegible] Bldg.
Denver 2, Colo.

DMEA
DEPARTMENT OF THE INTERIOR
MAY 9 1958
REGION III
DENVER, COLORADO

Defense Minerals Exploration Administration
324 New Customhouse
Denver 2, Colorado

Attn: C. H. King

Re: Docket No. DMEA 6064 (Uranium)
Contract No. Ex-11166
Uranium Research & Development
Bin Group claims
Fremont County, Wyoming

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 12 1958

DATE	INITIALS	CODE

Gentlemen:

Request is hereby made for approval of a partial Stage XI exploration program under the above captioned contract, on the basis of results achieved in the Stage I and Stage II drilling program. Previous requests for Stage II work were submitted March 21, 1958, and April 8, 1958 and approval for 45 Stage II drill holes has been granted. The Stage II work shown in Exhibit A of the above captioned contract calls for "not more than 45 holes aggregating not more than 23,000 feet as offsets to previously drilled holes showing favorable mineralization." The work for which we request approval consists of 21 drill holes ranging in depth from 100 feet to 270 feet and totaling 3,929 feet. These holes are 125-foot offsets of Stage I and Stage II holes that show favorable mineralization in the mineralized zones. The location of the additional proposed Stage XI drill holes and the completed drilling program are shown on the attached claim map. This map also delineates favorable ground and shows the relationship of the previously discovered ore bodies to this favorable trend. Although the 250-foot offsets to Stage I ore holes did not penetrate ore grade material, it is worthy of note that holes 9 and 13 were not significantly mineralized and 250-foot offsets of 9 and 13 would also have missed the known ore bodies. Thus we believe that the Stage II drill holes proposed in this request have an excellent chance of discovering additional ore bodies along the favorable trend.

Note that pre-DMEA holes 285, 289, 300, 335, 336, 512, 514, 519, and 523 (see attached map) were not drilled sufficiently deep to test the mineralized zones encountered in the DMEA program.

The holes numbers and depth and grade of mineralization in the holes being offset, location of proposed holes, and recommended drilling depth are shown in the attached table. The recommended depths are approximately 25 feet below the lowest mineralized zone encountered in the drill holes being offset. Topographic configuration requires that some offsets be drilled deeper than apparently necessary in order to penetrate the mineralized zones.

Sincerely,

Ralph L. Erickson

Ralph L. Erickson
Chief Geologist
Uranium Research & Development Co.

RLE:rcs
Encl.

Hole to be Offset	Mineralization Interval-Grade	Location of Proposed Holes	Proposed Depth
M-81	164-167 .08% Cu_2O	125' N. of M-81 (76)	210
	181-184 .08% "	135' S. of M-81 (70)	210
		125' E. of M-81 (81)	210
		125' W. of M-81 (76)	200
7	113-115 .07% "	125' N. of 7 (77)	150
		125' W. of 7 (80)	200
		125' W. of 7 (82)	210
11	211-214 .0% "	125' N. of 11 (83)	230
	228-231-.10% "	125' S. of 11 (88)	230
	238-240 .05% "	125' E. of 11 (86)	230
		125' W. of 11 (80)	230
12	101%-130 .[illegible]% "	125' N. of 12 (84)	170
	128-130 .21% "	125' S. of 12 (87)	200
		125' E. of 12 (83)	170
		125' W. of 12 (80)	170
16	98-100 .07% " (chemical)	125' N. of 16 (81)	150
	146-148 .08% "	125' S. of 16 (82)	170
		125' W. of 16 (83)	150
20	88-89 .20% "	125' S. of 20 (84)	100
		125' N. of 20 (85)	100
		125' W. of 20 (88)	100
Totals		21 holes	3,980 feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

April 16, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED APR 21 1958

DATE	INITIALS	CODE
4/21	C	220
"	Ching	700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4646 (Uranium), Contract No. Idm-E1166 Uranium Research and Development Company (Rim group of claims) Fremont County, Wyoming

Enclosed are three copies of work approval issued by the DMEA Field Team, Region III, pertaining to the drilling of 15 additional holes under Stage II of the contract. Also enclosed are three copies of a joint memorandum dated April 16, 1958, from E. O. Binyon, Mining Engineer, Bureau of Mines, and D. H. Richter, Geologist, Geological Survey, pertaining to the drilling.

Copies of the work approval have been distributed to the Operator, Finance Office, and to others concerned in Region III.

E. N. Harshman

E. N. Harshman

Encls.

RECEIVED

224 New Customhouse
Denver 2, Colorado

April 16, 1958

Mr. Ralph L. Erickson, Chief Geologist
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4646 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development
Company (Rim group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

In reference to your request dated April 8, 1958, this constitutes approval by the Government for you to drill the following listed 15 holes under the provisions of Stage II of the contract:

STAGE I HOLES TO BE OFFSET	INTERVAL OF MINERALIZATION IN STAGE I HOLES (Feet)	LOCATION OF APPROVED STAGE II OFFSET HOLES	MAXIMUM DEPTH (Feet)
7	110-123	250' N of 7	200'
		250' S of 7	150'
		250' E of 7	150'
11	211-214	250' N of 11	210'
	228-231	250' E of 11	260'
	236-240	250' S of 11	260'
		250' W of 11	260'
12	121.5-140	250' E of 12	190'
		250' W of 12	160'
16	85-92	250' N of 16	170'
	97-100	250' E of 16	180'
	144-146	250' W of 16	160'
88	76-81	250' N of 88	110'
		250' S of 88	80'
		250' W of 88	100'
	TOTALS	15 Holes	2,640'

The above listed offset holes are to be drilled to a depth of approximately 25 feet below the lower mineralized zone encountered in the Stage I hole being offset, but not to exceed the maximum depth established above for each offset hole.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Very truly yours,

DMEA Field Team, Region III

By E. N. Harshman
E. N. Harshman

By J. W. Townsend
J. W. Townsend,
Acting Member

JWT:bh
cc: Chairman, Op. Comm. (3)
Finance Office, Region III
Amendment File, Region III
Harshman
DMEA/DFC (Binyon)
Corres. File E-1166
Townsend
Chron.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
APR 16 1958
REGION III
DENVER, COLORADO

W.O.

April 16, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED APR 21 195
DATE | INITIALS

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: E. O. Binyon
D. N. Richter

Subject: Docket DMEA 4644 (Uranium), Contract Idm-E 1166, Uranium Research and Development Company (Rim group of claims), Fremont County, Wyoming

On April 8, 1958, the operator submitted a partial analysis of the completed Stage I drilling program and requested approval for the drilling of 25 additional holes, totaling 4,670 feet, under Stage II. Previously on March 21, 1958, the operator submitted his first request for Stage II drilling--56 holes totaling 10,290 feet--upon partial completion of the Stage I work. On March 31, 1958, 33 of the 56 holes requested, were approved.

Of the 126 Stage I holes drilled under the contract, 14 encountered material which exhibited radioactivity equivalent to more than 0.03 percent U_3O_8 (see attached map). Five of these holes intersected one foot or more of material containing more than 0.10 percent eU_3O_8. The most favorable and encouraging results of the Stage I exploration, are from holes 11, 12, 16, and 28 drilled on claims 28, 34, and 35. These holes, which all intersected ore-grade material,

appear to indicate a southwest continuity of the three 50,000 ton (total) ore bodies, discovered by the operator prior to DMEA exploration under the east half of claim 55.

Again, as in our earlier recommendations, we are deleting any Stage II offset drilling around holes containing less than 0.03 percent eU_3O_8. Other holes proposed by the operator and not recommended in this memorandum are those which are offsets to offset holes not yet drilled and the two 500-foot east offsets to Stage I holes 14 and 15. Although holes nos. 14 and 15 contain as much as 0.07 percent eU_3O_8 in the oxidized zone, the principal purpose of the two 500-foot offset holes is to continue the Stage I 500-foot grid. Moreover, inasmuch as the operator has never requested any offset drilling around holes containing oxidized material, these 500-foot offsets cannot be justified under Stage II and are not approved.

The location and depth of the recommended 15 additional Stage II holes, together with pertinent data on the Stage I holes to be offset are shown on the accompanying table. The recommended depth for the holes is approximately 25 feet below the lowest mineralized zone encountered in the Stage I hole being offset. However, due to topography, which has been taken into account, some of the offset holes may appear to be deeper (or shallower) than apparently necessary to explore the mineralized zones.

for H. M. Grove
E. O. Binyon, Mining Engineer

for E. M. Hawkman
D. H. Richter, Geologist

DHRichter:mp

Stage I hole to be offset *	Recommended offset holes	Recommended approx. depth (ft.)	Location (distance & bearing from hole to be offset)	Mineralization in Stage I holes Interval (ft.)	% U_3O_8
	2-62	200	250' N		
7	2-58	150	250' E	110-123	0.02
	2-61	150	250' S	(113-115)	0.07 (Chem)
	2-68	210	250' N	211-214	0.03
11	2-64	260	250' E	228-231	0.10
	2-67	260	250' S	236-240	0.03
	2-71	260	250' W		
				121½-126	0.085
12	2-66	190	250' E	126-133	0.01
	2-73	160	250' W	133-136	0.21
				136-140	0.015
16	2-74	170	250' N	85-91	0.02
	2-69	180	250' E	(90-92)	0.12 (Chem)
				97-98	0.015
	2-75	160	250' W	(96-100)	0.10 (Chem)
				144-146	0.02
88	2-81	110	250' N	76-81	0.03
	2-79	80	250' S		w/1 ft. of 0.10
	2-80	100	250' W		
Totals	15	2,640			

* The prefix "D" used by the operator to designate Stage I holes in his first request for Stage II work, was not used in his latest request. We are also dropping the "D", but using the prefix "2" to designate Stage II holes.

DMEA
RECEIVED APR 14 1958
DATE | INITIALS | CODE

224 New Customhouse
Denver 2, Colorado
April 9, 1958

Memorandum

To: E. N. Harshman - w/enclosure
DMEA/DFC (Binyon) - " "

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research & Development Co. (Rim Group claims), Fremont County, Wyoming

Enclosed is a copy of the Operator's letter of April 8, 1958, which gives the results of the drilling under Stage I and constitutes a request for the Government's approval of drilling under Stage II.

Please submit a joint memorandum report containing your recommendations in the matter.

Original signed by
E. N. HARSHMAN
E. N. Harshman

JWT:prl

cc: Chmn. Op. Comm.-2) w/copy of
Corres. file) enclosure
Townsend
Chron.

URANIUM RESEARCH AND DEVELOPMENT COMPANY

209 Denham Building
Denver, Colorado

April 3, 1958

DMEA
DEPARTMENT OF THE INTERIOR
APR 9 - 1958
REGION - III
DENVER, COLORADO

United States Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver,2, Colorado

RECEIVED APR 14 1958
INITIALS | CODE

Attention: W.H. King

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Idm-51168
Uranium Research & Development Co.
(Kim Group Claims)
Freemont County, Wyoming

Gentlemen:

Request is hereby made for approval of a partial Stage II exploration program under the above captioned contract on the basis of results achieved in the completion of the Stage I program during the month of March. A previous request for stage II work was submitted March 21, 1958 and approval for a portion of that request has been granted.

The stage II work shown in Exhibit A of the above captioned contract calls for "not more than 104 holes aggregating not more than 26,000 feet as offsets to previously drilled holes showing favorable mineralization". The work for which we request approval consists of 25 drill holes ranging in depth from 100 feet to 270 feet and totaling 4670 feet. These holes(except 76 and 77) are 250-foot offsets of Stage I holes completed in March that show favorable mineralization in the unoxidized zone. Holes 76 and 77 are 500-foot offsets in order to better complete the grid coverage of the claim group and to test the known ore horizons 500 feet south in the east half of claim #55. The location of the additional proposed stage II drill holes and the completed Stage I program are shown on the attached claim map. The hole numbers recommended drilling depth, Stage I hole being offset and depth, thickness and grade of mineralization in the stage I holes being offset are shown in the attached table. Note that many of the proposed drill holes will serve as offsets to more than one stage I drill hole. It is also important to note that the chemical assays for hole # 16 are much higher grade than indicated by radiometric probing.

The recommended depths are approximately 25 feet below the lower mineralized zone encountered in the Stage I hole being offset. Topographic configuration, however, requires that some offsets be drilled deeper than apparently necessary in order to reach the mineralized zones. This is particularly true on claims #34 and #38 because a ridge with approximately 90 feet of relief ~~seems~~ trends parallel to and just slightly north of the line of holes 17-11-7.

We are very much encouraged by the mineralization detected in holes 12 and 13 because they suggest a considerable continuous extension (at least 1500 feet) of the known ore horizons on the east half of claim # 32. This is the reason for the absence of 100-foot offsets on claims # 32 and 33.

The stage II footage granted in the request of March 21st and letter requested beside 60 holes aggregating 6000 feet. The limited four holes aggregating not more than 2,000 feet of drilling is authorized for stage II work by the contract. This no cable: pro future requests for additional stage II work when the above granted and requested work is completed.

Sincerely yours,

UNITED MINERALS & DEVELOPMENT CO.

Ralph L. Erickson

Ralph L. Erickson
Chief Geologist

RLE:ce
Enclosures

Stage I holes to be offset	Radioactivity in Stage I hole Depth	Thickness	%eU_3O_8	Assay (U_3O_8)	Stage II Hole No.	Recommended Drilling Depth
					57	150
7	110-123	13'	.02		58	150
	(contains 2' of .07% U_3O_8 113-115')				59	200
					61	180
					62	200
					63	270
					64	240
					65	200
8	167½-169	1½'	.015		60	200
11	211-214	3'	.03		63	270
	228-231	3½'	.10		64	240
	236-240	4'	.03		65	200
					67	260
					68	200
					70	260
					71	260
					72	200
12	121½-126	4½'	.085	126-128-.045	65	200
	126-133	7'	.01	134-136-.048	66	200
	133-136	3'	.01	136-138-.06	68	200
	136-140	4'	.015	138-140-.03	72	200
		(assays made on water-washed cuttings)			73	160
16	85-91	6'	.02	88-90-.02	69	170
	97-98	1'	.015	90-92-.12	70	260
	144-146	2'	.02	92-94-.03	74	170
				94-96-.05	75	170
				96-98-.13		
				98-100-.07		
		(assays made on air blown cuttings)				
9	143-144	1'	.02		76	170
14	58-60	2'	.06		76	170
	76-81	5'	.07	Oxidized zone		
	97-99	2'	.02			
15	71-84½	13½'	.03	Oxidized zone	77	170
	(contains 4' of .05% eU_3O_8 72-76')				78	170
88	76-81	5'	.03		79	100
	(contains 1' of .10% eU_3O_8)				80	100
					81	120

Number of holes requested 25
Total estimated drilling-4670 feet

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DATE | INITIAL | CODE
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

April 4, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166
Uranium Research and Development Company
(Rim group of claims), Fremont County, Wyoming

Enclosed are three copies of confirmation of work approval issued by the DMEA Field Team, Region III, pertaining to the drilling of 33 holes under Stage II of the contract. Also enclosed are three copies of a joint memorandum dated March 31, 1958, from E. O. Binyon, Mining Engineer, Bureau of Mines, and D. H. Richter, Geologist, Geological Survey, pertaining to the drilling.

Copies of the confirmation of work approval have been distributed to the Operator, the Finance Office, and others concerned in Region III.

E. N. Harshman

E. N. Harshman

Encls.

224 New Customhouse
Denver 2, Colorado

April 4, 1958

Mr. Ralph L. Erickson, Chief Geologist
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development
Company (Rim group of claims)
Fremont County, Wyoming

Dear Mr. Erickson:

In reference to your request dated March 21, 1958, this confirms verbal approval by the Government on March 31, 1958, for you to drill the following listed 33 holes under the provision of Stage II of the contract:

Stage I Holes to Be Offset	Interval of Mineralization in Stage I Holes (feet)	Location of Stage II Offset Holes	Maximum Depth (Feet)
D-28	52-56½	250' S of D-28	100
	59-70½	250' N of D-28	100
	65-68	250' W of D-28	100
D-58	49-54	250' E of D-58	170
	56-58	250' S of D-58	170
	148-149	250' N of D-58	170
		250' W of D-58	170
D-68	152-155	250' E of D-68	180
		250' S of D-68	180
		250' N of D-68	180
		250' W of D-68	180
D-73	50-53	250' E of D-73	170
		250' S of D-73	170
		250' W of D-73	170
D-74	144-147	250' E of D-74	170
		250' S of D-74	170
		250' N of D-74	170
		250' W of D-74	170

(Continued on Page 2)

(Cont.)

Stage I Holes to Be Offset	Interval of Mineralization in Stage I Holes (Feet)	Location of Stage II Offset Holes	Maximum Depth (Feet)
D-80	108-109	250' E of D-80	135
		250' S of D-80	135
		250' N of D-80	135
		250' W of D-80	135
D-84	128-129	250' E of D-84	180
	147½-149½	250' S of D-84	180
		250' N of D-84	180
		250' W of D-84	180
D-85	121-124½	250' E of D-85	150
		250' N of D-85	150
		250' W of D-85	150
D-97	78-79½	250' E of D-97	180
	160-162	250' S of D-97	180
		250' N of D-97	180
		250' W of D-97	180
		Total	5,320

With the exception of offset holes to Stage I hole No. D-73, the above approved offset holes are to be drilled to a depth of approximately 25 feet below the lower mineralized zone encountered in the Stage I hole being offset, but not to exceed the maximum depth established above for each offset hole. Offset holes to Hole No. D-73 shall be drilled to a depth of 170 feet.

Nothing in this confirmation of verbal work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Very truly yours,

DMEA Field Team, Region III

By E. N. Harshman
E. N. Harshman

By J. W. Townsend
J. W. Townsend,
Acting Member

JWT:bh
cc: Chairman, Op. Comm. (3)
Finance Office, Region III
Amendment File, Region III
Harshman
DMEA/DFC (Binyon)
Corres. File
Townsend
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

IN REPLY REFER TO: DMEA

RECEIVED APR 7 1958

March 31, 1958

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. M. Marshman

From: E. O. Binyon
D. H. Richter

Subject: Docket DMEA 4644 (Uranium), Contract Idm-E 1166, Uranium Research and Development Company (Rim group of claims), Fremont County, Wyoming

On March 21, 1958, the operator submitted a brief report on the Stage I work completed to date and requested the Government's approval of a portion of Stage II as provided for under the contract. Specifically, the operator requests fifty-six 250-foot offset holes totalling 10,290 feet.

At the time of the operator's letter 57 Stage I holes had been completed, of which 15 intersected material assaying between 0.01 and 0.17 percent eU_3O_8, over lengths of 1 foot or more, in the unoxidized zone. Of these 15, only 1 contained material that assayed greater than 0.10 percent eU_3O_8, and of the remaining 14, only 8 intersected mineralized material that assayed between 0.03 and 0.10 percent eU_3O_8. Although the operator requested offsetting all holes that contained 0.01 percent eU_3O_8 or more, the examiners believe that this amount of radioactivity is not sufficiently significant, on the 500-foot primary and 250-foot

offset grid being employed, to warrant offsetting. Certainly, it is possible that a 0.01 percent eU_3O_8 hole may be indicative of an ore body that may remain undiscovered by the DMEA exploration program; however, it would not be to the Government's best interest, especially in such an early stage of exploration, to try and find every ore deposit that may underlie the property. Consequently, under this portion of Stage II, we are recommending for offsets on 250-foot centers, only the 9 Stage I holes which exhibited radioactivity equivalent to 0.03 percent U_3O_8 or greater [1/], in the unoxidized zone. Recommended depths of the offset holes is approximately 25 feet below the mineralized zone encountered in the Stage I hole and not, as requested by the operator, the base of the Wind River formation.

The location and depth of the recommended Stage II holes, together with pertinent data on the Stage I holes to be offset, are shown on the accompanying table.

On March 31, 1958, the operator was advised of the Government's approval of the Stage II drilling recommended above.

E. O. Binyon

E. O. Binyon, Mining Engineer

D. H. Richter

D. H. Richter, Geologist

1/ The geologic environment on the Rim Group claims is analogous to that on the P-C Mining Corporation's property (DMEA 4713, Contract Idm-E 1115) which borders the Rim group on the south. After careful appraisal of the Stage I results on the P-C Mining Corporation property and discussions with H. D. Zeller, USGS geologist, it was deemed advisable to offset only those holes containing more than 0.03 percent eU_3O_8.

DHRichter:mp

Stage I hole to be offset	Recommended offset holes, using operators number designation	Recommended approx. depth (feet)	Location	Mineralization in Stage I holes: Interval (feet)	Mineralization in Stage I holes: % eU_3O_8
	1	100	250' S of D-28	52-56½	0.020
D-28	2	100	250' N of D-28	59-70½	0.041
	5	100	250' W of D-28	65-68	0.145
	8	170	250' E of D-58		
D-58	12	170	250' S of D-58	49-54	0.025
	13	170	250' N of D-58	56-58	0.030
	20	170	250' W of D-58	148-149	0.030
	19	180	250' E of D-68		
D-68	27	180	250' S of D-68	152-155	0.040
	28	180	250' N of D-68		
	35	180	250' W of D-68		
	21	170	250' E of D-73		
D-73	29	170	250' S of D-73	50-53	0.040
	39	170	250' W of D-73		
	22	170	250' E of D-74		
D-74	30	170	250' S of D-74	144-147	0.030
	31	170	250' N of D-74		
	40	170	250' W of D-74		
	32	135	250' E of D-80		
D-80	41	135	250' S of D-80	108-109	0.050
	42	135	250' N of D-80		
	47	135	250' W of D-80		
	37	180	250' E of D-84		
D-84	44	180	250' S of D-84	128-129	0.080
	45	180	250' N of D-84	147½-149½	0.040
	50	180	250' W of D-84		
	38	150	250' E of D-85		
D-85	46	150	250' N of D-85	121-124½	0.040
	51	150	250' W of D-85		
	48	180	250' E of D-97		
D-97	52	180	250' S of D-97	78-79½	0.070
	53	180	250' N of D-97	160-162	0.010
	55	180	250' W of D-97		
Totals	35	5,050			
		270			
		5,320			

224 New Customhouse
Denver 2, Colorado
March 31, 1958

4/2 ur
4/3 ~~[illegible]~~

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4644 (Uranium)
Contract Idm-E1166
Uranium Research and Development Company
(Rim group)
Fremont County, Wyoming

Dear Mr. Harris:

Form MF-104, Operator's Monthly Report and Voucher, has been received in this office and is being processed for payment.

Of the total footage of 11,086 feet drilling, a total of 161 feet was deducted by Mr. Erichson in preparing the voucher and accounting forms. A review of the lithologic logs submitted with the report indicates that a total of 221 feet of excess drilling was performed as shown in the following tabulation:

Hole No.	Total Depth	Allowable, 10 ft. below Wind River	Excess Drilling
D-26	253	210	43
D-36	110	104	6
D-40	234	230	4
D-50	160	96	64
D-51	160	142	18
D-53	250	222	28
D-66	110	108	2
D-81	176	170	6
D-83	250	248	2
D-85	178	167	11
D-94	120	83	37

Total excess footage---------- 221 feet
Excess drilling deducted by Operator---------- 161
Additional excess drilling---------- 60 feet.

The reported cost for 60 feet of excess drilling is disallowed.

You will be further advised of the above disallowance by means of an Administrative Audit Difference Statement, which will be forwarded to you by the Finance Office, Region III.

Please make the necessary adjustments, footages, and costs on the next report submitted on voucher and accounting Forms MF-104 and MF-104A.

Yours very truly,

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III

JDC:hmh

cc: Chmn. Op. Comm. (2)
DMEA/DFC
Townsend
Corres.file, Reg. III
Harshman
Chron

		27 1958	
			CODE
3/27			230
3/27			60
11			700

25th New Customhouse
Denver 2, Colorado
March 25, 1958

Memorandum

To: E. N. Harshman - w/enclosure
DMEA/RPC (Dingen) - " "

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. 2dm-41166, Uranium Research and Development Company (Rim Group of claims), Fremont County, Wyoming

Enclosed is a copy of the Operator's letter of March 21, 1958, with attached map, which constitutes an analysis of Stage I work completed to date and a request for the Government's approval of a portion of the work provided for under Stage II of the contract.

Please submit a joint memorandum report containing your recommendations in the matter.

Original signed by
J. W. TOWNSEND
for E. N. Harshman

JWTjpl

cc: Comm.Op.Comm.-2 } w/copy of
Govrem. file } enclosure.
Townsend
Gurgen.

map in envelope

URANIUM RESEARCH AND DEVELOPMENT COMPANY

205 Denham Building
Denver, Colorado

March 21, 1958

RECEIVED MAR 27 1958
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR
MAR 25 1958
REGION III
DENVER, COLORADO

United States Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Attention: W. H. King

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Ada-1166
Uranium Research & Development Co.
(Rim Group Claims)
Fremont County, Wyoming

Gentlemen:

Request is hereby made for approval of a partial Stage II exploration program under the above captioned contract on the basis of results achieved in the first month of our exploration program. This request is made in an effort to eliminate as much delay as possible between completion of the Stage I program and beginning of the Stage II program so that we may keep our drilling contractors employed and fulfill our contract committments. It is our understanding that this partial request does not preclude a further request for additional Stage II exploration if the results of the remaining work under Stage I so warrant.

The Stage II work shown in Exhibit A of the above captioned contract calls for "not more than 104 holes and requiring not more than 26,000 feet as offsets to previously drilled holes showing favorable mineralization". The work for which we request approval consists of 52 drill holes ranging in depth from 150 feet to an estimated 220 feet and totaling approximately 10,200 feet. These holes are 100-foot offsets of Stage I holes that show mineralization in the unoxidized or "blue" zone. The location of the proposed Stage II holes and the work completed to March 1, 1958, are shown on the attached claim maps. The hole numbers, recommended drilling depth, Stage I hole being offset, and depth, thickness, and grade of mineralization in the Stage I hole being offset are shown in the attached table. Note that many of the proposed drill holes will serve as offsets to more than one Stage I drillhole.

Although the mineralization in the Stage I holes is low grade, our experience in the Gas Hills and more particularly on this property has indicated that any anomalous radioactivity in

the unoxidized zone may be indicative of a nearby commercial ore body. This fact can be amply demonstrated in the ore bodies drilled and proven by this organization on the east half of Claim No. 55 during the summer of 1957. We also are encouraged by the fact that none of the mineralized zones being offset are deeper than 162'.

Most of the mineralized zones were drilled with water so that adequate samples for assay could not be obtained. However, assay results of air samples from hole D-28 (14' of .12% U_3O_8) suggest that our grade estimates by gamma ray logging (11½' of .041% U_3O_8) may be very conservative in low grade material. A definite depth target will be known for each proposed hole in the Stage II drilling; therefore, a special effort can be made to achieve air samples for assay through the suspected mineralized zones.

We anticipate future requests for additional Stage II work because new mineralized and ore grade holes have been drilled during March. These results will be reported in the monthly report for March. We also anticipate completion of the Stage I program by April.

Respectfully yours,

URANIUM RESEARCH AND DEVELOPMENT CO.

Ralph L. Erickson

Ralph L. Erickson,
Chief Geologist

RLE;mb

Enclosures

Hole No.	Recommended Drilling Depth	Hole # Offset	Radioactivity in hole being Offset					
			Depth	Thickness	eU_3O_8	Assay eU_3O_8		Beta U_3O_8
1 thru 6	150	[illegible]-[illegible]	[illegible]-[illegible]	4	.02	[illegible]-[illegible]	.17	.16
						[illegible]-[illegible]	.17	.14
			59-70	11	.041	[illegible]-[illegible]	.17	.10
			[illegible]-[illegible]	5	.145	[illegible]-[illegible]	.07	.10
						[illegible]-74	.10	.13
						74-76	.02	.05
						76-[illegible]	.10	.03
7	210	[illegible]-84	81-[illegible]	1	.015			
10	210		92-[illegible]	1	.01			
11	210							
19	Base of Upper Wind River Fm. Est. 200							
8	Base of Upper	[illegible]-83	4[illegible]-84	5	.026			
12			98-[illegible]	2	.03			
13	Wind River Fm.		143-146	1	.03			
20	Est. 220'							
9	Base of Upper	[illegible]-81	10[illegible]-107	1½	.025			
14								
15	Wind River Fm.							
23								
24	Est. Av. 190'							
16	Base of Wind							
28	River Fm.	[illegible]-86	[illegible]-95	3	.01			
26	Est. Av. 140'							
32								
33								
17	Base of Wind							
18	River Fm.	[illegible]-87	[illegible]-[illegible]	3	.01			
27	Est. Av. 200'							
34								
29	Base of Wind	[illegible]-[illegible]	132-135	3	.04			
35	River Fm.							
13	Est. Av. 200'							
27								
21	Base of Wind	[illegible]-73	80-83	3	.04			
20	River Fm.							
30	Est. Av. 130'							
39								

Hole No.	Recommended Drilling Depth	Hole Offset	Radioactivity in Hole Being Offset: Depth	Thickness	$\%eU_3O_8$	Assay eU_3O_8	Data U_3O_8
22	Base of Wind	0-74	144-147	3'	.03		
30	River Fm.						
31	Est. Av. 190'						
41							
32	Base of Wind						
41	River Fm.	0-00	1[illegible]-1[illegible]	1	.03		
42	Est. Av. 140'						
47							
36	200'	0-03	152-155	3	.01		
43	200'						
44	200'						
4[illegible]	200'						
37	200'		12[illegible]-1[illegible]	1	.06		
44	200'	0-24	147½-149½	2	.04		
45	200'						
49	200'						
50	200'						
33	Base of Wind	0-15	121-124½	3½	.04		
	River Est.130'						
45	200'						
46	Base of Wind						
	River Est.130'						
51	Base of Wind						
	River Est.130'						
46	200'	0-07	79-79½	1½	.07		
52	200'		190-192	2	.01		
53	200'						
55	200'						
50	200'		83-8[illegible]	3	.005		
53	200'	0-95	149½-153	3½	.02		
54	100'						
56	100'						

No. of Holes requested - 56
Total estimated drilling - 1[illegible],250 feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

DMEA RECEIVED FEB 10 1958		
DATE	INITIALS	CODE
2/10	C	220
2/13	B	215
"	Cking	700

February 5, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Contract No. Idm-E1166, Uranium Research and Development Company (Rim Group of claims), Fremont County, Wyoming

Enclosed are the Government's and Audit copies of Exploration Project Contract No. Idm-E1166, which was forwarded by your letter of January 27, 1958 for insertion of a suitable starting date under Article 1 and for signature by the Applicant.

Also enclosed are three copies of a letter from this office, dated February 5, 1958, whereby we forwarded the "Operator's Copy" of the contract, blank report forms and instructions relative to reporting on work performed under the contract, and procedures to be followed in communicating with this office in matters pertaining to the contract.

In addition, we are enclosing two copies of the Operator's letter of February 4, 1958, whereby the executed copies of the contract were returned to this office and wherein they advised that the date of February 15, 1958 was to be inserted in Article 1 of the contract.

The contract, dated January 27, 1958, provides for work estimated to cost $53,760.00, toward which the Government will contribute 75 per cent, or an amount not exceeding $40,320.00.

A copy of the contract, together with a copy of the Power of Attorney, forwarded by your letter of January 27, is being forwarded to the Finance Office, Region III, and a copy of the Power of Attorney retained with the Field Team Copy of the contract.

W. H. King
W. H. King

URANIUM RESEARCH AND DEVELOPMENT COMPANY

209 Denham Building

Denver, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 5 - 1958
REGION III
DENVER, COLORADO

RECEIVED FEB 10 1958
DATE | INITIALS

February 4, 1958

Re: Docket No. DMEA 4644
(Uranium)(Rim Group Claims)
Fremont County, Wyoming
Contract No. Idm E1166

Defense Minerals Exploration Administration
United States Department of the Interior
224 New Customhouse
Denver 2, Colorado

Attention: Mr. W. H. King, Executive Officer
DMEA Field Team, Region III

Gentlemen:

Enclosed please find original and four copies of the above-captioned Contract, executed by the duly authorized officers of this company.

You are advised that the date on or before which work will be commenced under Article 1 is February 15, 1958, and you are hereby authorized to fill in such date in Article 1.

Very truly yours,

URANIUM RESEARCH AND
DEVELOPMENT COMPANY

Robert L. Harris
President

RLH:jp

Enclosures

RECEIVED FEB 10 1958
DATE | NUMBER | CODE

224 New Customhouse
Denver 2, Colorado

ED MAIL

February 5, 1958

um Research and Development Company
Denham Building
ver, Colorado

Re: Docket No. DMEA 4644 (Uranium)
Contract No. Idm-E1166
Uranium Research and Development Company
(Rim Group claims)
Fremont County, Wyoming

Gentlemen:

Enclosed is the "Operator's Copy" of Exploration Project Contract No. Idm-E1166, Docket No. DMEA 4644.

Also enclosed are six copies of Form MF-104, "Operator's Monthly Report and Voucher," and six copies of Form MF-104A, "Operator's Unit Cost and Progress Report." At the end of the first calendar month after work is commenced, and monthly thereafter, you are required to submit the original and four copies of each form to the

Executive Officer
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado.

The extra copy is for your records.

Forms MF-104 and MF-104A are to be combined into five sets of one of each form. Each set of the combined forms is to be accompanied by a map or sketch showing the location and extent of work performed and a signed narrative report which describes the work performed, conditions encountered, and results of the work. The monthly accounting report will not be processed for reimbursement unless it is accompanied by a signed narrative report and other required or pertinent data. Additional copies of Forms MF-104 and MF-104A will be forwarded to you each month on receipt of your report for the prior month.

For your information, and in reply to many questions that have been asked, after Forms MF-104 and MF-104A are received, an engineer will check progress on the project and review your accounts,

...e report forms will be forwarded to this office for ...ive examination and vouchering. If the report is in order, ...ill be issued by the Treasury Department for the Government's ... of the approved costs. If you have any difficulty in completing ... forms and the reports, please call on this office for assistance.

In the matter of your claim for reimbursement of drilling costs under the terms of the contract, reimbursement to you will be on the basis of a hole or holes completed to the objective, which has, or have been, drilled in compliance with the conditions under the "General Provisions" section of Exhibit "A" of the contract and the special conditions pertaining to the drilling under each stage. Therefore, your monthly report should include only such holes which are completed to that extent and the required records made a part of your claim for reimbursement.

The contract is prepared on form 200-A, and under its provisions and as outlined in Exhibit "A", the work is to be performed at "Fixed Unit Costs", which will be the basis of reimbursement to you as units of work are completed and reported on Forms MF-104 and MF-104A. For further instructions, please refer to the last paragraph on the reverse side of Form MF-104.

Your requests to this office for work approval, changes in the contract, or any other communication pertaining to operations under the contract, must be in writing, of which please supply the original and five copies, each copy complete with maps or other pertinent data. Each request for action by this office must pertain to one matter only. Such requests are not to be incorporated in your narrative report accompanying monthly progress report Forms MF-104 and MF-104A.

The locations of holes to be drilled under Stage I are indicated on the map, "Figure 2," attached to the contract. Should conditions encountered necessitate or make desirable a change in the location of any of the holes, approval of this office for the change must be obtained prior to performance of the drilling. Otherwise, the drilling may not be acceptable for reimbursement to you under the terms of the contract.

Your attention is directed to the provision that Stage II work is contingent on results obtained from Stage I, and performance of the work under Stage II is subject to the prior written approval of the Government.

When work under Stage I has been completed, or sufficiently so to permit evaluation of the results of the work, you must request approval from this office for the work you propose to perform under

the next stage. Your request for the work approval must be in sextuplicate, each copy complete with a map showing the location and extent of the work completed and the location of the additional work proposed. Also, your request must include an evaluation of the work completed and include assay returns and any other pertinent data which will be of value to the Government in appraising results of the work.

If the work under Stage I is completed in its entirety before requesting approval for work under Stage II, you should anticipate a suspension of operations between stages of work, to enable the Government geologist and engineer to evaluate the results of the work performed and make their recommendations to this office relative to the additional work you propose.

To eliminate as much delay to operations as possible, if that is of serious consideration, you should expedite forwarding of the results of the work completed and your request for the Government's approval of the additional work you propose.

No oral statement of any person shall be construed to modify or change the terms of the contract. Field representatives of the Government are not authorized to approve any changes in the work program or contract provisions. Such approval can only be given by the Washington Office, DMEA, or by the DMEA Field Team, Region III.

It is a regulation that reimbursement for the cost of work accomplished prior to the date of the contract will not be allowed. It is a requirement and imperative that you notify this office in writing the date work actually commences under the contract.

Very truly yours

Original signed by
W. H. KING
W. H. King
Executive Officer
DMEA Field Team, Region III

Enclosures

JWT:prl

cc: Chmn. Op. Comm. (3)
Finance Office, Region III
Amendment file, Region III
Harshman
DMEA/DFC (Binyon)
Corres. file
Townsend
Chron.

Excerpt from Mr. Mittendorf's diary, 2/4/58: 4644

Harris, of Uranium Research, phoned me from Denver. I took the call without getting the docket, but I sent for Mike Ching to join in the conversation.

Harris was glad the contract had been delivered to him in Denver. He had some questions about costs and wanted to know how they were derived. He explained that he desired to utilize the services of the Century Geophysical Co. for logging the holes. He likes their methods, but admits their fees are high. The charge is 12 cents a foot. He wanted to know if it were possible to have the contract amended to include more money for these higher priced services.

By this time Mike was on the line and he explained how he derived the allowable costs. He told Harris that the incidental allowances included supervision and technical services and were comparable to allowances given in other contracts. He explained that many times the operator's technical staff do their own probing, which represents no additional outlay of cash since they own the radiometric probes. If not, they rent them.

Harris still made a strong pitch for us to allow him to hire these specialized services, but I gave him little encouragement, because I thought we would establish a precedent of allowing high charges to meet the costs charged by one particular outfit. Harris could see that this would be a bad precedent. He finally wound up by saying he would accept the contract as written.

He brought us up to date on their organizational changes and promised to send in copies of instruments which Mike thought would be necessary.

224 New Customhouse
Denver 2, Colorado

January 30, 1958

CERTIFIED MAIL

Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA 4644 (Uranium)
Uranium Research and Development Company
(Rim Group claims)
Fremont County, Wyoming -
Proposed Exploration Project
Contract No. Idm-E1166

Gentlemen:

Enclosed are the Government's, Audit, Finance Office, and Field Team copies of proposed Exploration Project Contract No. Idm-E1166, which has been prepared pursuant to your Application for Government assistance in exploration work under the Defense Minerals Exploration Administration program.

If the Contract is satisfactory, all copies are to be signed by an official of Uranium Research and Development Company authorized to sign such an instrument, the signer's title inserted, the signature attested to by the Secretary of the Company, the corporate seal affixed, and all copies promptly returned to this office.

In the event the Contract is not satisfactory, all copies are to be returned promptly to this office, together with your comments on or objections to the Contract.

Your attention is especially directed to three provisions in the Contract:

1. The Government will not contribute to the costs of any of the work that is provided for in the Contract which is performed prior to the date of the Contract.

2. The Contract requires completion of the exploration work within the period fixed therefor. Approval must be obtained from this office for any suspension of work which may result in failure to complete the work within the period specified.

3. Royalty is due the Government on all production from the land described in the Contract, beginning on the date of the Contract.

If the Contract is satisfactory, and upon return of all copies properly signed, the "Operator's Copy" of the Contract will be forwarded to you, together with blank report forms and instructions relative to reporting on work performed under the Contract. Also, instructions will be given you as to the procedure to be followed in corresponding with this office in matters concerning operations under the Contract.

When the signed copies of the Contract are returned, please advise us the date on or before which work will be commenced, for our insertion in Article 1 of the Contract form.

Very truly yours,

Original signed by
W. H. KING

W. H. King
Executive Officer
DMEA Field Team, Region III

Enclosures

JWT:prl

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DFC (Binyon)
Docket
Townsend
Chron.

OFFICIAL FILE COPY

Date	Surname	Code
1/23/58	Ching	700
"	[illegible]	700
"	Chambers	800
1/27	[illegible]	130
"	Johnson	110
"	[illegible]	100
1/28	[illegible]	220
		700

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

JAN 27 1958

Re: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming

Dear Mr. King:

Enclosed are the original and four copies of a proposed short-form contract between the Government and Uranium Research and Development Company, signed by the Administrator. The contract consists of Form MF-200A, Annex I, three Consent to Lien and Subordination Agreement forms, Exhibit "A" (3 pages), and a map (Figure 2). Also enclosed are two copies each of Annex I, Exhibit "A," the map (Figure 2), a letter, dated January 21, 1958, from Robert L. Harris, and a Power of Attorney executed by Rocket Mining Corporation and Western Uranium Corporation.

If you and the Applicant find the proposed contract satisfactory, it is ready for the signature of the Applicant, provided that a suitable final starting date is inserted under Article 1(a).

The costs suggested by the examiners were used with only minor variations, the principal change being the elimination of the part-time Supervising Geologist.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

MChing/gla 1-23-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Ching

APPROVED:

Frank D. Lamb (GCS)
[illegible]ber, Bureau of Mines

Thor H. Kiilsgaard (GCS)
[illegible], Geological Survey

8623

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 22 1958

DATE	INITIALS	CODE
1/22	g b	220
"	[illegible]	700

URANIUM RESEARCH AND DEVELOPMENT COMPANY

209 Denham Building

Denver, Colorado

January 21, 1958

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4644
(Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Mittendorf:

Enclosed is original and four (4) copies of Power of Attorney to Uranium Research and Development Company executed by Rocket Mining Corporation and Western Uranium Corporation.

You should have already received a Consent to Lien under my covering letter of January 18. You should have also received from Riverton a Power of Attorney executed by Western Uranium Corporation - Not needed. alone under a current date.

I believe this completes the requirements as specified in your letter of August 22, 1957, and should put our application in final form. Would you please advise if there are any further steps we should take in the completion of this application.

Very truly yours,

URANIUM RESEARCH AND
DEVELOPMENT COMPANY

Robert L. Harris
President

RLH:jp
Enclosures

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 20 1958

DATE	INITIALS	CODE
1/20	glr	220
"	CLDing	700

Robert L. Harris
Oil Properties
Denham Building
Denver 2, Colorado

January 18, 1958

Mr. C. O. Mittendorf
Defense Minerals Exploration Administration
Department of Intertior
Washington 25, D. C.

Re: Uranium Research and Development Company DMEA Loan Application Docket No. 4644- Rim Claims (Uranium)

Dear Mr. Mittendorf:

Enclosed is original and four copies of consent to lien and subordination executed by Mountain Mesa Uranium Corporation.

The other curative requirement will be forwarded to you from our chief geologist, Mr. Ralph Erickson from Riverton, Wyoming.

I believe that upon receipt of the latter, our curative requirements on our application will be met.

Will you please advise me at once if such is not the case.

Yours very truly,

URANIUM RESEARCH AND DEVELOPMENT COMPANY

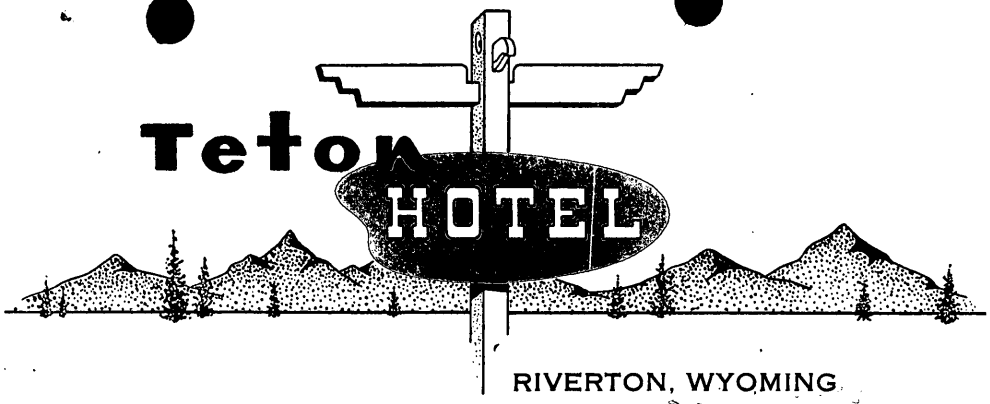
By Robert L. Harris

Robert L. Harris, President

RLH/ms

COCKTAIL LOUNGE

COFFEE SHOP



RIVERTON, WYOMING

DMEA
JAN 30 958

U.S. Dept of Interior
DMEA
Washington 25, D.C.

1-20 C 220
" Chrg 700.

Attn: Mr. M. Hendorf

Re: Docket No. DMEA-4644
(Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Mittendorf:

Transmitted herewith is the Power of Attorney to Uranium Research and Development Company from Western Uranium Corporation. The Power of Attorney from Rocket Mining Corp. will be delayed for a day or two because of a misplaced Corporate Seal.

Sincerely yours,
Ralph L Erickson
Vice President
Uranium Research + Development Co.

GATEWAY TO TETON AND YELLOWSTONE PARKS

DIAL UL 6-2271

Excerpt from Mr. Mittendorf's diary, 1/15/58:

Mr. Harris phoned, long distance, to discuss DMEA-4644, Uranium Research and Development Corp. He said he had received my recent letter giving him notice that if he did not comply with the stipulation set forth in earlier correspondence within a period of 30 days we would consider his application withdrawn. He said he did not believe our 30 days' notice to be unreasonable.

He said a deal was consummated yesterday afternoon and he believes he is now in a position to comply with our requirements. He has the power of attorney and the Consent to Lien which were the two basic requirements.

He stated that one of the original partners has been bought out and two of the original partners are left. Later on he said two new partners will be coming into the deal, at which time they will reorganize under the name of UREDCO Associates, Ltd.

He expects that the power of attorney and Consent to Lien will reach his office on Friday of this week. He will get them out the same day and said we should receive them by Monday, Jan. 20. He mentioned that our 30-day deadline will be reached Jan. 23. I told him if we receive the documents by the 23d we will consider that he has complied with the intent of the 30 days' notice. I told him if the documents are in order we will promptly forward a contract with all copies to our Denver office and they will thereafter contact him.

Since this case has been pending for an extended time, we discussed the original cost estimates briefly. I did not know whether they were based on bids that had been received a year or so ago and which might now be obsolete. He said he intended to examine those provisions of the contract very carefully and if any appreciable cost changes have occurred in the interim he would bring them to the field team's attention. If they were important enough to withhold execution of the contract, he would do so and seek a revision.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
12/23	Ching	700
12/23	Knowles	700
12/24	Mittendorf	100
12/24	C	220
		700

Mr. Robert L. Harris, President
Uranium Research and Development Co.
209 Denham Building
Denver 2, Colorado

DEC 23 1957

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

Reference is made to our letter of October 16, and your reply of November 20, 1957, regarding certain requirements of the Government with respect to the subject application.

We wish to cooperate with you fully in allowing ample time to supply the requested information; however, we cannot indefinitely postpone action on an application. Therefore, if we do not receive the requested information within 30 days from the date of this letter, we will assume that you are no longer interested in proceeding with your application, and we will consider it as having been withdrawn.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla
12/23/57
cc to: Admr.'s Reading File
THKiilsgaard, 5224
Mr. Ching
DMEA Field Team, Region III (2) w/2cc
Uranium Research and Dev. Co. letter 11/20/57

8623

OFFICIAL FILE COPY
DMEA
RECEIVED NOV 22 1957

DATE	INITIALS	CODE
11/22	C	220
	Filing	700

URANIUM RESEARCH AND DEVELOPMENT COMPANY
209 Denham Building
Denver 2, Colorado

November 20, 1957

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of Interior
Interior Building
Washington 25, D.C.

Re: Uranium Research and Development Company
Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Mittendorf:

Your letter of October 16, 1957 received. Fulfillment of the requirements mentioned have been delayed by the proposal of one of the members of the Joint Venture to sell its interest. Under our agreement the other members have first right and option to purchase such interest. Uredco and Western Uranium Corporation have elected to purchase this interest.

Consummation of this transaction should occur within the next two weeks, and power of attorney from the seller will not then be necessary. We have already secured the Power of Attorney from Western Uranium Corporation.

We have deferred further discussion with Mt. Mesa Uranium Corporation pending successful completion of the sale and purchase. We feel we can then successfully secure their consent. If not, we will advise immediately in order to set up a Performance Bond.

Sincerely yours,
URANIUM RESEARCH AND DEVELOPMENT CO.
By R. L. Harris
Robert L. Harris, President
by RFE

Excerpt from Mr. Mittendorf's diary, 11/13/57:

Robert L. Harris phoned from South Dakota regarding DMEA-464, Uranium Research and Development Co. I obtained the docket before taking his call.

Harris apologized for not replying to our letter of Oct. 16. He said he had been on the road most of the time since the letter was received.

He said there had been a new development in his situation which was caused by one of the partners in the joint venture deciding to get out. He said under the joint venture agreement he has the first right to acquire this interest and he has been working on that deal. He wants to go ahead with the DMEA project, but believes a week or ten days will be required before he can straighten out his affairs.

He did not wish to go to the trouble of getting a power of attorney, as requested in our letter of Oct. 16, under prevailing conditions whereby a new partner will enter this joint venture, or at least one will fall out, with his interest going to an existing partner.

He was particularly interested to know whether we would put up 50 or 75 percent in this instance. I told him we are processing all applications of record prior to the change in regulations under the then existing rule. In other words, his would be for 75 percent.

I told him, however, that we could not hold this contract in a suspended form for an indefinite period without running the risk of criticism. He thoroughly understood our position.

I told him he could expect that, if he did not satisfy the requirements of our letter of Oct. 16 within a period of 30 days, we would be writing him again and might give him 30 days' notice within which to satisfy our requirements or we would consider his application withdrawn. Thereafter he would have to re-apply under the new participation rate.

I suggested that, for the record, he had better write us a letter confirming what he had told me by phone.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/15	Ching	700
"	Ellis	700
"	Johnson	110
16	Mittendorf	100
280	B	220
		700

OCT 16 1957

Mr. Robert L. Harris, President
Uranium Research and Development Co.
209 Denham Building
Denver 2, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

A month has now elapsed since the Acting Administrator wrote you on September 16, concerning certain requirements of the Government in respect to property rights under the subject application.

Action on your application is pending receipt of the Consent to Lien and Subordination Agreement of Mountain Mesa Uranium Corporation and the Powers of Attorney mentioned in our letter of August 22.

If, for any reason, you are unable to secure the Consent to Lien from Mountain Mesa and can secure a letter from it to that effect, you may supply, in lieu thereof, a Performance Bond on Standard Form 25 as prescribed by the General Services Administration. If such be your desire, please advise us and we shall be pleased to furnish the necessary details regarding procedure.

It is our understanding that you will have no difficulty securing the above-mentioned Powers of Attorney.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

MChing/gla
10-15-57
cc to: Admr.'s Reading File
THKiilsgaard, Rm. 5224
Mr. Ching
DMEA Field Team, Region III (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9-11	Ching	700
9-11	Ellis	700
	Butin	140
	Hoffland	140
9/16	Johnson	110
9-17	C	220
		700

RECEIVED
SEP 12 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

SEP 16 1957

Mr. Robert L. Harris, President
Uranium Research and Development Co.
209 Denham Building
Denver 2, Colorado

INTERIOR DEPT.
SEP 11 1957
SOLICITOR

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

In the absence of Mr. Mittendorf, I am pleased to advise you that the Agreement attached to your letter of September 4, 1957, is sufficient for our purposes and satisfies requirement No. 1 of our letter of August 22.

In regard to the question raised in connection with our requirement No. 3(c) by Mountain Mesa Uranium Corporation, the main purpose of this agreement is to have Mountain Mesa subordinate its royalty claim to that of the Government in the event there is production from the subject claims. In the absence of production, the Government would have no claim and the minimum or advance royalty referred to would be of no concern to the Government. However, if there should be production, the Government's royalty claim would be prior to that of Mountain Mesa, but the existence of such a prior claim would not in itself prevent Mountain Mesa from receiving minimum or advance royalties. The only situation under which the Government's lien or claim would go back to attach to such advance royalties, would be where the Operator fails to pay royalties due the Government on production covered by the advance royalties. This, of course, would be an unusual situation and we trust that the possibility of such an eventuality will not deter Mountain Mesa from signing a Consent to Lien and Subordination Agreement.

Sincerely yours,

Frank E. Johnson
(By-esf)
Acting Administrator

MChing/izm 9-11-57
cc: Mr. Ching
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. 3 (2) w/2cc's of incoming letter

8623

Robert L. Harris
Oil Properties
Denham Building
Denver 2, Colorado

OFFICIAL FILE COPY
D M E A
RECEIVED SEP 10 1957

DATE	INITIALS	CODE
9-10	C	220
"	Chmy	700

September 4, 1957

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of Interior
Interior Building
Washington 25, D. C.

Re: Uranium Research and Development Company
Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Mittendorf:

I have your letter of August 22nd, 1957 and wish to thank you for the explicit manner in which you set forth the requirements in connection with the subject application. I regret that both myself and Mr. Smith were apparently confused on the various requirements needed. I have just returned from a conference with Mr. Smith in which we went over the requirements and I read your letter to him of August 16, 1957 relative to the Riverton Uranium Corp. matter.

This is to advise you that for the sake of continuity and expedition of this matter on our part, all future correspondence in regard to this project and its requirements and execution should be directed to me personally at my Denver office; and any communications needed with others will be made from this office.

In reference to your letter of August 22nd to me, I would like to take up the requirements in the order named therein.

Requirement No. 1: This company deeply regrets that the Administration was involved in a royalty conflict between the Rim Group and Riverton Uranium Corporation, since that is not directly involved in this application and has nothing to do with its merits. However, since your letter of August 22nd requires an additional agreement between the Rim Group and Riverton Uranium, I have prepared such an agreement and have the signature of the Riverton Uranium people on it, and am forwarding the same to the Rim Group for execution. It is possible that we may have some reluctance from the Rim Group to sign this agreement due the ill feeling created by the royalty conflict. In an attempt to circumvent this obstacle, I have prepared and have secured the execution of the enclosed agreement between Riverton Uranium Corporation and this company, in which, for a legal consideration, they have stipulated that this company shall have the right to continue the exploratory work under the DMEA contract if granted. In the meantime I will attempt to secure the execution by the Rim Group as called for, but would appreciate your clearing this enclosed agreement with your legal staff on the possibility that it may take care of require-

ment No. 1, and make an additional agreement between The Rim Group and Riverton Uranium Corporation unnecessary.

Requirement No. 2 : This requirement can easily be secured and papers are now being prepared and circulated for the Powers of Attorney requested; they should be in your hands within the next week.

Requirement No. 3: No. 3A and No. 3B have been furnished. In regard to requirement No. 3C, Mountain Mesa Uranium Corporation has raised the following question, prior to their execution of the Consent Agreement: The Basic Lease covering the Rim Group of claims provides for a minimum "annual royalty" of not less than $10,000 to The Rim Group and Mountain Mesa; and the question raised is whether the government lien would attach to this "advance royalty"in the absence of production, or, upon production, if the lien would go back to attach to such "advance royalty". I have stated to Mountain Mesa that I believe the subordination agreement and its footnotes under paragraph No. 1 are self-explanatory, but I would appreciated it if you could send me a short letter setting out the fact that the government lien would not attach if such is thecase.

I appreciate that I am asking two considerations here that might not ordinarily be given as a matter of course. However, we feel strongly about the potential success of the DMEA program in this instance, and are determined to overcome the technical difficulties in the approval of this application. We have the further desire to substantiate the government's faith is this firm as a sound geological company.

Sincerely yours,

URANIUM RESEARCH AND DEVELOPMENT COMPANY

By Robert L. Harris

Robert L. Harris, President

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/22	Ching	700
8/22	Ellis	700
"	Johnson	110
"	Mittendorf	100
8/23	P	220
		700

AUG 22 1957

Mr. Robert L. Harris, President
Uranium Research and Development Co.
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

Your letter of August 15, 1957, indicates that our requirements in connection with the subject application are not entirely clear to you.

In a meeting on June 20, your attorney, Mr. W. A. Smith, was informed by our Mr. Henry Rubin that the following documents would be required:

1. An amendment to the Agreement and Supplement, already submitted, between The Rim Group and Riverton Uranium Corporation, whereby the Applicant is authorized to complete the DMEA exploration work in the event that Riverton becomes entitled to possession of the land prior to completion of such work.

2. Powers of Attorney from Rocket Mining Corporation and Western Uranium Corporation to Uranium Research and Development Company, giving "Uradco" the authority to represent the Joint Venture in carrying out the proposed exploration project.

3. Consent to Lien and Subordination Agreement forms executed by (a) Riverton Uranium Corporation, (b) The Rim Group, and (c) Mountain Mesa Uranium Corporation.

We understand that a new issue has arisen between The Rim Group and Riverton concerning royalty provisions and that Mr. W. A. Smith is having some difficulty in satisfying our above requirement No. 1. Our position, in this respect, is expressed in a letter, dated August 16, to Mr. Smith.

Items Nos. 3(a) and 3(b) are at hand, but items 2 and 3(c) are yet to be furnished.

8623

It is suggested that you get together with Mr. W. A. Smith and take the necessary steps to satisfy all our requirements as soon as possible.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc to: Mr. W. A. Smith
Smith and Nicholas
First National Bank Bldg.
Lander, Wyoming

MChing/izm 8-22-57
cc to: Mr. Ching
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. 3 (2) w/2cc's of incoming letter

orm 7
56)

OFFICIAL FILE COPY

Date	Surname	Code
8/22	Ellis	700
		100
		220
		700

August 21, 1957

Memorandum

To: The Files

From: Michael Ching, Mining Engineer
Div. of Rare & Misc. Metals

Subject: Long Distance Call From Mr. Robert L. Harris
Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Mr. Harris wanted to know the status of his application and whether all our requirements had been met, and referred to his letter of August 15.

He was told that all requirements of the DMEA had not been met and that a letter listing the deficiencies was in process of being typed. I advised him of these deficiencies over the telephone.

He stated that he plans to meet soon with his attorney and other interested parties in an effort to meet all our requirements promptly.

Michael Ching
Michael Ching

MChing/izm 8-22-57
cc to: Mr. Ching
Admr.'s Reading File

8623

DMA Form 7
(1956)

OFFICIAL FILE COPY

Date	Surname	Code
	Rubin	
	Sawyer	
8/15	Chiang	700
"	Kuocist	700
"	Johnson	110
"	Rutledge	100
8/16	P.	220
		400
		100

AUG 16 1957

W. A. Smith, Esq.
Smith and Nicholas
First National Bank Bldg.
Lander, Wyoming

Re: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group claims
Fremont County, Wyoming

Dear Mr. Smith:

This responds to your letter dated August 1, 1957, addressed to Mr. Henry Rubin of the Solicitor's Office, concerning the subject application.

When you discussed the application here on June 20, 1957, it was noted that the "Agreement" and "Supplement to Agreement," both dated June 19, 1957, executed between The Rim Group and Riverton Uranium Corporation, do not authorize the applicant to complete the DMEA exploration work in the event that Riverton Uranium Corporation becomes entitled to possession of the land prior to the completion of the exploration work. It was indicated to you that evidence of such right was required, and we understood that you would submit this evidence.

Your letter stated that a new issue has arisen between The Rim Group and Riverton concerning the interpretation of the royalty provision in the Supplement to Agreement referred to above, and that Riverton has refused to revise these agreements in any way. Instead, Riverton authorized you to submit to the Government a copy of its letter to you dated July 8, 1957, in which it is stated that "Although Riverton . . . could not commit itself to complete a contract to which it is not a party . . . the Corporation will certainly do nothing, so far as DMEA is concerned, to interfere with the completion of said contract."

It is regretted that Riverton's letter is insufficient for our purposes, and we would suppose that it is also insufficient for yours, since it is the applicant who would be bound by a DMEA contract to complete the work. We can only suggest you emphasize to Riverton that, under the type of amendment to your agreements with Riverton which you discussed here, Riverton would not be bound to complete the DMEA exploration work in the event it won the right to possession of

the land, but it would be bound to permit the applicant to complete it. All of which would benefit Riverton, it would seem to us, since it would have the fruits of the exploration work without paying for any of it.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

HCRubin/emd 8/14/57

Copy to: DMEA Docket
Adm. Reading File
DMEA Field Team, Reg. III (2)
E. W. Ellis
R. P. Dwyer
H. C. Rubin
chron.
pending

Robert L. Harris
Oil Properties
Denham Building
Denver 2, Colorado

August 15, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1957

DATE	INITIALS	CODE
8/18	C	220
8/19	[illegible]	700

Mr. C. O. Mittendorf
Administrator
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

Re: DMEA Docket No. 4644

Dear Mr. Mittendorf:

Enclosed are consents to lien executed by Uranium Research and Development Company and Western Uranium Corporation covering the Rim Group of Claims in Fremont County, Wyoming.

The consent to lien of Rocket Mining Corporation should have been forwarded to you today from the office of W. A. Smith of Lander, Wyoming.

These documents were held up on the assumption that they would be attached to the contract upon its execution here in Denver. Apparently that is not the case, and it was certainly not the tenor of your telegram of instructions relative to legal documents.

At any rate, you can advise us of any change in procedure. Could you also advise if these consents together with the documents previously forwarded to you are sufficient to comply with the requirements of you legal department?

Yours very truly,
URANIUM RESEARCH AND DEVELOPMENT COMPANY
By Robert L. Harris
Robert L. Harris

RLH/ms

Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/2	Ching	700
		700
"	Johnson	110
"	Mittendorf	100
8/2	C	220
		700

AUG - 2 1957

Department of the Interior

DMEA

COLLECT TELEGRAM

ROBERT L. HARRIS, PRESIDENT
URANIUM RESEARCH AND DEVELOPMENT CO.
209 DENHAM BUILDING
DENVER, COLORADO

RE DOCKET DMEA-4644 PURSUANT YOUR TELEPHONIC REQUEST TO MR. CHING, THIS WILL ADVISE THAT DOCUMENTS IN QUESTION HAVE NOT YET BEEN RECEIVED.

C. O. Mittendorf
(esf)

C. O. MITTENDORF, ADMINISTRATOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

MChing/gla
8-2-57
cc to: Admr.'s Reading File
Code 700, Mr. Ching
THKiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)
Confirmation to Mr. Harris

8623

LAW OFFICES
SMITH AND NICHOLAS
FIRST NATIONAL BANK BLDG.
LANDER, WYOMING
PHONE 607

W. A. SMITH
W. J. NICHOLAS

August 1, 1957

RECEIVED
AUG - 5 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

Mr. Henry Ruben
Solicitor's Office
Defense Minerals Exploration Administration
Department of Interior Building
Washington, D. C.

Re: DMEA 4644 (Uranium)

Dear Mr. Ruben:

Since my discussion with you, I have corresponded with Mr. Albert Dilling of Chicago in an effort to obtain a supplemental agreement containing their consent to the completion of the above contract if granted and they are successful in their litigation.

A slight misunderstanding between the two of us has arisen concerning whether or not the royalties reserved by The Rim Group will be reduced permanently or during the period of the life of the DMEA loan. It was originally agreed that the royalties would remain as they are presently during the period of the litigation or the life of the DMEA loan, whichever is the sooner. However, in drafting the original contract I neglected to put in the last clause. At Chicago, according to the Supplement, apparently the Dillings feel we have agreed to reduce the royalties forever. In explanation, I wish to inform you that under the original lease which was the subject of the litigation in Fremont County, Wyoming, the land owners retained a 15% royalty; this was reduced to 5% for Rocket Mining at the time of their lease. Of course, if Riverton Uranium were successful in their litigation the lease with Rocket would be cancelled and the original lease with Mountain Mesa would still be in effect and the 15% royalty would be retained by the Rim Group. Naturally, Riverton Uranium would like to get that 15% reduced, if possible. We agreed to reduce it to the extent of the present royalty interests as long as the DMEA loan was in effect. Because of this unfortunate circumstance, the Dillings now refuse to in any way change the original contract and insist only that the letter enclosed be forwarded to your office. After the receipt of the July 8th letter enclosed, I again wrote to them, explaining this was not sufficient; they in turn replied they would do no more and if you demanded more for you to contact them directly.

I am sure you have heard Riverton Uranium lost their suit in the Federal Court to Mountain Mesa Uranium Corporation. As it stands now, Riverton Uranium only has two appeals, one from an adverse ruling in Federal Court and one from an adverse ruling in the District Court, either one of which decisions if sustainted in the appellate Court would cancel their rights which they claim.

I am very sorry that I have not been able to forward to you that which you requested, but hope this will be sufficient under the circumstances.

I am likewise enclosing a copy of the Powers of Attorney for the various members of The Rim Group, and have forwarded the Consents to Lien to the various parties with the request that they forward the same directly to you.

Very truly yours,

W. A. Smith

was:vms

Enc's.

P. S. I enclose also a completed set of Consent to Lien and Subordination Agreement executed by The Rim Group.

RIVERTON URANIUM CORPORATION

139 NORTH CLARK STREET
CHICAGO 2, ILLINOIS
CENTRAL 6-8417

July 8, 1957

TETON HOTEL
RIVERTON, WYOMING

W. A. Smith, Esq.
Smith and Nicholas
Attorneys at Law
First National Bank Building
Lander, Wyoming

Dear Mr. Smith:

I have just returned to the City this morning.

Although Riverton Uranium Corporation could not commit itself to complete a contract to which it is not a party, and about which it knows very little, the Corporation will certainly do nothing, so far as DMEA is concerned, to interfere with the completion of said contract.

You may feel free to show this letter to DMEA concerning this matter.

Since this letter further clarifies the point raised by DMEA, there would seem to be no need whatsoever to enter into any new written agreement.

Very truly yours,
RIVERTON URANIUM CORPORATION

Albert W. Dilling

Albert W. Dilling

AWD: hs

OFFICIAL FILE COPY

Date	Surname	Code
7/19	Ching	700
7/19	Kaurd	700
"	Johnson	110
"	Mittendorf	100
7/19	P.K.	220
		700

JUL 19 1957

Department of the Interior

DMEA

14X4401(01) Revolving Fund, Defense Production Act, Interior, (Transfer to Office of Secretary)

ROBERT L. HARRIS, PRESIDENT
URANIUM RESEARCH AND DEVELOPMENT COMPANY
209 DENHAM BUILDING
DENVER, COLORADO

RE DOCKET DMEA-4644 FURTHER PROCESSING YOUR APPLICATION AWAITING RECEIPT OF AMENDMENT TO RIM GROUP-RIVERTON AGREEMENT, POWERS OF ATTORNEY, AND CONSENTS TO LIEN AND SUBORDINATION AGREEMENTS DISCUSSED BY OUR H. C. RUBIN AND YOUR W. A. SMITH ON JUNE 21.

C. O. Mittendorf (for)

C. O. MITTENDORF, ADMINISTRATOR

MChing/gla
7-19-57
cc to: Admr.'s Reading File
Code 700, Mr. Ching
THKiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

JUL 1957

Memorandum

To: The Administrator, DMEA
Attention: Chief, Rare & Miscellaneous Metals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-6644, Uranium Research and Development Company (Uranium)

Pursuant to Mr. Ellis' request, we have prepared the attached contract. However, the contract should not be forwarded to the Operator until the Government has received the Consent to Lien and Subordination Agreements of the Rio Grande and the Mountain Mesa Uranium Corporation as indicated in our memorandum of June 21, 1957.

Robert P. Dwyer

Attachments

RWLong/cmd
Copy to: Solicitor's Docket (2)
DMEA Docket
E. W. Ellis
R. P. Dwyer
R. W. Long
chron.

OFFICIAL FILE

Date	Surname	C
6/24	Ching	700
"	Ellis	700
		220
		140

INTERIOR DEPT.
JUN 25 1957

June 24, 1957

Memorandum SOLICITOR

To: Associate Solicitor,
Division of Mineral Resources

From: Ernest Wm. Ellis, Director
Division of Rare & Miscellaneous Metals

Subject: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming

Will you please prepare a short-form contract between the Government and the subject company in accordance with the attached draft.

Nine copies of the map (Figure 2) and six copies of the Consent to Lien and Subordination Agreement of Riverton Uranium Corporation are attached.

Certain legal documents are yet to be submitted as indicated in your memorandum, dated June 21, 1957, to the Administrator.

/s/ Ernest Wm. Ellis

Ernest Wm. Ellis

Attachments

MChing/gla
cc to: Mr. Ching

RECEIVED
JUN 25 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

EA Form 7
2-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/24	Ching	700
"	Ellis	700

June 24, 1957

Memorandum

To: The File

From: Michael Ching, Mining Engineer
Division of Rare and Miscellaneous Metals

Subject: Proposed Contract Costs
Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Company
Rim Group Claims
Fremont County, Wyoming

The subject Operator has indicated its intention of having the drilling done by a member of its own joint venture in lieu of an independent contractor. Estimated costs in the application amounted to $1.00 for direct drilling and $0.15 incidental costs, or a total of $1.15 per foot, for non-core drilling.

Three drilling bids accompanying the application were for $1.10, $1.15, and $0.95 per foot for direct drilling costs only. The field examiners refer to three bids submitted by the Applicant on April 16, all of which were lower than the Applicant's estimate. The lowest of these three bids averaged $0.78 per foot and this is the figure used in the examiners' estimate of cost.

In view of the fact that the Operator proposes to do the work itself, and the proposed unit price for drilling is the lowest of six bids and is lower than the allowable price of several existing DMEA contracts in the area, a short-form fixed unit price contract is in order. Details are as follows:

			Totals
57,500 ft. non-core drilling @ $0.78/ft.			$44,850.00
Incidental costs:			
Stand-by time - 29 hrs. @ $10.00/hr.	$290.00		
Labor, supervision and consultants			
Geologist - 4.5 mos. @ $600/mo.	$2,700.00		
Assistant - 4.5 mos. @ $400/mo.	1,800.00	4,500.00	

8623

			Totals
Operating materials and supplies:			
Sample sacks, 500 @ $10.00/M	$ 5.00		
Office supplies	150.00	$ 155.00	
Operating equipment:			
Probing equipment, 4.5 mos. @ $25/mo.	112.50		
Transportation, 15,000 miles @ $0.07/mile	1,050.00	1,162.50	
Miscellaneous:			
Accounting - 5 mos. @ $50.00/mo.	250.00		
Insurance, taxes, etc. 5% of $4,500	225.00	475.00	
Contingencies		317.50	
Total incidental costs @ $0.12/ft.			$ 6,900.00
44 hrs. bulldozing @ $13.00/hr.			572.00
360 chemical analyses for U_3O_8 @ $4.00 each			1,440.00
			$53,762.00

Michael Ching

Michael Ching

DRAFT
MChing/izm
6-24-57

MF-200A
(Rev. April 1956)

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
4644	Uranium	*Idm–E*	Fremont	Wyoming

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Uranium Research and Development Company, a Colorado Corporation

whose mailing address is 209 Denham Building, Denver, Colorado

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF–200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 6 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $ 53,760.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $ 40,320.00, in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: .....

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: Consent to Lien&Subordination Agreement of the Rim Group, Mountain Mesa Uranium Corp., and Riverton Uranium Corp.

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

.....

.....

.....

.....

.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

.....
(Operator)

By .....

By .....

.....

I, ..., certify that I am the ..... secretary of the corporation named as Operator herein; that ....., who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

EXPLORATION PROJECT CONTRACT
URANIUM RESEARCH AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-464

ANNEX I

The land referred to in Article 2 of the Contract consists of 40 unpatented lode mining claims situated in secs. 8, 9, and 17, T. 33 N., R. 89 W., 6th P.M.&B., Fremont County, Wyoming. The land is shown on the map entitled "Figure 2. Claim Map Showing Proposed Drill Holes...," attached hereto and made a part hereof. Rim 58 and 59 claims are omitted.

The notices of location of the claims are recorded at the Office of the County Clerk of Fremont County, Wyoming, as follows:

Claim No.	Book	Page
Rim 1-9	117	188-196
Rim 16-23 and 26-30	117	197-209
Rim 34, 35, 39, 40	117	210-213
Rim 44 - 57	117	214-227

The Rim Group, a joint venture, is the owner of the subject claims. The Operator has a leasehold interest in the property. However, Riverton Uranium Corporation also claims a leasehold interest, and has appealed to the Supreme Court of Wyoming from a judgment in Operator's favor on this issue. To enable the Operator to proceed with the DMEA project the Rim Group and Riverton have entered into an Agreement and a Supplement to Agreement, both dated June 19, 1957, under which Riverton consents to the exploration contract.

EXPLORATION PROJECT CONTRACT
URANIUM RESEARCH AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-464

EXHIBIT "A"

Description of the Work

General Provisions

The work consists of exploration by non-core drilling to test the potential ore-bearing sandstones of the upper Wind River formation of Eocene age.

Drilling depths are expected to range from 100 to 400 feet and to average 250 feet. All holes shall be drilled through the upper Wind River formation, but none shall extend more than 10 feet below the base of such formation.

In the case of dry non-core drilling cuttings shall be collected with a Duclone sample collector or equivalent unit of other make. Where wet non-core drilling is done, provisions shall be made for taking satisfactory sludge samples. Samples shall be taken at two-foot intervals in either case.

Cuttings from all drill holes shall be checked for radioactivity. Samples indicating significant mineralization shall be split; one portion shall be analyzed chemically for uranium and one portion shall be properly labeled and stored for the use of the Government. The unmineralized cuttings also shall be labeled and stored for inspection by the Government. At the completion of the project, upon Government approval, all stored samples may be disposed of by the Operator.

All drill holes shall be logged geologically and probed radiometrically, and the record of such logging and probing, together with certified copies of all assay certificates shall be submitted with the Operator's monthly progress reports.

No drill hole shall be drilled closer than 100 feet to the outer boundaries of the land described in Annex I.

No payment shall be made by the Government for incompleted drill holes.

Access roads and drill sites shall be prepared with a D-7 or larger bulldozer or an equivalent unit of other make. If a D-6 bulldozer or equivalent unit is used the allowable hourly rate shall be reduced from $13.00 to $10.00 and the number of allowable hours increased accordingly.

The project shall be supervised at all times by a competent geologist or mining engineer who shall devote full time to the project work.

The location, direction, inclination, and extent of all project work are subject to the approval of the Government.

The work shall be divided into two stages as hereinafter described. The Operator shall complete Stage I and perform asmuch of Stage II as the Government approves in writing in advance; except that the chemical analyses provided for in each stage may be transferred between stages as required without the written approval of the Government.

Stage I

Prepare access roads and drill sites and drill approximately 126 holes aggregating an estimated 31,500 feet as indicated on the map (Figure 2). The holes are on a 500-foot square grid except for the 2 northernmost holes on Rim No. 46 claim, the hole on Rim No. 44, and the 2 southernmost holes on Rim No. 34, which are spaced 400 feet from other holes in a north-south direction in order to stay at least 100 feet from the property boundaries. If the 126 holes require more than 31,500 feet of drilling to reach the desired horizon the additional footage and funds required may, upon the written approval of the Government, be transferred and deducted from Stage II.

Stage II

Prepare access roads and drill sites and drill not more than 104 holes aggregating not more than 26,000 feet as offsets to previously drilled holes showing favorable mineralization. Offset holes shall be drilled not closer than 100 feet to any previously drilled hole that completely penetrated the upper Wind River formation.

Estimated Costs of the Project
(Fixed Unit Costs)

Stage I

31,500 ft. non-core drilling @ $.90/ft.	$28,350.00	
24 hrs. bulldozing @ $13/hr.	312.00	
200 chemical analyses for U_3O_8 @ $4/each	800.00	
Estimated Total Cost of Stage I		$29,462.00

Stage II

26,000 ft. non-core drilling @ $.90/ft.	$23,400.00	
20 hrs. bulldozing @ $13/hr.	260.00	
160 chemical analyses for U_3O_8 @ $4/each	640.00	
Estimated Total Cost of Stage II		$24,300.00
Estimated Total Cost of the Project (rounded)		$53,760.00
Government Participation @ 75%		$40,320.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

JUN 21 1957

Memorandum

To: The Administrator, DMEA
Attention: Chief, Rare and Miscellaneous Metals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-4644, Uranium Research and Development Company

At the request of Congressman Keith Thomson's office, we met with Mr. W. A. Smith, attorney for the Applicant, and Mr. Gill of the Rocket Mining (one of the joint venturers in the subject contract).

You will recall that Riverton Uranium Corporation claims the right to possession of the land, claiming a valid leasehold interest, and has appealed to the Supreme Court of Wyoming from a judgment in Applicant's favor on this issue. In this connection, the Applicant's attorney submitted an Agreement and a Supplement thereto, between the Rim Group, the landowners, and Riverton, under which Riverton consents to the exploration contract. The Consent to Lien and Subordination Agreement of Riverton also was submitted.

Our review of the Agreement noted the Agreement does not provide that in the event Riverton wins the case the Applicant can finish the exploration contract. This additional right will be obtained by the Applicant either by amendment to the Agreement already submitted to us or execution of a new agreement supersedding the papers already submitted.

In addition to the foregoing, the parties were informed that powers of attorney are required indicating authority for "Uradco" to represent the joint venturer (operator); that Consent to Lien and Subordination Agreement of the Rim Group joint venture is necessary and appropriate powers of attorney; and that Consent to Lien from Mountain Khaz is necessary.

We indicated that since the additional papers were certain to be submitted by Applicant, processing of the application would not be held up until we received them.

Robert P. Dwyer

HCRubin/cmd
Copy to: Solicitor's Docket (2)
DMEA Docket
E. W. Ellis
R. P. Dwyer

Excerpt from Mr. Mittendorf's diary, 6/14/57:

Mr. Harris phoned from Denver to discuss DMEA-4644, Uranium Research and Development Co. He said that following his last conversation with Rubin he obtained an oral agreement with the Riverton Co. to subordinate their rights to DMEA. He said Attorney Bill Smith will go to Chicago early next week to reduce the oral agreement to writing. He will then come to Washington.

Harris wanted to know if any other information or documents will be required of him before a contract can be prepared. He said the field team representative had recently asked him to obtain three bids from drilling outfits.

He wanted to know if any Owners' Consents would be required. If so, he said this would be a time-consuming job because about 24 different people are involved. He did not know if any one person - perhaps Smith, the attorney - had power of attorney.

I told him I did not know whether the Division had checked the application in sufficient detail to determine what Consents would be necessary. I felt there was a good chance that the Division did not analyze the application too thoroughly once they detected the glaring conflict in the title to the grant.

I passed this information on to Mike Ching by phone, and he said my assumption is correct, but he will now examine the docket carefully to determine whether Owners' Consents will be required. He will be prepared to discuss the case with Smith when and as he calls on DMEA.

IN REPLY REFER TO:

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DMEA
RECEIVED MAY 22 1957

DATE	INITIALS	CODE
5/22	ZWJ	220
"	Chang	700
	Comments Complete	

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

May 21, 1957
Re: DMEA 4644
Uran. Research and Development Co.
Rim Group
Fremont County, Wyoming
Appl. Est. $75,547.00
Rec'd Est. $54,529.75 - uranium

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring by 2-stage non-core drilling, claims underlain by the Wind River formation. The ownership of the property has not been established and the proposal is conditional.

Seventeen holes have been drilled on four of the 42 claims. Four holes showed mineralization and one 2-foot sample showed 0.115% U_3O_8. Two pits have been dug and a small quantity of ore is said to have been recovered.

The examiners conclude that the location within less than a mile of producing mines of unstated importance, the presence of the Wind River formation, the probable existence of buried valleys, and of faults, balance the unfavorable results of preliminary exploration, and with the Field Team they recommend that drilling be done conditional on settlement of the ownership. The property is within about 3 miles of the Vitro and Lucky Mc mines, but, according to a map, there are no mines in the intervening distance.

I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

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DMEA
RECEIVED MAY 21 1957

DATE	INITIALS	CODE
5/21	[illegible]	220
5/21	[illegible]	700

May 20, 1957

4644

Uranium

Uranium Research & Devel. Co.

Rim Claims Group

Fremont Co., Wyo.

$75,547.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

Field Team Report

5/7/57 5/15/57

d. [illegible] [x]

h. Approval [x]

Excerpt from Mr. Mittendorf's diary, Monday, May 13, 1957:

Mr. Harris, of the Uranium Research and Development Co. (DMEA-4644), phoned me from Denver. Before taking the call I made a quick review of the docket. I found that we had mailed him a letter on May 9 which told him we were withholding further action on his application until he could prove a clear title to the ground in question.

Harris is a lawyer, and he thought he had submitted sufficient documents in the form of his court transcript and legal opinions which, if closely read, clearly establish his rights in the property. He wanted to know if we had decided to defer further action on a straight agency policy of not going into anything where there is an apparent conflict of title, or if we had decided to defer the case only after a careful review of the documents which he had presented.

I told him I presumed that the Solicitor's office had reviewed the docket, but that I felt that their final decision might have been based on a Departmental policy of not entering into any project where there is a conflict of title. He was quite disturbed over our decision because he said the other people had achieved their purpose in blocking further DMEA consideration of his application.

I suggested that he might wish to explore the possibilities of furnishing a performance bond. He did not wish to take that course because, he said, in his first DMEA contract he furnished a performance bond, and the bonding company made him put up a deposit in cash amounting to 80 percent of the Government participation. He said he believed the bonding houses were tough because his company is a small one with limited capital. He wants to get along with the exploration of the property because he believes it is the most promising one in the Gas Hills area. Before exploring other avenues of financing, he desired the privilege of talking with Rubin. I gave him Rubin's extension.

I alerted Rubin regarding my conversation with Harris and of the pending phone call.

Later Rubin reported back to me that he had a very enjoyable conversation with Harris and he was able to make one constructive suggestion - that is, that Harris might seek an agreement with his "opponents" to the effect that either party's rights, as finally adjudicated by the Appellate Court, would have no bearing on the DMEA contract. I presume this is tantamount to getting some sort of subordination agreement from the other party in case the courts should decide in his favor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 10 1957

DATE	INITIALS	CODE
5/10	C	220
	esf	130
5/16		220
	~~Murphy~~	~~700~~
	Cling	700

May 8, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4644 (Uranium) Uranium Research and Development Company (Rim Claims Group) Fremont County, Wyoming

Enclosed are the original and three copies of the Joint Report of Examination on the subject property by E. O. Binyon, USBM, and Walden Pratt, USGS.

The field examiners conclude that the probability for making a significant discovery is sufficiently promising to justify Government participation. Accordingly they recommend that the Applicant's work proposal be approved as modified by them to which the Field Team concurs.

You will note from page 6 of the report that litigation as to the property rights to the Rim Claims is expected to be carried to a higher court if necessary; therefore, it appears that the property will be involved in litigation for sometime to come. If this be the case, the Consent To Lien and Subordination Agreements, necessary from Mountain Mesa Uranium Corporation and the Rim Group, may be deferred. This is; likewise, true for the Power of Attorney which would be required from the other two members of the joint venture.

Also enclosed are nine extra copies of Figure 2 for possible use in the preparation of the contract.

As agreed, we will appreciate the Legal Section of the Washington Office preparing all necessary Forms MF-205, CONSENT TO LIEN and SUBORDINATION AGREEMENT, as well as the Power of Attorney, for our forwarding to the proper persons.

E. N. Harshman

E. N. Harshman
Acting Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
(Initials)

ON-SITE EXAM. REPORT

DMEA

DEPARTMENT OF THE INTERIOR

MAY 7 - 1957

REGION III

DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
May 7, 1957

REGION III

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: A. S. Konselman
E. N. Harshman

Subject: Docket DMEA 4644 (Uranium) Uranium Research and Development Company, (Rim Claims group), Fremont County, Wyoming--Joint Report of Examination

We enclose original and 9 copies of Joint Engineering and Geological Report on subject property, by E. O. Binyon and Walden P. Pratt.

Uranium Research and Development Company applied on February 12, 1957, for DMEA assistance in exploring for uranium on the Rim group of unpatented mining claims in Fremont County, Wyoming. The applicant proposed to explore the upper facies of the Wind River formation, which underlies the claims, by a two-stage drilling program aggregating 63,000 feet of non-core drilling to be done at an estimated cost of $75,547.00

The Rim group claims were examined on March 19, 1957. The examining team concluded that the claims warranted exploration and that significant deposits of uranium ore might be found. This conclusion was based on geologic features such as: the presence of the Upper Wind River formation, buried valleys in the early Eocene erosion surace which underlies the claims, and faults in the Wind River formation, which are present on the claims.

To better explore the claims the examining team recommends a two-stage drilling program comprising 230 holes that will require 57,500 feet of drilling and cost an estimated $54,529.75. Government participation at 75 percent will be $40,897.31.

We concur in the examining team's recommendation that DMEA aid for this program be approved.

A. S. Konselman
A. S. Konselman
Mining Engineer

Original signed by
E. N. HARSHMAN
E. N. Harshman
Member Field Team

Reviewed by
DMEA OPERATING COMMITTEE
5/15/57
(date)

TRANSMITTED
MAY 8 1957

ASK:jg
Enclosure

cc: 9
DMEA 4644
Harshman
Chron.

FOR UNITED STATES GOVERNMENT USE ONLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

JOINT REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

RECEIVED
DATE

DMEA 4644

URANIUM RESEARCH AND DEVELOPMENT COMPANY

Rim Claims Group

Fremont County, Wyoming

TRANSMITTED
MAY 8 1957

Uranium

Joint Engineering and Geologic Report

Reviewed by
DMEA OPERATING COMMITTEE
5/15/57
(date)

By

Walden P. Pratt
Geologist
Geological Survey

E. O. Binyon
Mining Engineer
Bureau of Mines

May 1957

DMEA 4644

URANIUM RESEARCH AND DEVELOPMENT COMPANY
RIM CLAIMS GROUP
FREMONT COUNTY, WYOMING

CONTENTS

Joint Engineering and Geologic Report — Page

Summary 1
Introduction 2
Acknowledgments 2
Location, Topography, and Physical Features 3
Ownership 4
History and Production 6
Present Status 6
Ore Reserves 7
Geology 7
General Features 7
Ore deposits 8
Geologic Basis for Exploration 9
Applicant's Project Proposal 11
Recommended Exploration Program 13
Estimated costs 14
Conclusions and Recommendations 18

ILLUSTRATIONS

Figure — Follows Page

1. Location map, Uranium Research and Development Company, Rim group, Fremont County, Wyoming, DMEA 4644 3
2. Claim map showing proposed drill holes, Uranium Research and Development Company, Rim group, T. 33 N., R. 89 W., Fremont County, Wyoming 18
3. Geologic map of part of east Gas Hills uranium district, Wyoming, Uranium Research and Development Company 18
4. Part of east Gas Hills uranium district, Wyoming, showing location of Rim group claims and known deposits 18

DMEA 4644

URANIUM RESEARCH AND DEVELOPMENT COMPANY
RIM CLAIMS GROUP
FREMONT COUNTY, WYOMING

SUMMARY

Uranium Research and Development Company, of Denver, Colorado, has applied for assistance in exploring for uranium on a group of 42 claims in the eastern Gas Hills, Fremont County, Wyoming. The area is underlain by the upper facies of the Wind River formation, which contains known unoxidized uranium ore deposits within a few miles northeast, southeast and southwest of the claims.

The applicant proposes to explore the entire upper Wind River formation, whose thickness ranges from 100 to 400 feet, in a two-stage program consisting of 63,000 feet of non-core drilling, at an estimated total cost of $75,547.00. After visiting the property, and discussing it with H. D. Zeller of the Geological Survey and with E. W. Grutt, Jr., and R. G. Lindlof of the AEC, the examining team concluded that exploration is warranted, essentially as proposed, and that the property has a very good potential for a significant discovery. This conclusion is based on the presence of the upper Wind River formation, buried valleys in the early Eocene erosion surface which underlies the claims, faults in the Wind River formation on the claims, and small concentrations of uranium minerals exposed in two places on the surface and in six drill holes. The examining team recommends approval of a two-stage non-core drilling program consisting of 230 holes aggregating 57,500 feet, at an estimated cost of $54,529.75. Government participation at 75 percent is $40,897.31. This recommendation may, however, be affected by the likelihood of litigation over property rights.

INTRODUCTION

Uranium Research and Development Company, 209 Denham Building, Denver, Colorado, applied to the Defense Minerals Exploration Administration on February 12, 1957, for assistance in exploring for uranium on the Rim group of unpatented mining claims. The claims are in parts of secs. 8, 9, and 17, T. 33 N., R. 89 W., sixth principal meridian, Fremont County, Wyoming. In its application the company requests the Government to participate in a two-stage non-core drilling program, comprising 63,000 feet of drilling, at an estimated over-all cost of $75,547.00. The applicant mentions the probability of some core drilling under Stage II of the program. The proposed program is designed to explore for uranium in the entire thickness of the upper Wind River formation.

The property was examined on March 19, 1957, by Walden P. Pratt, geologist, U. S. Geological Survey, and E. O. Binyon, mining engineer, U. S. Bureau of Mines, in company with Ralph L. Erickson, geologist for the applicant. The potentiality of the property was discussed with H. D. Zeller, geologist, U. S. Geological Survey, and with E. W. Grutt, Jr., and Raymond G. Lindlof of the AEC in Casper, Wyoming. All three were agreed that exploration is warranted.

ACKNOWLEDGMENTS

The examining team was conducted over the property by Ralph L. Erickson, geologist for the applicant. Special acknowledgment is given to H. D. Zeller of the U. S. Geological Survey for helpful information on Gas Hills geology, and to E. W. Grutt, Jr., and Raymond G. Lindlof of the Casper, Wyoming office of the AEC for information on Gas Hills uranium deposits.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Rim claims are in the eastern Gas Hills approximately 60 miles east of Riverton, Wyoming (fig. 1). Of the 42 contiguous claims that constitute the Rim group, 9 full claims and small fractions of 5 others are in section 9; 15 claims, excluding the fractions mentioned, are in section 8; and the remaining 18 claims with the exception of parts of nos. 18, 23, and 28 (which are partly in section 8) are in sec. 17, T. 33 N., R. 89 W., sixth principal meridian, Fremont County, Wyoming (fig. 2). The nearest sizeable community and a center for supplies and labor is Riverton (fig. 1). The property is most accessible from the south (or from Rawlins via U. S. Highway 287) via the new Lost Creek road. To reach the property by this route, go 1/4 mile west from Split Rock on U. S. Highway 287, then turn right onto the Lost Creek road and continue for 28.2 miles, take the right-hand fork and go through the Lucky Mc camp. Then take the middle road and continue for 2.3 miles to a junction, bear right and continue for 0.9 miles to the southern end of the property.

For equipment, supplies, and labor, the property is centrally located, being approximately 60 miles east of Riverton, 108 miles by road west-southwest of Casper, and approximately 78 miles north of Rawlins.

Relief in the claim area is moderate to low, with a maximum altitude of 6,900 feet on the easternmost claims and a minimum of 6,620 feet at the northwestern and southwestern corners. The area is cut by a few draws which produce a gently rolling topography with a general slope to the west-southwest.

Vegetation is sparse and consists of sage, grasses and cacti. There is no timber or water on the property; however, a small reservoir known as Iron Springs is located immediately west of the western claim boundary. Some water is available at this spring, but water for domestic use and for the drills would have

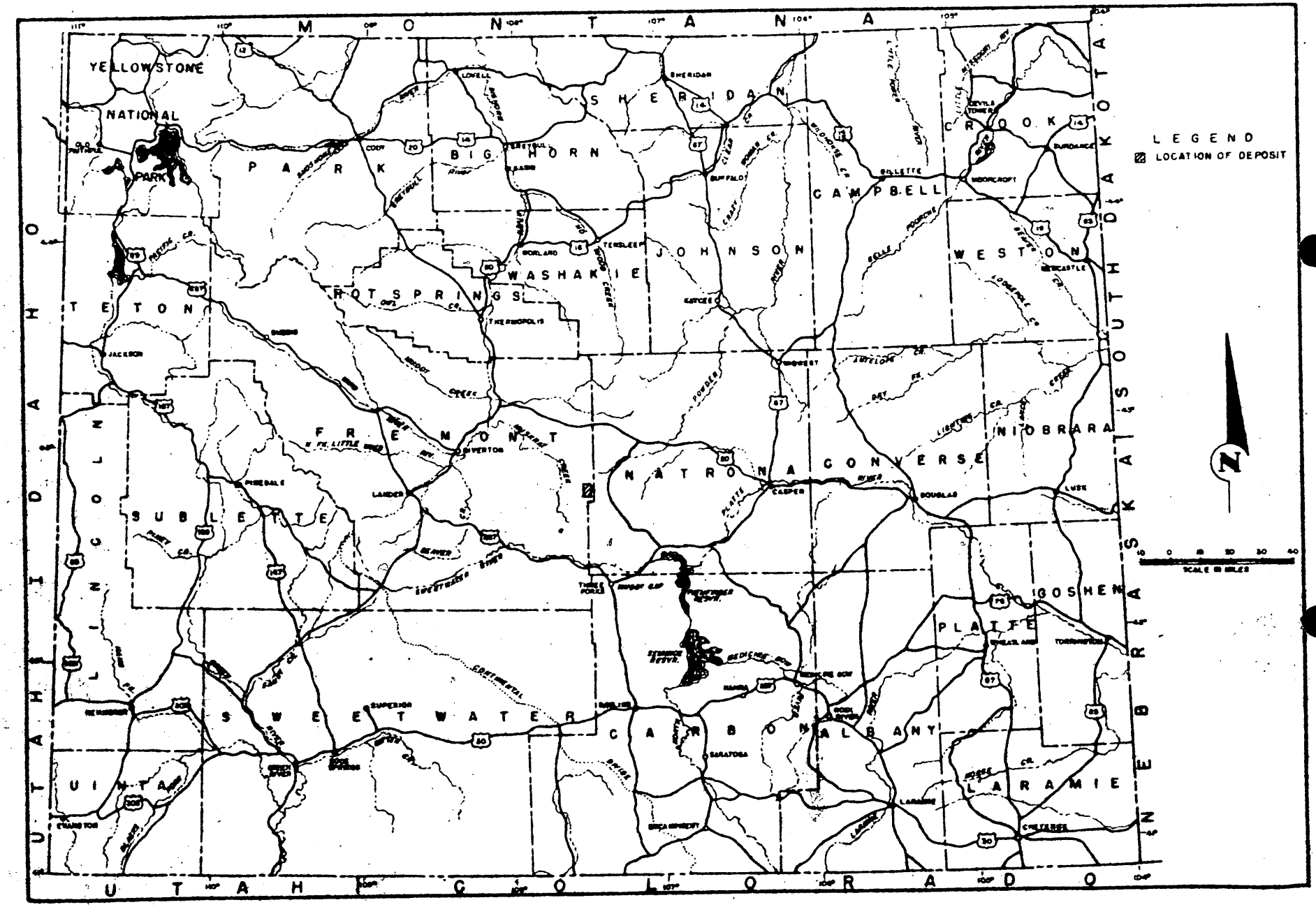


FIGURE 1 - LOCATION MAP, URANIUM RESEARCH AND DEVELOPMENT COMPANY, RIM GROUP
FREMONT COUNTY, WYOMING DMEA 4644

to be hauled from a more distant source. No electric power is available, and gasoline- or diesel-driven equipment will have to be used for the exploratory work.

The climate is marked by fairly hot and dry summers and sub-zero weather for short periods during the winter. Heavy snow-falls occur in the winter and early spring, and make travel over all but the main roads difficult and sometimes impossible. Work can be carried on for most of the year, except for short periods of sub-zero weather or when snowfall is heavy.

OWNERSHIP

The 42 mining claims comprising the subject property are held, through location, by the Rim Group, a joint mining venture, of Lander, Fremont County, Wyoming. The Rim Group leased the claims on December 7, 1956, to Rocket Mining Company, a Utah Corporation. On the same date it made an agreement with Mountain Mesa Uranium Corporation, a Wyoming Corporation, whereby a certain portion of the royalty to be received from Rocket Mining Company would be paid Mountain Mesa Uranium Corporation; the Mountain Mesa concern was granted the right to lease the claims on the same terms as were given the Rocket Mining Company, in the event the latter company forfeited its lease.

Rocket Mining Company became part of a mining joint venture, by agreement dated February 8, 1957, in which Western Uranium Corporation, a South Dakota Corporation, and Uranium Research and Development Company, a Colorado Corporation, participated. Each participant contributed certain holdings, of which the contribution by Rocket Mining Company included the subject 42 claims. The interests held in the mining joint venture are: Rocket Mining Corporation 60 percent; Western Uranium Corporation 24 percent; Uranium Research and Development Corporation 16 percent. The latter concern has filed the subject

application on behalf of the mining joint venture, and has been designated as working operator. Appropriate powers of attorney, giving Uranium Research and Development Company formal authority to act, are to be provided if the application is approved.

The claims were checked as to location and recording at the County Recorder's office in Lander, Wyoming, and were found to be filed as follows:

Claim No.	Book	Page	Date Located
Rim 1-9	117	188-196	10/19/53
Rim 16-23 and 26-30	117	197-209	10/19/53
Rim 34, 35, 39, 40	117	210-213	10/19-20/53
Rim 44-59	117	214-229	10/20/53 (Rim 47 located 10/31/53)

All claims with the exception of Rim Nos. 58 and 59 are included in the application. Rim 58 and 59 are excluded because of litigation, and doubt as to their ownership. The area of the 42 claims included in the application is approximately 746 acres.

Prior to the examination, Riverton Uranium Corporation filed a suit claiming title to the Rim claims. At the time of the examination, the examining team was informed by the applicant's attorney that a court ruling, to be handed down Friday, March 22, 1957, would either throw out the suit thereby ruling in favor of the applicant and against Riverton Uranium Corporation, or permit the action to continue, which action would involve the applicant in litigation over their rights to the property. On March 25 or 26, 1957, Ralph L. Erickson informed the team that the court had thrown out the suit, and stated that by this action the applicant's rights to the property had been established.

Albert A. Dillon, attorney and president for Riverton Uranium Corporation et al., the plaintiff in the above case, informed the Executive Officer by a letter (received March 28, 1957) that Riverton Uranium Corporation still claimed title to the Rim claims, and that the case would be carried to a higher court if necessary. This action would involve the property in further litigation and creates some doubt as to rights of the applicant to the property. It is suggested that the title to the property and rights of the applicant pertaining to the Rim claim group be clarified.

HISTORY AND PRODUCTION

The claims were located in October 1953, and shortly thereafter two pits were excavated on anomalies on the Rim 35 and 59 claims. It is reported that a small amount of oxidized ore was produced, but this could not be verified and no figures on this production are available.

PRESENT STATUS

No mining is being done on the property at present. Exploration work to date consists of 17 holes ranging in depth from 70 to 120 feet and drilled on the Rim 5, 30, 35, and 55 claims. Assays of samples from holes 1, 2, 3, and 6 on the Rim 35 claims are listed below.

Hole No.	Depth (feet)	U_3O_8 (Percent)	eU_3O_8 (Percent)
35-3	90-94	0.025	0.018
	94-96	0.035	0.014
	96-98	0.035	0.020
35-2	80-84	0.037	0.028
	84-86	0.028	0.020
	86-88	0.037	0.010
	88-90	0.041	0.018
35-1	93-95	0.016	0.016
	95-97	0.051	0.046
	97-99	0.089	0.082
35-1	99-101	0.007	0.023

Hole No.	Depth (feet)	U_3O_8 (Percent)	eU_3O_8 (Percent)
35-1 (cont.)	102-104	0.115	0.068
	103-105	0.061	0.044
35-6	101-103	0.045	0.040
	103-105	0.048	0.040

Several holes, 10 feet in depth, were drilled to outline the anomaly on the Rim 59 (not included in the application); the results, however, are not known.

No mining or milling equipment or other facilities are on the property.

ORE RESERVES

No ore reserves have been developed on the Rim claims to date.

GEOLOGY

General Features

The Rim claims are in the eastern Gas Hills, in an area of rolling hills underlain by the upper, coarse-grained facies of the Wind River formation of early Eocene age. The lower facies of the Wind River formation is absent in this area. The upper facies dips gently southward and rests unconformably on folded Mesozoic sedimentary rocks. Its thickness ranges from about 100 feet to about 400 feet. The early Eocene erosion surface, which has been partly stripped of its Tertiary cover west of the Rim group, consists of a series of alternating ridges and valleys cut in formations that dip north and strike west-northwest (fig. 3). The ridges and valleys continue southeastward beneath the upper Wind River formation, and hence largely determine the local variations in thickness of the formation; this extension of the old topography is corroborated locally by drill hole data. The upper Wind River formation is cut by numerous faults, visible on the surface as alignments of saddles, iron-stained outcrops, drainage, or vegetation, and locally confirmed by drill hole data or exposure in pits. Most

of the faults trend west-northwest, parallel to the strike of the Mesozoic formations. The displacement on some faults is on the order of 10 to 20 feet, but on many the amount of displacement is not known.

Ore deposits

Several unoxidized uranium ore deposits occur in the upper Wind River formation within a 2-1/2-mile radius southeast of the Rim group, and the Lucky Mc, Vitro, and Lost Creek deposits are about 3-1/2 miles southwest (fig. 4). All are blanket-type bodies consisting principally of uraninite and/or coffinite intimately mixed with pyrite, filling pore spaces and in part replacing grains of siltstones and sandstones. The known deposits are at depths ranging from 35 to 400 feet below the surface. Extensive drilling has shown that particular beds tend to be lenticular and discontinuous, and that ore mineralization may be discontinuous and erratic within any given bed; therefore specific horizons cannot be designated as particularly favorable for exploratory purposes, although the upper facies as a whole has a good potential for the discovery of uranium ore deposits.

In addition to coarse grain of the sediments, two other factors are thought to be possible controls of uranium mineralization in the Gas Hills: valleys in the erosion surface on which the Wind River formation was deposited, and faults in the Wind River formation. Preliminary work by H. D. Zeller indicates that the principal uranium deposits are underlain by valleys in the pre-Wind River erosion surface, although the deposits may be at any horizon above the valleys and are not necessarily within the closure of the valleys, i.e., below the level of the adjacent ridges. Faults in the Wind River formation acted as controls in that the impermeable gouge produced on them may have acted as a barrier to

solutions moving laterally, thus localizing mineralization on one side. The distance to which this control extended from the faults is not known, but it is safe to generalize that an area in which the Wind River formation is cut by faults is more favorable for exploration than an area in which it is not.

GEOLOGIC BASIS FOR EXPLORATION

Four features of the Rim group area make it highly favorable for exploration for unoxidized uranium ore deposits: (1) the presence over the entire area of the upper Wind River formation, which contains minable ore bodies in other areas near the claims: (2) the presence of buried valleys in the early Eocene erosion surface under the claims; (3) the presence of faults in the Wind River formations on the claims; and (4) the presence of small concentrations of uranium minerals in at least two places on the claims, and of uraniferous horizons known from six drill holes on one of the claims.

The general favorability of the upper Wind River formation, and its occurrence in the Rim group area, have been discussed above under "Ore Deposits". The presence of this formation constitutes the basic justification for exploration.

The general configuration of the pre-Wind River erosion surface beneath the claims can be inferred by projecting southeastward the ridges and valleys exposed northwest of the claims; the Frontier sandstone, Mowry shale, and Cloverly formation form ridges, and the Frontier and Thermopolis shales form valleys. Thus the claims are underlain by several buried valleys, which are possible ore controls as discussed above.

The southern part of the Rim group contains several linear features interpreted as faults. They are discernible on the surface and on aerial photographs as alignments of saddles, of iron-stained sandstone outcrops, or of drainage, and in a few places can be seen to have displaced marker beds as much as 30 feet. A few other faults have been proved by seismic surveys.

Two pits have been dug to explore two surface radioactivity anomalies on claims nos. 35 and 59 (fig. 3). They are respectively 15 and 5 feet deep, and expose coarse-grained sandstones with a few black seams of radioactive carbonaceous material; the black seams in the 5-foot pit on claim no. 59 gave an average reading of 1.0 mr/hr on a Geiger counter. The applicant drilled 17 holes on claims nos. 5, 30, 35, and 55 (fig. 3), to depths of 70 to 120 feet. In six holes on the northern part of claim no. 35, mineralized sections 2 to 12 feet thick, in the unoxidized zone, assayed 0.025 to 0.115 percent U_3O_8. Results of drilling in this and the other areas are summarized below:

Claim No.	No. of holes	Depth (feet)	Results
5	3	75-105	Negative
30	2	70	Lost circulation at 70' did not penetrate unoxidized zone
35	7	105-120	6 holes mineralized in unoxidized zone, 0.025 to 0.115 percent U_3O_8
35	3	70-105	Negative; 2 holes did not penetrate unoxidized zone
55	2	120	Low-grade mineralization at 0-60' (oxidized zone)

The examining team feels that these four features the upper Wind River formation, buried valleys, faults, and known uranium mineralization constitute ample justification for the proposed exploration on the Rim claims, and that the area has a very good potential for a significant discovery. This opinion is shared by Messrs. Grutt and Lindlof of the AEC in Casper, Wyoming, and even more enthusiastically by H. D. Zeller of the Geological Survey, who believes that this is at present the most favorable area for exploration in the east Gas Hills.

The applicant cites surface radioactivity anomalies, and abnormal concentration of uranium (270 ppb) in the water at Iron Spring Reservoir, as further justification for the exploration program. The examining team is inclined to disregard the anomalies because experience elsewhere in the Gas Hills has shown that surface anomalies may be caused by low-grade uranium minerals in the oxidized zone and are not necessarily related to ore bodies in the unoxidized zone. The high concentration of uranium in the water is undoubtedly related to uranium in the sediments and may give minor support to the general justification.

APPLICANT'S PROJECT PROPOSAL

The applicant proposes to explore the property with a two-stage non-core rotary drilling program consisting of 31,500 feet of drilling in Stage I and approximately 31,500 feet in Stage II, or a total of 63,000 feet at an estimated cost of $75,547.00. In the application the estimated cost is $86,834.00, and in the geologic report the costs are shown as $42,450.00 for Stage I and $40,000.00 for Stage II or a total of $82,450.00 for the project. The applicant does not explain the discrepancies between the costs, and in this report the breakdown of costs showing the total of $75,547.00 is used.

The applicant states that work can be started in 15 days and estimates the time for completion of the project at 6 months.

A breakdown of the applicant's estimated cost is as follows:

Stage I

Independent Contracts:

Bulldozer-15 minutes per drilling site (126) at $13/hr. 31.5 hours	$ 409.50	
Total Independent Contracts		$ 409.50

Labor, Supervision, and Consultants:

Supervision Geologist 1/2 time at $800.00 per month for 3 mos.	$ 1,200.00	
Field geologist full time at $500.00 per month for 3 mos.	1,500.00	
Field expenses for geologist $300.00 per month for 3 mos.	900.00	
Total Labor, Supervision and Consultants		$ 3,600.00

Operating Materials and Equipment:

Radiometric probes for holes (estimated use allowance $0.02/ft.)	$ 630.00	
Operating Equipment: Drilling rig (Mayhem 1,000), water truck, jeep truck, jeep station wagon, and all personnel, fuel, power drill steel, bits and other equipment necessary to drill Phase I to be furnished by Western Uranium Corporation (a co-leaseholder). Suggested use allowance - $1.00 per foot - 31,500 feet	$31,500.00	

Miscellaneous:

Assays (252 assays or 2 per hole at $5.00/assay	$ 1,260.00	
Contingencies:		
Computed at 1.0 percent of cost	$ 374.00	
Total		$37,773.50

Stage II

Stage II is estimated to cost approximately the same as Stage I. Some coring will probably be necessary so that less footage will be drilled for the Stage II cost.

RECOMMENDED EXPLORATION PROGRAM

The two-stage program outlined by the applicant is acceptable except for cost and will adequately explore the property. For Stage I, 126 holes are to be spaced on 500-foot centers, except for the 2 northernmost holes on Rim No. 46, the hole on Rim No.44, and 2 holes on the south side of Rim No.34, which are spaced 400 feet from other holes in order to stay at least 100 feet from property boundaries (fig. 2). Stage I hole depths will range from approximately 100 feet in the northwestern part to 400 feet in the southeastern part of the claims, and will have an average depth of 250 feet per hole, resulting in a total of 31,500 feet of drilling for this stage.

Assuming that 20 percent, or 26 holes, of Stage I will be mineralized, and allowing 4 offset holes for each mineralized hole, the total number of holes to be allowed under Stage II is 104 at an average depth of 250 feet or 26,000 feet of drilling for Stage II. The totals for both stages are 230 holes and 57,500 feet of drilling.

The depth to the pre-Wind River erosion surface is expected to range from 100 to 400 feet, and to average 250 feet. No holes are to be drilled more than 5 feet below the base of the upper Wind River formation.

In the cost estimate submitted by the applicant, it was assumed that the Western Uranium Corporation, a member of the mining joint venture with a 24 percent interest in the venture, was to do the drilling at $1.00 per foot. However, three bids from independent drilling contractors, submitted by the applicant April 16, 1957, were all lower than Western Uranium's price. The lowest bid of the three was from Janssen Drilling Co., Riverton, Wyoming, and averaged $0.78 per foot for 250-foot non-core rotary holes. This is the price per foot used in the estimated cost of the recommended program.

It is assumed that two rotary drill rigs are to be used and, on the basis of 250 feet per rig per day for a 26-day month, 57,500 feet of non-core rotary drill holes require 4-1/2 months for completion. An additional 1/2 month is allowed for preparation of the final report making a total of 5 months for completion of the project.

Estimated Costs

Stage I and Stage II:

Independent Contracts:

230 non-core holes--depth 250 ft. 57,500 ft. at $0.78 per foot	$44,850.00	
Bulldozer-15 minutes for 80 percent of holes of 184 drill sites-46 hours at $13.00 per hour	598.00	
Standby time for probing through rocks and miscellaneous contingencies 58 holes at 30 minutes per hole- 29 hours at $10.00 per hour	290.00	
Total Independent Contracts		$45,738.00

Incidental Allowances

Labor Supervision and Consultants:

Supervising Geologist 1/4 time-$650.00/mo. for 1-1/4 months	$ 812.50	
Field Geologist full time-$600.00/mo. for 4 1/2 months	2,700.00	
Sampler at $400.00/month 4 1/2 mos.	1,800.00	
Total Labor Supervision & Consultants		$ 5,312.50

Operating Materials and Supplies:

Sample sacks 500 at $10.00/M	$ 5.00	
Office and drafting supplies at $30.00 for 5 mos.	150.00	
Total Operating Materials and Supplies		$ 155.00

Operating Equipment:

Radiometric probing equipment and recorded-$1,500.00 value-1/60 of $1,500 = $25.00/mo. for 4 1/2 mos.	$ 112.50	
Jeep transportation 15,000 miles at $0.07 per mile	1,050.00	
Total Operating Equipment		$ 1,162.50

Rehabilitation and Repairs: None

New Buildings Improvements Installation: None

Miscellaneous:

Accounting-$50.00/mo. for 5 mos.	$ 250.00	
Insurance, taxes etc., 5 percent of $5,312.50	265.62	
Sub Total		$ 515.62
Analyses 345 samples (30 percent of holes at 5 samples per hole for U_3O_8 and V_2O_5 at $4.50 per sample	$ 1,552.50	
Total Miscellaneous (less analyses)		$ 515.62

Contingencies:

5 percent of 1,833.12 (rounded)	$ 91.65	
Total Incidental Allowances (less analyses)		$ 7,237.27
Incidental Allowances per foot $0.1259		
Analyses		$ 1,552.50
Total Stage I and Stage II		$54,527.77
Government participation at 75 percent		$40,895.83

Stage I

Independent Contracts:

Non-core rotary drilling-126 holes, depth 250 ft., 31,500 feet at $0.78 per foot	$24,570.00	
Bulldozer-15 minutes per drill site, 101 sites or 25 1/4 hours at $13.00/hr.	328.25	
Standby time for probing through rocks and miscellaneous contingencies 32 holes at 30 minutes per hole-16 hours at $10.00 per hour	160.00	
Total Independent Contracts		$25,058.25

Incidental Allowances:

31,500 feet at $0.1259	$ 3,965.85

Analyses:

190 samples for U_3O_8 and V_2O_5 at $4.50 per sample	$ 855.00
Total Stage I	$29,879.10
Government participation at 75 percent	$22,409.33

Stage II

Independent Contracts:

Non-core rotary drilling-104 holes depth 250 ft., 26,000 feet at $0.78 per foot	$20,280.00	
Bulldozer - 15 minutes per drill site 83 sites or 20 3/4 hours at $13.00/hr.	269.75	
Standby time for probing through rocks and miscellaneous contingencies 26 holes at 30 minutes per hole 13 hours at $10.00 per hour	130.00	
Total Independent Contracts		$20,679.75

Incidental Allowances:

26,000 feet at $0.1259 per foot	$ 3,273.40

Analyses:

155 samples for U_3O_8 and V_2O_5 at $4.50 per sample	$ 697.50
Total Stage II	$24,650.65
Government participation at 75 percent	$18,487.99

Summary of Costs

	Number of holes	Footage	Total Cost
Stage I	126	31,500	$29,879.10
Stage II	104	26,000	24,650.65
Totals	230	57,500	54,529.75

Samples should be taken at 2-foot intervals and should be collected in a Duclone or similar type of sampling device.

All holes should be probed immediately after completion and should be paid for on the basis of the probed footage. Two copies of the radiometric probe logs and 5 copies of the lithologic logs should be submitted with the monthly reports. One copy of the driller's invoice and log of holes, as well as an

invoice covering any independent contract work such as dozing time, should be submitted with the monthly reports.

A map (5 copies) showing location, collar elevations and elevation of mineralized horizons of the holes should be submitted with each monthly report.

CONCLUSIONS AND RECOMMENDATIONS

The examining team concludes that the Rim claims have a very good potential for a significant discovery of uranium ore, because of the presence of the upper Wind River formation which is known to contain uranium ore bodies within a few miles of the claims, and of buried valleys, faults, and small concentrations of uranium minerals on the claims. Approval of a two-stage exploration program for 57,500 feet of non-core drilling, at an estimated cost of $54,529.75 (Government's share $40,897.31), is recommended.

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

Rubin
Hoffland
5/9 Ellis 700
Johnson 110
~~100~~
220

MAY -9 1957

Mr. Robert L. Harris, President
Uranium Research and Development Co.
209 Denham Building
Denver 2, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

Thank you for your letter of April 23, 1957, enclosing a letter dated April 20, 1957, to you from your counsel, with the enclosures listed therein, pertaining to the ownership of the land which is the subject of your company's application for exploration aid.

In view of the appeal by the Riverton Uranium Corporation from the Order of the District Court, Fremont County, Wyoming, adjudging the rights of the Rim Group, a Joint Venture, superior to the rights of Riverton Uranium Corporation et al., it is regretted that we must defer any further consideration of the application until the appeal is determined.

As you know from our earlier correspondence, this Administration requires that an applicant have, preserve, and maintain a sufficient interest in land for the purposes of an exploration project. As title to the land is in litigation, it would be presumptuous of us to anticipate the decision of the appellate court. We shall be pleased to give further consideration to your application after the appeal has been decided.

Sincerely yours,

C. O. Rinsendorf (for)

Administrator

HCRubin/emd X 2920
5/6/57
Copy to: DMEA Docket
Adm. Reading File
E. W. Ellis
T. H. Kiilsgaard
DMEA Field Team, Reg. III (2)
R. P. Dwyer
H. C. Rubin
chron
pending

Phone Call Tuesday

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/29	Ching	700
4/29	Ellis	700
		700

April 29, 1957

Memorandum

To: Associate Solicitor
Division of Mineral Resources

From: Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Subject: Property Rights
Docket No. DMEA-4644 (Uranium)
Uranium Research & Development Company
Rim Group Claims
Fremont County, Wyoming

Please review the legal papers furnished with Applicant's letter of April 23, in conjunction with the Administrator's letter of April 5, 1957, to the Applicant, and advise whether or not the latter's property rights are sufficient for the purpose of an exploration project.

Ernest Wm. Ellis

Ernest Wm. Ellis

Attachments

MCHing/dlm 4-29-57
cc to Mr. Ching
Admr.'s Reading File

8623

URANIUM RESEARCH AND DEVELOPMENT CO.
209 Denham Building
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED APR 25 1957

DATE	INITIALS	CODE
4-25	C	220
4/26	Chung	700

April 23, 1957

Mr. C. O. Mittendorf
Administrator
United States Department of Interior
Defense Minerals Exploration Administration
Washington, 25, D. C.

Re: Docket NO. ~~DMEA-4644 (Uranium)~~
Rim Group Claims
Fremont, County, Wyoming

Dear Mr. Mittendorf:

Pursuant to your letter of April 5, 1957 and our subsequent telephone conversation, I have secured and transmit to you herewith the documents referred to in the enclosed covering letter of Mr. W. J. Nicholas of the Law Firm of Smith and Nicholas, Lander, Wyoming.

Delay was caused by getting a copy of the transcript of testimony.

I believe the documents here presented and the excellent covering letter of Mr. Nicholas are self-explanatory in setting forth why we feel Riverton Uranium's contentions have no merit whatsoever.

Most pertinent, however, is the legally inescapable conclusion that even if Riverton Uranium were to prevail on appeal, which is highly unlikely, their only real recourse is against Mountain Mesa, and that the interest in the property is safe from attack.

As discussed on the phone, we are indeed anxious to proceed with exploration, and would appreciate any definitive action you may take on our application. We would be most happy to provide any further information to your office necessary to that end.

Yours very truly,

Robert L. Harris, President

RLH/ms

LAW OFFICES
SMITH AND NICHOLAS
FIRST NATIONAL BANK BLDG.
LANDER, WYOMING

W. A. SMITH
W. J. NICHOLAS

PHONE 607

April 20, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 25 1957

DATE	INITIALS	CODE

UREDCO
Attention: Robert Harris
209 Denham
Denver, Colorado

Dear Bob:

In response to your request, I am sending ~~you herewith~~ the following in the matter of the civil action entitled "The Rim Group, a Joint Venture, Plaintiff, v. Mountain Mesa Uranium Corporation, Riverton Uranium Corporation, et al, Defendants", of the District Court of Fremont County, Wyoming, involving litigation and quiet title of the Rim Group of Claims located in Secs. 8, 9, and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming:

Copy of the Petition and Summons Issued,
Copy of the Answer to the Petition filed April 30 by Riverton Uranium Corporation and its predecessor in interest,
Copy of the Judgment and Decree of January 3, 1957,
Motion to Vacate Judgment filed March 15, 1957, with exhibits (the first affidavit was never executed),
Copy of the Notice of Hearing on the Motion,
Copy of Affidavit of myself submitted to the Court and in the record,
Order filed March 26, 1957,
Order filed March 29, 1957, and a copy of the
Notice of Appeal (this notice was never signed but was served on us in Cheyenne).

Notwithstanding that you are somewhat familiar with the matters involved, I will make this letter more complete that you might transmit the same should you find it more convenient.

I am also enclosing a copy of the official transcript of testimony had and received at the hearing on the Motion to Vacate Judgment. You will note, the remarks of counsel made at that hearing are also included, and I particularly refer you to the remarks of the Court made at the beginning of page 120 of the transcript.

Our Wyoming Compiled Statutes, 1945, Sec. 3-7001, provide:

"An action may be brought by a person in possession, by himself or tenant, of real property, against any person who claims an estate, or interest in, adverse to him, for the purpose of

determining such adverse estate or interest."

The Rim Group of Claims were first located by the members of The Rim Group, a Joint Venture, in the fall of 1953. Some time in the spring of 1954 they entered into a lease arrangement with Metallics Unlimited, a co-partnership, and a written contract of that lease arrangement was executed some time in August of 1954. In September of 1954, Metallics Unlimited conveyed its entire assets including this lease to Mountain Mesa Uranium Corporation, a Wyoming Corporation. This office participated as attorney in these transactions. Some time in the spring of 1955, after we terminated our relationship as attorneys for Mountain Mesa Uranium Corporation, I am informed that Mountain Mesa entered into some farm out arrangement with San Juan Uranium Exploration, Inc., a Colorado Corporation, on the general terms that San Juan should operate the property, paying Mountain Mesa 25% of the net profit after royalty. Apparently then, some time in June or July of 1955, San Juan undertook to transfer its interest to Riverton Uranium Corporation, a Nevada Corporation, and its predecessors in interest. I understand that Riverton Uranium was willing to purchase San Juan's interest provided that San Juan might re-negotiate a more favorable arrangement with Mountain Mesa Uranium Corporation. Riverton Uranium Corporation claims that San Juan did in fact re-negotiate and consummate a favorable contract with Mountain Mesa Uranium Corporation, and, although it was never reduced to writing and formally executed and delivered, that it is in force and effect and that Riverton Uranium is entitled to enforce it as a third party beneficiary. Mountain Mesa has consistently denied that any re-negotiated contract was consummated with San Juan and also denies that the original contract with San Juan is in force and effect and that it has terminated by reason of San Juan's failure to perform certain provisions of the original contract. I also understand that Mountain Mesa commenced an action in the United States District Court of Wyoming to secure a judicial declaration of the termination of the original San Juan - Mountain Mesa agreement and to quiet title against Riverton Uranium Corporation. Apparently Riverton Uranium also has a suit pending in the same Court to have their interest in the Mountain Mesa - San Juan situations determined and to have themselves declared successors in interest of Mountain Mesa. In addition, the officers and individuals involved in those actions have apparently commenced actions against each other for slander, and for defamation of title, etc.

In any event, in March of 1956 this office commenced the civil action in the District Court here in Lander to quiet title against Mountain Mesa, San Juan, Riverton Uranium, and their predecessors in interest, on the grounds that none of them had complied with the original lease from The Rim Group, and that that lease had been defaulted, and terminated by its own terms.

At the same time this action was commenced, we also commenced another action in behalf of one Lawrence J. Bergsten against Mountain Mesa Uranium Corporation and San Juan involving certain claims located in the Green Mountain area. The Bergsten-Mountain Mesa lease was almost exactly the same words and figures as the Rim Group-

Mountain Mesa lease, and the history of the Bergsten lease was almost exactly the same as the history of The Rim Group lease. For those reasons, the two cases were handled very much in the same manner. In December of 1956, the Bergsten v. Mountain Mesa lawsuit was tried, the trial lasting some two days, at the conclusion of which the Court gave complete judgment in favor of the lessor and against Mountain Mesa Uranium Corporation and the other defendants. The Rim Group lawsuit was set for trial the next morning, but by reason of the favorable decision in the Bergsten case, we were able to negotiate a satisfactory settlement of the Rim Group case with Mountain Mesa, and we did so. In order to completely secure our position, we went in and took default judgment against the other defendants in The Rim Group case, none of them having appeared at trial.

Then on March 15, we received the Motion to Vacate Judgment filed by Riverton Uranium Corporation, claiming that it had not received notice of the trial, and therefore had not had opportunity to defend its claims, and that therefore the default judgment should be set aside and the matter reopened for trial. Without submitting any authority therefor, they insist they have a right to force Mountain Mesa to go in and defend (and probably lose) the action for them. From reading our settlement agreement, you will understand that all of Mountain Mesa's interests are merged therein and that even if the Court were to vacate the default judgment against Riverton Uranium there could be no action between Mountain Mesa and The Rim Group by reason that the Mountain Mesa settlement is binding on that interest. You will note in the testimony that Riverton Uranium Corporation has no knowledge of what may or may not have been done on the premises in performance of the lease, and that all that information is peculiarly within the knowledge of Mountain Mesa so far as they are concerned as defendants and without Mountain Mesa's position and evidence they could not hope to succeed in the trial.

Since the motion was decided in our favor, however, none of that is before the Court, and I presume the only questions you might have would be with respect to the merits of the appeal.

The only questions of law are so elemental I do not understand that anyone would require specific authority for them, although even in Wyoming there are many, many cases establishing the principles that a person having had an opportunity to appear and defend the action and particularly a person wilfully defaulting the same, has no recourse. It is a well established rule of law that a case has the burden of taking notice of the place of his case upon the docket and is charged with anything he may have gained therefrom. In this case, the facts are stronger than that, however, by reason that the case had been set for trial three times prior and each time Riverton Uranium Corporation had notice and as the Judge finds and places in the record, the Judge personally advised Riverton Uranium Corporation's attorney of the final trial setting and that attorney personally told the Judge he did not intend to appear and defend the trial. The evidence showed that within an hour or two prior to the time we took default against Riverton Uranium Corporation, I called the Judge on the telephone and told the Judge we intended so to do, at which time

Riverton Uranium Corporation's lawyer was sitting in the chambers with the Judge, and I overheard the Judge ask that attorney if he was going to default the matter, and I heard that attorney tell the Judge he was going to default the matter. In addition, that attorney did have lunch with Mountain Mesa's attorneys on that date and discussed the situation with them and also told Mountain Mesa's attorneys that he had been instructed by Riverton Uranium Corporation not to appear at the trial and to default it.

You will note we placed this attorney on the witness stand at the hearing and he evinced only a total lack of recollection of anything having to do with the matter.

There is no fact in this record upon which I can conceive even a remote possibility that the appeal would be successful. If Riverton Uranium Corporation does have a claim or right over or against Mountain Mesa Uranium Corporation, that is a matter strictly between those two companies, and does not in any wise involve The Rim Group. So far as the Rim Group is concerned, Riverton Uranium Corporation are complete strangers and I have no doubt the Court will sustain our contention.

I think the record as submitted to you here is self-explanatory in all the other regards. You may note that the affidavit prepared by Riverton Uranium to be signed by the Clerk of Court was not signed or sworn to by the Clerk of the Court and in fact the Clerk insists it is not correct and refused to sign it. You may also note in the transcript of testimony that the Judge on different occasions suggested and in fact requested the attorney for Riverton Uranium to put the Clerk on the stand to prove those matters if they were true, and that the attorney did not do so. Our Wyoming Compiled Statutes, 1945, Sec. 3-211 provides:

> "The Clerks of the District Court . . are hereby required to send by registered mail to all parties, or their attorneys of record, all contested cases in said courts, a copy of all orders . . . "

This being the statutory provision, it is first presumed that the Clerk did perform his duty, and upon the failure of any showing to the contrary, this presumption becomes conclusive.

If there is anything further you wish to make the record more complete (I have omitted several pages of the record involving other defendants - - I have included everything in the record involving Riverton Uranium Corporation), please feel free to call upon me and I will furnish the same to you forthwith.

Yours very truly,

W. J. Nicholas

W. J. Nicholas

wjn:vms

Enc's.

IN THE DISTRICT COURT
FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

THE RIM GROUP, A Mining Joint Venture,
Plaintiff,

vs.

MOUNTAIN MESA URANIUM CORPORATION, A Wyoming Corporation; SAN JUAN URANIUM EXPLORATION, INC., A Colorado Corporation; CHARLES M. COLEMAN; and RIVERTON URANIUM CORPORATION, A Nevada Corporation,
Defendants.

Civil No. 9062

COPY

FILED
APR 1 - 1957
Victor E. Dolton
CLERK DISTRICT COURT

NOTICE OF APPEAL

TO: THE RIM GROUP, A MINING JOINT VENTURE, PLAINTIFF, AND SMITH AND NICHOLAS, ITS ATTORNEYS:

You will please take notice that the defendant, Riverton Uranium Corporation, a Nevada Corporation, does hereby appeal from the whole of the Order of the District Court of Fremont County, Wyoming, in the above-entitled cause issued by said Court on the 26th day of March, 1957, and filed herein on the same said date, and the Order Nunc Pro Tunc of said Court made and filed herein supplemental to and in substitution of the first said Order above-mentioned, said Nunc Pro Tunc Order having been issued by this Court on the 29th day of March, 1957, and filed herein on the same said date.

RIVERTON URANIUM CORPORATION,
A Nevada Corporation, by its
Attorneys, Spence and Hill

By s/ T. S. Spence

I hereby acknowledge that a copy of the above Notice of Appeal was served upon me on March 30, 1957, as attorney for the above-entitled plaintiff.

SMITH AND NICHOLAS, Attorneys
at Law

By s/W. A. Smith

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture, Plaintiff vs. MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, A Nevada Corporation, Defendants	FILED Mar 26, 1957 Victor E. Dolenc Clerk District Court

ORDER

This matter coming on regularly for hearing on Motion to Vacate Judgment herein filed by Riverton Uranium Corporation, a Corporation, this April 22, 1957, at 9:00 o'clock A.M., the defendant Riverton Uranium Corporation, a corporation, being represented by counsel G. L. Spence and Kirkpatrick Dilling, and the plaintiff being represented by counsel Smith and Nicholas of Lander, Wyoming, and both parties having introduced testimony and evidence and having presented affidavits to the Court for its use, and the Court having heard arguments of respective counsel and being fully advised in the premises.

IT IS HEREBY ORDERED that the Motion to Vacate Judgment herein filed by Riverton Uranium Corporation, a corporation, be and the same is hereby denied;

Defendant Riverton Uranium Corporation, a corporation, excepts, which exception is hereby allowed.

Dated at Lander, Fremont County, Wyoming, this March 26, 1957.

BY THE COURT:

s/Franklin B. Sheldon
District Judge

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture, Plaintiff vs. MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation, Defendants	FILED Mar 29 1957 Victor E. Dolenc Clerk District Court

ORDER NUNC PRO TUNC

The above entitled matter coming on regularly for hearing on Motion to Vacate Judgment herein filed by the defendant, Riverton Uranium Corporation, a corporation, this 22nd day of March, 1957, at 9:00 o'clock A.M., the defendant Riverton Uranium Corporation being represented by counsel, Spence and Hill, of Riverton, Wyoming, and the plaintiff being represented by counsel, Smith and Nicholas, of Lander, Wyoming, and both parties having introduced testimony and evidence and having presented affidavits to the Court for its use in the determination of this matter, and this Court having heretofore issued its Order in this matter on the 26th day of March, 1957, said Order having been filed herein on the same said date and said Order reciting therein that the said defendant was represented by counsel, Kirkpatrick Dilling, and said Kirkpatrick Dilling not having appeared herein as counsel for the defendant, but as a witness for the defendant, and this Court determining that the within Order Nunc Pro Tunc ought to be filed herein to correct reveal the foregoing matter of representation of the defendant, and the Court having heard the arguments of respective counsel, and being fully advised in the premises, finds that the defendants Motion to Vacate Judgment ought to be denied.

IT IS THEREFORE ORDERED by the Court that the Motion to Vacate Judgment filed herein by Riverton Uranium Corporation, a corporation, one of the above named defendants, on the 15th day of March, 1957, be, and the same is hereby overruled and denied, to all of which Order of this Court the said defendant , Riverton Uranium Corporation, a corporation, at the time excepted, which exceptions

#9062.

are hereby allowed.

Dated at Lander, Fremont County, Wyoming, this 29 day of March, 1957.

BY THE COURT:

s/Franklin B. Sheldon
Judge

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture, Plaintiff vs. MOUNTAIN MESA URANIUM CORPORATION, A Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation, Defendants	)	FILED Mar 22 1957 Victor E. Dolenc Clerk District Court

THE STATE OF WYOMING)
) ss
County of Fremont)

AFFIDAVIT

W. J. Nicholas, being first duly sworn, on oath deposes and says:

That this affidavit is made and filed respecting matters set forth in the Motion to Vacate Judgment herein filed by Riverton Uranium Corporation, a Nevada Corporation, for use at the hearing on such motion;

That at all times during the conduct of above-entitled action and to the date of the filing hereof, this affiant has been one of the counsel representing the plaintiff, The Rim Group, a mining joint venture, and is also one of the joint adventurers member of the plaintiff joint adventure, all as shown by the files herein;

That the regular monthly printed and published docket of the District Court of Fremont County, Wyoming, Seventh Judicial District, printed and published under date May 18, 1956, under order of said Court, first set the above-entitled matter down for trial to be tried on June 14, 1956, at the hour of 9:30 o'clock A.M.; that pursuant to the applicable statute it is the practice of the Court and Clerk thereof to mail a copy of said published docket containing the settings to each of the attorneys of record involved in the matters set down, and to each of the attorneys named on said docket as representing the parties to the particular litigation, and, irrespective of their interest, to send a copy of said docket to each practicing attorney in Fremont County, Wyoming; that a copy of said docket containing aforesaid setting is marked "Exhibit A", attached hereto, herein incorporated by this reference and made a part hereof;

That thereafter, the defendant Mountain Mesa Uranium Corporation by its motion sought to vacate such setting, and such setting was vacated pursuant to order of this Court made May 25, 1956, and filed May 26, 1956, a copy of which order is filed herein;

That thereafter, this affiant as counsel for plaintiff did contact the attorneys for Mountain Mesa Uranium Corporation, the attorneys for San Juan Uranium Exploration, Inc., and the attorneys of record for defendants Riverton Uranium Corporation, and Charles M. Coleman, by telephone to attempt to arrange a stipulation among them that the matter might be re-set for trial and tried during the summer of 1956, it being the advice of the Court that the Court would not set any matters down for trial during the summer of 1956 except upon stipulation of the parties, this advice being occasioned by reason that the Court facilities in the existing Court House at Lander were not adequate to permit Court Room work during that summer in a manner in keeping with the dignity of the Court and that during that summer a new Court House and Court facilities in Fremont County were being constructed and the Court was in the process of making the preparations for, and transferring itself to, the newly constructed Court facilities in the new Court House; that counsel for Mountain Mesa Uranium Corporation at that time would not agree to stipulate for an early trial; that counsel for San Juan Uranium Exploration, Inc., stated it had no intention to appear at the trial and contest the same; that counsel of record for Riverton Uranium Corporation, a corporation, also stated it did not intend to appear at the trial or to contest the same, and that they would join any stipulation which might be obtained with Mountain Mesa Uranium Corporation for the reason that they were not interested;

Thereafter, and under the date September 14, 1956, the said Court did again promulgate, print and publish a trial docket, being the Court calendar for the month of October, 1956, which set the above-entitled matter down for trial before the Court to be tried on October 10, 1956, at the hour of 9:30 o'clock A.M., a copy of which is marked "Exhibit B", hereby referred to, made a part hereof and herein incorporated by this reference.

That on the afternoon preceding that second setting on October 9, 1956, counsel for Mountain Mesa Uranium Corporation requested the Court to consider this matter, at which time counsel for defendant Mountain Mesa Uranium Corporation and counsel for plaintiff discussed with the Court in chambers the pleadings, during which discussion plaintiff requested the Court for its leave to file an amended petition as against said defendant, which leave was granted by the Court; that on

the following mornign at the hour of 9:30 o'clock A.M. this affiant in behalf of palintiff appeared at the Court Room of the Court House in Lander, Wyoming, pursuant to the trial setting of this case, prepared for the eventuality that others of the defendants might appear, but that none of the defendants herein appeared at that time either in person, or by agent, or by counsel;

That the order granting plaintiff leave to file amended petition, setting time for defendant Mountain Mesa Uranium Corporation to answer, and time for reply, and also re-setting the matter down for trial on November 8, 1956, at the hour of 10:00 o'clock A.M., under the date October 9, 1956, was presented by this affiant to the Court for signature on October 23, 1956, and the same was filed with the Clerk on that date, together with sufficient copies for mailing to each of the defendants;

That it is the statutory requirement, direction of the Court, and the custom and practice of the Clerk of Court upon receipt of additional copies of filings to mail the same to each of the counsel of record at their usual addresses, which was presumably done in this instance;

That thereafter defendant Mountain Mesa Uranium Corporation filed a Demurrer; on November 7 plaintiff filed a Motion to Strike the Demurrer and for default of said defendant; and the matter came on regularly for hearing at the time of the trial setting, November 8, 1956, at the hour of 10:00 o'clock A.M., at which time the Court overruled the motion of plaintiff to strike and for default, and granted Mountain Mesa Uranium Corporation additional time within which to answer and again set the matter for trial to be tried before the Court on December 6, 1956, at the hour of 10:00 o'clock A.M.; that the following day, on November 9, 1956, this affiant did present to the Court for its signature a written order as above, and did present the same to the Clerk for filing together with six copies, which six copies were left with the Clerk of the Court for mailing to respective counsel for all parties, with the direction that any copies remaining should be left in the Court file;

That on December 6, 1956, at the time set for the trial, the Court was engaged in the trial of a case involving substantially the same counsel and parties defendant and very similar questions of law and fact, being Civil Case No. 9061; on request of counsel for direction of the Court, the Court advised that

this cause could not be reached until the following day at the hour of 10:00 o'clock A.M.; other than defendant Mountain Mesa Uranium Corporation, none of the other defendants appeared on December 6th; on the evening of December 6, and during the morning of December 7, it appeared to counsel for plaintiff and counsel for defendant Mountain Mesa Uranium Corporation that as between them this matter might be settled and compromised out of Court without the necessity for a trial; on the evening of December 6, counsel for plaintiff and for defendant Mountain Mesa Uranium Corporation called the Judge Presiding by telephone and advised him that the matter might be settled and requested that the trial be continued until 1:30 P.M., on December 7, in order to give further opportunity to negotiate a settlement and the Court advised that such continuance would be granted but that one of the attorneys should appear at 10:00 o'clock in the event any other of the defendants should appear at that time; that at 10:00 o'clock on the morning of December 7, this affiant did appear before the Court, but none of the defendants or counsel appeared at that time;

That later in the morning, and at approximately 10:30 o'clock, this affiant called G. L. Spence, one of the attorneys of record for defendant Riverton Uranium Corporation, on the telephone, and reached him at the office of the Clerk of the Court, and this affiant then inquired of said G. L. Spence if defendant Riverton Uranium Corporation intended to appear at the trial and contest the same and advised Mr. Spence that the matter was then set for trial at 1:30 o'clock that afternoon; at that time Mr. Spence advised this affiant that Riverton Uranium would not appear at the trial, and would not contest the same, and that default might be taken; at approximately 11:00 o'clock this affiant called the Presiding Judge on the telephone and advised him that a settlement was nearly complete but that it might not be formally completed by 1:30 o'clock, and that counsel G. L. Spence for Riverton Uranium Corporation had advised he would default the matter, and this affiant requested the Court's permission to continue the commencement of the trial until 2:30 o'clock that afternoon; the Trial Judge then advised this affiant that counsel G. L. Spence was presently in his chambers; this affiant then overheard the Presiding Judge ask Mr. Spence if he intended to appear at and contest the trial in behalf of Riverton Uranium Corporation, and overheard Mr. Spence personally advise the Judge that Riverton Uranium Corporation would not appear at or contest the trial and would default in the same;

Thereafter, and at 1:30 o'clock, W. A. Smith, one of plaintiffs counsel, and Edward E. Murane, one of counsel for defendant Mountain Mesa Uranium Corporation, appeared at the Court Room of the Court House, and there was no appearance made on behalf of any defendants other than Mountain Mesa Uranium Corporation, the Court declared all the defendants other than Mountain Mesa Uranium Corporation in default, and rendered in open Court judgment against all defendants except Mountain Mesa Uranium Corporation;

Thereafter such counsel returned to the law offices of counsel for plaintiff and completed negotiation and settlement of the litigation as between them, a copy of which settlement is marked "Exhibit C", attached hereto, incorporated herein by this reference and made a part hereof;

Thereafter this affiant prepared the Judgment and Decree in writing and submitted the same to the Court for its signature on January 3, 1957, and presented the same to the Clerk for filing together with sufficient copies to be mailed to each of the parties hereto;

That in preparing the Judgment and Decree adjudging the default of and judgment against the defendant Riverton Uranium Corporation, a corporation, this affiant used as a draft a copy of a similar judgment and decree rendered in the Case 9061 in October, and in so doing employed language which would have been more proper had the default been actually entered in October;

That the counsel of record for defendant Riverton Uranium Corporation are G. L. Spence and Frank Hill of Riverton; that although Frank Hill has signed instruments in the file on behalf of said defendant, Mr. Hill informed this affiant once in the late spring of 1956 and again March 15, 1957, that he had no active knowledge of the cause and that it was being handled prinicpally by Mr. Spence in the firm name;

That the lease agreement which is attached to and made a part of the settlement agreement between the plaintiff and defendant Mountain Mesa Uranium Corporation has been and was timely made, executed and delivered by all the parties thereto, and is presently in force and binding upon all the parties; that other than as is stated in said settlement agreement and in the lease agreement attached thereto, there is no communtiy of interest between this plaintiff and any of the defendants, or between any of the defendants and the lessee therein, Rocket Mining Corporation, a corporation; that since such time, said Rocket Mining Corporation, lessee, has entered into an agreement of joint venture with Uranium Research Development

Company, a corporation, and with Western Uranium Company, a corporation neither of which have any other community of interest with any of the parties hereto; that pursuant to said agreement said Rocket Mining Corporation and its co-adventurers have undertaken and are about to complete final negotiation and receive a loan from the Defense Minerals Exploration Administration of the United States Government in the allowable sum of $85,000.00 for exploration and development of the premises; that as shown by said lease, said lessee is obliged to commence activities on the property by April 1, 1957, and said lessee is without funds for development or exploration of that property except those which might be obtained from aforesaid loan and matching funds thereof; that the Field Investigative Team for the Defense Minerals Exploration Administration visited Lander on Monday, March 18, for the purpose of determining that the title to the property was satisfactory for the extension of such loan and advised this affiant that the pendency of the Motion to Vacate Judgment herein constituted a jeopardy of title such that the loan could not be extended so long as it were pending and undisposed of, and that they would await favorable disposition of the motion prior to approving extension of the negotiated loan;

Thay by reason of the conduct of defendant Riverton Uranium Corporation in filing this Motion to Vacate Judgment, the plaintiff The Rim Group, a Mining Joint Venture, and all of its members, and their present lessee, Rocket Mining Corporation, a corporation, and its associates, Uranium Research Development Company, a corporation, and Western Uranium Corporation, a corporation, are placed in an incomprehensible situation as affects the affairs between them, and are in danger of suffering substantial and irreparable loss result of conduct on the part of Riverton Uranium Corporation herein;

IN TESTIMONY WHEREOF, I hereunto set my hand at Lander, Fremont County, Wyoming, March 22, 1957.

s/W. J. Nicholas
W. J. Nicholas

Subscribed in my presence and sworn to before me this March 22, 1957.

(Seal)

s/Veda Marie Stowe
Notary Public

My commission expires Oct. 20, 1957.

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING

SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture, Plaintiff,	)	
vs.	)	FILED Mar 15 1957 Victor E. Dolenc Clerk District Court
MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation, Defendants.	)	

MOTION TO VACATE JUDGMENT

Comes now the Riverton Uranium Corporation, a Nevada Corporation, one of the defendants above named, and respectfully moves this Court, in its sound discretion, to vacate that certain judgment and decree entered herein by this Court on the 7th day of December, 1956, and filed herein on the 3rd day of January, 1957, and in support of said motion, said defendant respectfully shows this Court in particularity as follows:

I.

That said judgment and decree above mentioned was granted to the plaintiff without notice to this defendant, nor was any hearing had thereon. That said judgment and decree recites as follows:

> "This cause coming on regularly for trial before the Court this December 7, 1956, at 10:00 A.M., the same having been heretofore regularly set for trial at such time by order of the Court and on its regular monthly printed and published docket, and the Court finding that all parties and counsel herein had notice thereof, . . . " (Emphasis ours)

That this cause was never set for trial on the 7th day of December, 1956, at 10:00 o'clock A.M., or at any other time on said date, and that this Court has never ordered this cause to be so set for trial on such date, and that there was no monthly printed and published docket in the month of December, 1956, as recited in said judgment and decree, and that in support of this allegation, and attached hereto and marked Exhibit "A", and by this reference made a part hereof, is the affidavit of Victor E. Dolenc, Clerk of the District Court of Fremont County, Wyoming, Seventh Judicial District, said Clerk acting as the officer of this Court in the setting and giving of notice of all trial dates of all causes to come before

this Court.

That this matter was never set for trial on the date set forth in said judgment and decree, and that therefore on the 7th day of December, 1956, the default of this defendant should not have been entered and judgment rendered thereon. The defendant further shows this Court that during the month of December, 1956 and presently the rule of this Court is as follows:

> "Unless otherwise agreed by the parties, orders setting cases for trial will be entered at least thirty days prior to the date set for trial." (Rule II. Paragraph 5)

That none of the parties hereto agreed that said cause should be tried on the 7th day of December, 1956, or any other date, and that the recitation set forth in said judgment and decree with respect to the setting of said cause, is wholly false, and in contravention of the rules of this Court.

II.

That by virtue of the facts set forth in the foregoing paragraphs, this defendant has not had an opportunity to present to this Court its defense to the plaintiff's cause of action and by virtue of said foregoing facts, this defendant has been deprived of its right to have said cause tried on its merits and to thereby present its defense thereto, all contrary to the rights of this defendant and justice in said cause. The defendant further shows this Court that this defendant had no knowledge whatever of the entry of said judgment and decree from the date of said entry until a few days preceding the filing of this Motion, and that attached hereto and made a part hereof by this reference is Exhibit "B", the same being the affidavit of John Kopuster, the General Manager of said defendant, by which said affidavit is shown that the first knowledge of said judgment and decree was obtained by the said defendant from an actual inspection of the Court file herein, the result of which is this Motion.

That said defendant has diligently and without delay, after obtaining such knowledge, filed herein this Motion in the same term in which said judgment and decree was entered without delay.

III.

That this defendant has a meritorious defense in this cause and that by virtue of the following facts this matter ought to be heard by this Court in its entirety, and upon its merits, and that by reason of the following facts, leave

ought to be granted unto this defendant to file a supplemental and amended answer herein, setting forth such facts, newly discovered to the defendant, all of which ought to be heard and tried by this Court. The facts above referred to are more particularly set forth as follows, and supported by the affidavit of Kirkpatrick Dilling, Secretary, Treasurer, and a director of said defendant, said affidavit being styled Exhibit "C" and made a part hereof by this reference:

a. That on the 30th day of April, 1956, the defendants, Charles M. Coleman and Riverton Uranium Corporation, filed herein their Answer in which the following allegations were made:

> "The defendants, Charles M. Coleman and Riverton Uranium Corporation, a corporation, allege that all right and interest held, owned or controlled by them in the mining claims subject of the petition filed herein, is so held, derived or owned by virtue of that certain lease agreement entered into in the month of August, 1954 by and between plaintiff herein and Metallics Unlimited, a partnership, covering said claims, which partnership subsequently assigned all of its right, title and interest therein to defendant, Mountain Mesa Uranium Corporation, defendant, San Juan Uranium Exploration, Inc., also subsequently acquiring certain mining rights in and to said claims; title of defendants Coleman and Riverton Uranium Corporation in and to said claims was acquired through dealings with defendants Mountain Mesa Uranium Corporation and San Juan Uranium Exploration, Inc., and title of said defendants in and to said claims is based solely upon the title held in said claims by the defendants Mountain Mesa Uranium Corporation, a Wyoming Corporation, and San Juan Uranium Corporation, a Colorado Corporation, all of which appears with greater particularity in the mining records of Fremont County, Wyoming."

b. That the defendant, Riverton Uranium Corporation, has heretofore, to-wit: on October 1, 1955, obtained an assignment by the defendant, Charles M. Coleman, to all of the said Coleman's interests in and to said mining claims, and on the 13th day of September, 1956, the defendant, Riverton Uranium Corporation, obtained from the defendant, San Juan Uranium Exploration, Inc., an assignment to all of said last mentioned defendant's interests in and to said mining claims, and that therefore the defendant, Riverton Uranium Corporation, is the present owner of the legal and equitable mining rights in and to said mining claims based upon title held in said claims by the defendant, Mountain Mesa Uranium Corporation, said rights appearing more particularly in the mining records of Fremont County dating from the Fall of 1955.

c. That this defendant is informed and believes, and therefore alleges, that the plaintiff and the Mountain Mesa Uranium Corporation, one of the above named defendants, and the party from whom this defendant derives its right and title in and to said mining claims, entered into a settlement agreement of this

cause, all without the knowledge or consent of this defendant, which settlement agreement substantially affects the rights and interests of this defendant derived from the defendant, Mountain Mesa Uranium Corporation, and that after the execution of said settlement agreement the judgment and decree entered against this defendant was filed, and that no judgment and decree was filed against Mountain Mesa Uranium Corporation by reason of such settlement agreement, and that the facts set forth in this subparagraph are newly discovered to this defendant, materially and adversely affects the defendant's right in and to said mining properties without notice or opportunity to this defendant to defend the same.

d. That the defendant, Mountain Mesa Uranium Corporation, denies that the defendant, Riverton Uranium Corporation, has any right or interest in the mining properties, the subject of this action. That this defendant has vigorously asserted such right, and for such purpose has filed and diligently prosecuted in the United States District Court of the District of Wyoming, Civil Cause No. 3966, which said action in part, has its purpose in substantiating by proper adjudication the rights of this defendant in this property derived by this defendant through the rights of the defendant, Mountain Mesa Uranium Corporation, which rights have been settled by said Mountain Mesa Uranium Corporation in this action without the consent or knowledge of this defendant, as alleged aforesaid, and that said cause in the United States District Court has, in part, been passed upon by the Circuit Court of Alpeals in favor of this defendant, and that said cause has been remanded to the United States District Court for trial, which said trial is set for the 29th day of April, 1957.

e. That the entry of the judgment and decree herein, by virtue of the recited default, of this defendant, in effect quiets the plaintiff's title against this defendant, but not against Mountain Mesa Uranium Corporation, and is thereby an attempt by the said Mountain Mesa Uranium Corporation in collusion with the plaintiff, and by use of such settlement agreement, to preclude the rights of this defendant in and to said mining properties, the same likewise being an attempt by the defendant, Mountain Mesa Uranium Corporation, to accomplish by such default the subject matter of the trial set between these defendants before the United States District Court.

f. That Mountain Mesa has a meritorious defense to this cause, as more particularly alleged by the pleadings filed herein by said Mountain Mesa, and

that said defense inures to the benefit of this defendant by virtue of the foregoing allegations herein made, all of which ought to be asserted herein and tried on the merits.

WHEREFORE, this defendant prays this Court that the judgment and decree filed herein against this defendant on the 3rd day of January, 1957, be set aside and vacated, and that this defendant be permitted to file herein an amended and supplemental answer to set forth the facts herein alleged and that thereafter this matter be set for trial, with notice to all parties, and in accordance with the rules of this Court, and that thereafter said matter be tried upon its merits.

RIVERTON URANIUM CORPORATION,
Defendant, by its attorneys,
SPENCE AND HILL

By s/Frank P. Hill

EXHIBIT "A"

STATE OF WYOMING)
) ss
County of Fremont)

A F F I D A V I T

VICTOR E. DOLENC, being first duly sworn upon his oath, deposes and states as follows:

1. That he is the duly elected, qualified and acting Clerk of the District Court of Fremont County, Wyoming, Seventh Judicial District, and as such officer of said Court is charged with the responsibility of mailing notices of case settings before said Court including the mailing of the regular monthly printed and published docket, as said docket was heretofore published at the direction of said Court and under the supervision of this affiant prior to the instigation and issuance by the Court of its rules by order of September 14, 1956.

2. That after September 14, 1956, the above mentioned order establishing the rules of this Court, no published and printed monthly docket of said Court was ever made, and that during the months of November and December, 1956, the Court rules above referred to were in effect by the terms of which each case before said Court was set by separate order, said orders setting such cases for trial being entered at least thirty days prior to the date set for trial, in accordance with said rule, it being the responsibility of the parties thereto to obtain a separate order for the setting of such cause within a period of six months after said cause is at issue.

3. That this affiant has read the judgment and decree in Civil Cause No. 9062, said judgment and decree having been filed herein on January 3, 1957. That said judgment and decree states as follows:

> "This cause coming on regularly for trial before the Court this December 7, 1956, at 10:00 o'clock A.M., the same having been heretofore regularly set for trial at such time by order of the Court and on its regular monthly printed and published docket . . ."

That this cause has never been set for trial on the 7th day of December, 1956 at 10:00 o'clock A.M., or at any other time on said date, and that no regularly printed and published monthly docket was made setting said cause for trial.

Further your affiant sayeth not.

_____

Subscribed and sworn to before me this _____ day of March, 1957.

_____
COUNTY CLERK

EXHIBIT "B"

STATE OF WYOMING)
) ss.
County of Fremont)

JOHN KOPUSTER, being first duly sworn upon his oath, deposes and states as follows:

1. That he is the General Manager of the Riverton Uranium Corporation, a Nevada Corporation, and as such, is one of the officials thereof charged with the conduct of the business of said corporation, and the reponsibility of promoting and preserving the best interests and the general affairs of said corporation.

2. That in such capacity, this affiant recently, to-wit: during February, 1957, for the purpose of determining the present status of Civil Cause No. 9062 in the District Court of Fremont County, Wyoming, inquired of the Clerk of such Court to determine the same, and thereupon discovered the entry of the judgment and decree filed therein on January 3, 1957. That such discovery of such judgment and decree was the first notice or knowledge by this affiant, or any of the agents or representatives of the Riverton Uranium Corporation, of the entry and filing of such judgment.

3. That thereafter the attorneys for said defendant were notified of such entry of said judgment.

Further your affiant sayeth not.

s/ John Kopuster

Subscribed and sworn to before me this 14th day of March, 1957

s/ Frank P. Hill
NOTARY PUBLIC

My commission expires: December 28, 1959

(Seal)

EXHIBIT "C"

STATE OF ILLINOIS)
) ss.
County of Cook)

KIRKPATRICK W. DILLING, being first duly sworn, deposes and states as follows:

1. That he is an attorney at law and Secretary-Treasurer and a Director of the Riverton Uranium Corporation, a Nevada Corporation.

2. That the Riverton Uranium Corporation is a defendant in Civil Cause No. 9062 in the District Court of Fremont County, Wyoming, Seventh Judicial District, and that on the 30th day of April, 1956, the Riverton Uranium Corporation filed herein its Answer in which the following allegation was made:

> "The defendants, Charles M. Coleman and Riverton Uranium Corporation, a corporation, allege that all right and interest held, owned or controlled by them in the mining claims subject of the petition filed herein, is so held, derived or owned by virtue of that certain lease agreement entered into in the month of August, 1954 by and between plaintiff herein and Metallics Unlimited, a partnership, covering said claims, which partnership subsequently assigned all its right, title and interest therein to defendant, Mountain Mesa Uranium Corporation, defendant, San Juan Uranium Exploration, Inc., also subsequently acquiring certain mining rights in and to said claims; title of defendants Coleman and Riverton Uranium Corporation in and to said claims was acquired through dealings with defendants Mountain Mesa Uramium Corporation and San Juan Uranium Exploration, Inc., and title of said defendants in and to said claims is based solely upon the title held in said claims by the defendants Mountain Mesa Uranium Corporation, a Wyoming Corporation, and San Juan Uranium Corporation, a Colorado Corporation, all of which appears with greater particularity in the mining records of Fremont County, Wyoming,"

and that such answer was filed therein by said defendant's resident attorneys, Spence and Hill, of Riverton, Wyoming.

3. That the defendant, Riverton Uranium Corporation, has heretofore, to-wit: on October 1, 1955, obtained an assignment from the defendant, Charles M. Coleman, to all of the said Coleman's interests in and to said mining claims, and on the 13th day of September, 1956, the defendant, Riverton Uranium Corporation, obtained from the defendant, San Juan Exploration, Inc., an assignment to all of said last mentioned defendant's interests in and to said mining claims, and that therefore the defendant, Riverton Uranium Corporation, is the present owner of the legal and equitable mining rights in and to said mining claims based upon title held in said claims by the defendant, Mountain Mesa Uranium Corporation, said rights appearing more particularly in the mining records of Fremont County dating from the Fall of 1955.

4. That this affiant is informed and believes and therefore states upon such information and belief that the plaintiff in the above mentioned civil cause and Mountain Mesa Uranium Corporation, one of the defendants in said civil cause, and the party from whom the Riverton Uranium Corporation derived its right and title in and to the mining claims being litigated therein, entered into a settlement agreement of said cause, all without the knowledge and consent of the Riverton Uranium Corporation, which settlement agreement substantially affects the rights and interests of the Riverton Uranium Corporation derived from Mountain Mesa Uranium Corporation, and that after the execution of said settlement agreement a judgment and decree was entered in said civil cause against the Riverton Uranium Corporation and that no judgment and decree was filed against Mountain Mesa Uranium Corporation by reason of such settlement agreement, and that these facts, prior to the filing of this affidavit, were not known to this affiant, and said facts materially affect the Riverton Uranium Corporation's rights in and to said mining properties being litigated therein, all without notice or opportunity to the Riverton Uranium Corporation to defend the same.

5. That Mountain Mesa Uranium Corporation, one of the defendants in the above entitled civil cause, denies that the Riverton Uranium Corporation, another defendant in said civil cause, has any right or interest in such mining properties, the subject of said action; that the Riverton Uranium Corporation has vigorously asserted such right and for such purpose has filed and diligently prosecuted in the United States District Court of the District of Wyoming, Civil Cause No. 3966, which said action in part has its purpose in substantiating by proper adjudication the rights of Riverton Uranium Corporation in such property derived by the Riverton Uranium Corporation through Mountain Mesa Uranium Corporation, which rights have been settled lby said Mountain Mesa Uranium Corporation in the above mentioned cause, as above stated, all of which is verily believed by this affiant, without consent or knowledge of this affiant, and that said cause in the United States District Court has, in part, been passed upon by the Circuit Court of Appeals in favor of Riverton Uranium Corporation, and that said cause has been removed to the United States District Court for trial, which said trial is set for the 29th day of April, 1957.

6. This affiant further states, upon information and belief, that the entry of the judgment and decree in the District Court of Fremont County, Wyoming, above mentioned, is in effect an attempt by Mountain Mesa Uranium Corporation, in collusion with the plaintiff in said civil cause, to preclude the rights of Riverton Uranium Corporation in and to the mining properties, the same likewise being an attempt by the Mountain Mesa Uranium Corporation to accomplish by such default the subject matter of the trial set between these defendants before the United States District Court, as aforesaid.

Further your affiant sayeth not.

s/ Kirkpatrick W. Dilling

Subscribed and sworn to before me this 9th day of March, 1957.

s/ Ingrid E. Olson
NOTARY PUBLIC

My commission expires: 11/22/60

(Seal)

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture,
Plaintiff

vs.

MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation,
Defendants

FILED
MAR 15 1957
Victor E. Galeno
CLERK DISTRICT COURT

NOTICE OF HEARING

TO RIVERTON URANIUM CORPORATION, a Nevada Corporation, and to its counsel, SPENCE and HILL:

You and each of you are hereby notified that the plaintiff in the above-entitled cause has requested the Court to set the Motion to Vacate Judgment herein filed by you on March 15, 1957, down for hearing, and that the plaintiff will call the same up for hearing, and at direction of the Court, the same will be heard by The Honorable Franklin B. Sheldon, Judge of the District Court, Fremont County, Wyoming, Seventh Judicial District, in the Court Room of the Court House of Fremont County, at Lander, Wyoming, on March 22, 1957, at the hour of 9:00 o'clock A.M., or as soon thereafter as the matter might be reached, and that said plaintiff proposes to make and file affidavits respecting the matters set forth in the Motion to Vacate Judgment filed by you for use at such hearing.

THE RIM GROUP, a Mining Joint Venture,
Plaintiff

SMITH and NICHOLAS
Attorneys for Plaintiff

By W. J. NICHOLAS

THE STATE OF WYOMING)
) ss
County of Fremont)

I, C. A. McDougall, Sheriff of Fremont County, Wyoming, do hereby certify that I received the foregoing Notice at the County and State aforesaid on March 15, 1957, and that I served the same on Frank Hill, one of the attorneys of record for Riverton Uranium Corporation, a Nevada Corporation,

who is a resident of aforesaid County and State, on March 15, 1957, by delivering a copy of same to him personally.

C. A. McDOUGALL
Sheriff of Fremont County, Wyoming

By s/ Wm. Logan

Fees:
Service $_____
Mileage $_____
Return $_____

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture,
Plaintiff

vs.

MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM CORPORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation,
Defendants

FILED
JAN 3 - 1957
Victor E. Salerno
CLERK DISTRICT COURT

JUDGMENT AND DECREE

This cause coming on regularly for trial before the Court this December 7, 1956, at 10:00 o'clock A.M., the same having been heretofore regularly set for trial at such time by order of the Court and on its regular monthly printed and published docket, and the Court finding that all parties and counsel herein had notice thereof, and members of the plaintiff The Rim Group, a mining joint venture, appearing in person and by their attorney of record, W. A. Smith, of Lander, Wyoming, and the defendant, Mountain Mesa Uranium Corporation, a Wyoming Corporation, appearing by its counsel, Edward E. Murane of Casper, Wyoming, the defendants, San Juan Uranium Exploration, Inc., a Colorado Corporation, Riverton Uranium Corporation, a corporation, and Charles M. Coleman, did not appear either in person or by attorney, and on motion of the plaintiff the default of each of the defendants, San Juan Uranium Exploration, Inc., a Colorado Corporation, and Riverton Uranium Corporation, a Nevada Corporation, and Charles M. Coleman, was duly entered;

NOW THEREFORE, IT IS HEREBY CONSIDERED, ORDERED, ADJUDGED AND DECREED that the defendants, herein, San Juan Uranium Exploration, Inc., a corporation, Riverton Uranium Corporation, a corporation and Charles M. Coleman, each are in default herein, and that as against said defendants, plaintiff, The Rim Group, a mining joint venture, and its members, have a legal estate in, possess and are entitled to the possession of the following-described property, to-wit:

Certain unpatented lode mining claims known and described as Rim Group Claims No's. 1 through 9, 16 through 23, 26 through 30, 34, 35, 39, 40, and 44 through 59, all located and situate

in Secs. 8, 9, and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, described as follows:

Beginning at the SW Cor. Sec. 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, thence N 32°02' E 2056.6 feet to Corner No. 1, the SW Cor Rim # 1, thence N 87°08' E 4196.2 feet to Corner No. 2, the SE Cor. Rim #7, thence N 0°12' W 3600 feet to Corner No. 3, the NE Cor. Rim #28, thence N 82°27' E 96.3 feet to Corner No. 4, the SE Cor. Rim #29, thence N 85°12' E 2999.2 feet to Corner No. 5, the SE Cor. Rim #39, thence N 2°14' W 1710.3 feet to Corner No. 6, the NE Cor. Rim #59, thence S 87°48' W 1495.7 feet to Corner No. 7, the NW Cor. Rim # 59, thence N 1°19' W 1800 feet to Corner No. 8, the NE Cor. Rim #58, thence S 83° 19' W 5500 feet to Corner No. 9, the NW Cor. Rim #46, thence S 1°19' E 1549 feet to Corner No. 10, the SW Cor. Rim #44, thence N83°19' E 1000 feet to Corner No. 11, the SE Cor. Rim #44, thence S 2°14' E 1786.8 feet to Corner No. 12, the SW Cor. Rim #19, thence S 87°08' W 1301.2 feet to Corner No. 13, the NW Cor. Rim #23, thence S 0°12' E to Corner No. 1, the SW Cor. Rim #1;

and are the owners thereof, subject to the superior rights and mining laws of the United States of America and the State of Wyoming;

IT IS FURTHER CONSIDERED, ORDERED, ADJUDGED AND DECREED that neither of the defendants, San Juan Uranium Exploration, Inc., a corporation, Riverton Uranium Corporation, a corporation, nor Charles M. Coleman, nor any person or persons taking by, or through, or under them, or any of them, has any right, title, interest, estate, claim or demand in or to said lands or premises thereof, and that the plaintiffs' title be quieted and that the same be and the same is hereby quieted in the plaintiffs as against said San Juan Uranium Exploration, Inc., a Colorado Corporation, Riverton Uranium Corporation, a corporation, Charles M. Coleman and as against each and every person claiming by, through, or under said defendants, and that all such persons be and they are hereby forever barred from asserting any claim to, or in said property.

DONE IN OPEN COURT at Lander, Fremont County, Wyoming, December 7, 1956.

BY THE COURT:

[illegible]

District Judge

Approved as to form:

SMITH and NICHOLAS, Attorneys
for Plaintiff

By_____

MURANE and BOSTWICK, Attorneys
for Defendant, Mountain Mesa Uranium Corporation

By_____

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GOURP, a mining joint venture, Plaintiff	)
vs.	)
MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation, Defendants	)

FILED
APR 30 1956
Victor E. Dolence
CLERK DISTRICT COURT

ANSWER

Come now the defendants, Charles M. Coleman and Riverton Uranium Corporation, a corporation, and in answer to the Petition of the plaintiffs filed herein, allege and deny as follows:

1. The defendants, Charles M. Coleman and Riverton Uranium Corporation, a corporation, allege that all right and interest held, owned or controlled by them in the mining claims subject of the Petition filed herein, is so held, derived, or owned by virtue of that certain lease agreement entered into in the month of August, 1954, by and between plaintiff herein and Metallics Unlimited, a partnership, covering said claims, which partnership subsequently assigned all of its right, title and interest therein to defendant Mountain Mesa Uranium Corporation, defendant San Juan Uranium Exploration, Inc., also subsequently acquiring certain mining rights in and to said claims; title of defendants Coleman and Riverton Uranium Corporation in and to said claims was acquired through dealings with defendants Mountain Mesa Uranium Corporation and San Juan Uranium Exploration, Inc., and title of said defendants in and to said claims is based solely upon the title held in said claims by the defendants Mountain Mesa Uranium Corporation, a Wyoming Corporation, and San Juan Uranium Corporation, a Colorado Corporation, all of which appears with greater particularity in the mining records of Fremont County, Wyoming.

2. The defendants, Charles M. Coleman and Riverton Uranium Corporation, a corporation, specifically deny each and every allegation contained in said Petition.

WHEREFORE, the defendants, Charles M. Coleman and Riverton Uranium Corporation,

a corporation, pray that the prayer of the Petition of the plaintiffs be denied, and that said defendants recover their costs herein expended, and that the plaintiffs be required to go hence without day.

Charles M. Coleman and Riverton
Uranium Corporation, a Corporation,
Defendants, by their attorneys,
SPENCE AND HILL

By S/ Frank P. Hill

SUMMONS—DISTRICT COURT

WYOMING STATE JOURNAL, LANDER 55-540

THE STATE OF WYOMING, }
COUNTY OF FREMONT } ss.

In District Court, 7th Judicial District

Case No. 9062

THE RIM GROUP, a mining joint venture

Plaintiff

vs.

MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation,

Defendant

FILED

MAR 24 1956

Victor E. Dolenc

CLERK DISTRICT COURT

SUMMONS

To the Sheriff of ~~Said~~ LARAMIE County, Greetings:

You are hereby commanded to notify Mountain Mesa Uranium Corporation, a Wyoming Corporation, San Juan Uranium Exploration, Inc., a Colorado Corporation, Charles M. Coleman, and Riverton Uranium Corporation, a Nevada Corporation,

that ~~t~~ he ~~y~~ has ~~ve~~ been sued in the District Court of the 7th Judicial District of the State of Wyoming, sitting in the Town of Lander, within and for the County of Fremont, in the State of Wyoming, for the trial of causes arising under the laws of said State by The Rim Group, a mining joint venture,

and that unless ~~t~~ he ~~y~~ answer the petition of the plaintiff herein filed on or before the 21st day of April, 19 56, said petition, with all the matters and allegation therein contained will be taken as true, and judgment rendered accordingly. And make due return of this writ according to law on the 2nd day of April, A.D. 19 56.

WITNESS Victor E. Dolenc, Clerk of said District, and the Seal thereof, at the Town of Lander, Wyoming, this 20 day of March, 19 56.

(Seal)

/s/ Victor E. Dolenc

Clerk of Court.

By _____ Deputy Clerk.

THE STATE OF WYOMING, }
COUNTY OF ~~Fremont~~ LARAMIE } ss.

RETURN

I, N. E. Tuck, Sheriff in and for said County of Laramie in the State aforesaid, do hereby certify that I received the within Summons at 10 o'clock a m., on the 21st day of March, 19 56, and served the same at the County aforesaid on the 22nd day of March-1956, by delivering to C. A. Swainson, the Wyoming Resident Agent for Service of Process of Riverton Uranium Corporation, a Nevada Corporation,

a copy of the same, together with copy of petition.

s/ N. E. Tuck

Sheriff.

By W. T. Lane Deputy Sheriff.

Sheriff's Fees—Service, $1.00; Return, $_____; Mileage, $ .10; Total, $ 1.10

IN THE DISTRICT COURT OF FREMONT COUNTY, WYOMING
SEVENTH JUDICIAL DISTRICT

Civil No. 9062

THE RIM GROUP, a mining joint venture, Plaintiff	)
vs.	)
MOUNTAIN MESA URANIUM CORPORATION, a Wyoming Corporation, SAN JUAN URANIUM EXPLORATION, INC., a Colorado Corporation, CHARLES M. COLEMAN, and RIVERTON URANIUM CORPORATION, a Nevada Corporation, Defendants	)

FILED
MAR 20 1956
Victor E. Galeno
CLERK DISTRICT COURT

PETITION

Comes now the above-named plaintiff, The Rim Group, a mining joint venture, and for its cause of action against the above-named defendants respectfully shows to the Court and alleges:

1. That The Rim Group, plaintiff herein, is a mining joint venture suing in its usual, and ordinary name, which it has assumed, and by which it is known, said mining joint venture consisting of some twenty-six different individuals who associated themselves together for the purpose of location of the premises hereinafter described; that the names and identity of said individuals are idenfitied in instruments of record in the Office of the County Clerk of Fremont County, Wyoming, affecting the premises subject matter of this action;

2. That the plaintiff has a legal estate in, possesses, and is entitled to the possession of the following-described property, to-wit:

Unpatented lode mining claims named Rim Group Claims No's. 1 through 9, 16 through 23, 26 through 30, 34, 35, 39, 40, and 44 through 59, described as follows, to--wit:

Beginning at the SW corner of Sec. 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, thence N32°02'E 2056.6 feet to Corner No. 1, the SW Cor. of Rim No. 1; thence N87°08'E 4196.2 feet to Corner No. 2, the SE Cor. of Rim No. 7; thence N0°12'W 3600 feet to Corner No. 3, the NE Cor. of Rim No. 28; thence N82°27'E 96.3 feet to Corner No. 4, theSE Cor. of Rim No. 29; thence N85°12'E 2999.2 feet to Corner No. 5, the SE Cor. of Rim No. 39; N2°14'W 1710.3 feet to Corner No. 6, the NE Cor. of Rim No. 59; thence S87°48'W 1495.7 feet to Corner No. 7, the NW Cor. of Rim No. 59; thence N1°19'W 1800 feet to Corner No. 8, the NE Cor. of Rim No. 58; thence S83°19'W 5500 feet to Corner No. 9, the NW Cor. of Rim No. 46; thence S1°19'E 1549 feet to Corner

No. 10, the SW Cor. of Rim No. 44; thence N83°19'E 1000 feet to Corner No. 11, the SE Cor. of Rim No. 44; thence S2°14'E 1786.7 feet to Corner No. 12, the SW Cor. of Rim No. 19; thence S87°08'W 1301.2 feet to Corner No. 13, the NW Cor. of Rim No. 23; thence S0°12'E to Corner No. 1, the SW Cor. of Rim. No. 1, all located and situate in Secs. 8, 9, and 17, Twp. 33 North, Rg. 89 West, 6th P.M., Fremont County, Wyoming, each claim more particularly described by the recorded location certificates thereof and by the actual location thereof on the ground.

3. That the plaintiff claims title in the above-described property subject only to the superior rights and mining laws of the United States of America and the State of Wyoming, and that the defendants, and each of the above-named defendants claims an estate, or interest therein, adverse to said plaintiff;

4. That the claim of said defendants and each of them is without any right whatever, and that the said defendants and each of them has no right, estate, title or interest whatsoever in said land or premises or any part thereof, and that the claims of the defendants cast a cloud upon the title of the plaintiff, and hinders the plaintiff in the free use, possession and disposition of the premises;

WHEREFORE, the plaintiff prays judgment:

a. That the plaintiff's title in and to said real estate and each and every part thereof be forever quieted and confirmed in this plaintiff, and that the plaintiff be adjudged and decreed to be the absolute owner of and entitled to the possession of said real estate and the whole thereof, subject only to the superior rights and mining laws of the United States of America and the State of Wyoming;

b. The plaintiff further prays that the defendants and each of them be compelled to show its, or their interest in and to said real estate; that the Court determine said adverse estate or interests and that the same may be adjudged to be null and void and that the plaintiffs title be quieted against them and each of them, and for the cost of this action and for such other and further relief as to the Court may seem equitable and just in the premises.

THE RIM GROUP, a mining joint venture,
Plaintiff

SMITH and NICHOLAS
Attorneys for Plaintiff

By W. J. NICHOLAS

CLERK OF THE COURT'S CERTIFICATE OF COPY—(Form M24, Rev. 139)

WYOMING STATE JOURNAL, LANDER 55-664

THE STATE OF WYOMING
County of Fremont } ss.

I, Victor E. Dolenc, Clerk of the Seventh Judicial District Court within and for the County and State aforesaid, do hereby certify the foregoing to be a true and complete COPY of Notice of Appeal; Order filed Mar. 26, 1957; Order Nunc Pro Tunc filed Mar. 29, 1957; Affidavit of W. J. Nicholas filed Mar. 22, 1957, Motion to Vacate Judgment filed Mar. 15, 1957, with exhibits; Notice of Hearing; Judgment and Decree filed Jan. 3, 1957; Answer of Riverton Uranium Corporation filed April 30, 1956; and Petition and Summons, as the same appear of record and on file in this office; in Civil Case No. 9062, entitled The Rim Group, a Mining Joint Venture, Plaintiff, v. Mountain Mesa Uranium Corporation, a Wyoming Corporation; San Juan Uranium Exploration, Inc., a Colorado Corporation; Charles M. Coleman, and Riverton Uranium Corporation, a Nevada Corporation, Defendants.

In testimony Whereof I have hereunto subscribed my hand and affixed the official seal of Said Court at my office in Lander, Wyoming this 20th day of April, A.D., 1957.

(Seal)

Victor E. Dolenc
CLERK OF THE DISTRICT COURT

DEPUTY

1. Code 706
2. Docket

Excerpt from Mr. Mittendorf's diary, 4/9/57:

A call came through about 2 p.m. which I presumed was*... and I answered the phone immediately. I was surprised to learn that it was Mr. R. L. Harris, who wanted to discuss our recent letter regarding docket 4644, Uranium Research and Development Co. Of course, I was caught off base and was completely in the dark as to the status of this case. He gave me the background in a manner which was rather complicated and too rapid for me to take adequate notes. I have since had time to refer to the docket and I now have a better understanding of some of his statements.

Our letter of April 5 informed him that we had learned of a conflict of interest in the property which is the subject of his application and put him on notice that we are holding the processing of this application in abeyance until proof of a clear title is furnished.

Harris cited the long, involved background of this case which seemed to involve a half-dozen different transfers or assignments of interest in the Rim Group claims. It was so complicated that on Dec. 26 last the Rocket Mining Co. brought suit to quiet title. He said only one of the several defendants appeared for the court hearings and that a settlement was effected with him. He stated further that the Judge rendered a default judgment in favor of Rocket Mining.

Riverton Uranium had sued to vacate the order, he said, but the Judge declined. Riverton then filed notice to appeal.

Harris wanted to know just what documents he should furnish to satisfy the "proof of clear title" suggested in our letter of April 5. He said the transcript of the previous hearings would clearly indicate to any attorney that Riverton will have no chance of success in its appeal before the Supreme Court of Wyoming.

I suggested that he reply to our letter giving his side of the story as related to me by phone, together with copy of the transcript. He said he would do so.

He hoped very much that the transcript itself would remove our objections and permit us to continue the processing of his application. If not, then he said the better part of the year will likely pass before the Supreme Court renders a decision. He said Riverton has 70 days from March 26 within which to file its transcript. It then has another 60 days to file its brief. Following that, the defendant has 45 days to file its answer, and then an indefinite period will elapse before the court places the case on its calendar.

I assured him that upon receipt of his letter and copy of the transcript we would promptly place it in the hands of the Solicitor for his opinion.

*Someone else, about another case.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

April 3, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE
4/8	C	220
"	~~chicago~~	700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer,
DMEA Field Team, Region III

Subject: Docket DMEA-4644 (Uranium) Uranium Research
and Development Company (Rim group of claims)
Fremont County, Wyoming

Enclosed are one copy each of three bids from Independent Drilling contractors for the drilling proposed by the subject applicant.

J. W. Townsend

J. W. Townsend

Enclosures

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/2	Ching	700
"	Ellis	700
	Sawyer	~~110~~ 140
4/4	Johnson	100
4	Mittendorf	300
4/5	C	2000
		700

APR 5 - 1957

Mr. Robert L. Harris, President
Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harris:

It has come to our attention that the Riverton Uranium Corporation claims title to all mining rights in the Rim Group claims and disputes the right of the Rocket Mining Corporation (and of the Joint Venture resulting from the agreement of February 8, 1957) to operate on the claims.

As you know, this Administration requires that an Operator under a DMEA contract have, preserve, and maintain a sufficient interest in the land, as owner, lessee, or otherwise, for the purposes of an exploration project.

Under the circumstances, it is requested that you furnish this office with proof of clear title to the subject claims. Pending receipt of such proof we shall hold the processing of your application in abeyance.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla
4-2-57

cc to: Admr.'s Reading File
Code 700, Mr. Ching
THKiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE
4/1	C	220
"	Ching	700

March 27, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4644 (Uranium), Uranium Research and Development Company (Rim Group of Claims), Fremont County, Wyoming.

Enclosed are the original and two copies of a letter from Mr. Albert W. Dilling, dated March 26, 1957, and two copies of a letter from this office, dated March 27, in acknowledgment.

Mr. Dilling refers to the Riverton Uranium Corporation, of which we do not have a record. However, the subject docket No. DMEA 4644 covers the Rim Group of claims, located in parts of the same sections, township, and range as noted by Mr. Dilling.

We did not attempt to tie the matter together in our acknowledgment to Mr. Dilling, as to do so would disclose our receipt of an application from Uranium Research and Development Company apparently covering the same ground.

The matter is forwarded for such action by your office as is indicated.

E. N. Harshman

E. N. Harshman

224 New Customhouse
Denver 2, Colorado

March 27, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED 1957
COPY

Mr. Albert W. Dilling
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago 2, Illinois

Dear Mr. Dilling:

Thank you for your letter of March 26, 1957 concerning a possible legal controversy that may develop over rights to mine on the Rim Group of claims, located in Sections 8, 9, and 17, T. 33 N., R. 89 W. 6th P.M., Fremont County, Wyoming.

We will appreciate being kept informed as to what develops in the matter.

Very truly yours,

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III

JWT:prl

cc: Chairman, Op. Comm. (2)
Harshman
Shaw
Docket 4644
Alphab.
Chron.

W6

DILLING AND DILLING
ATTORNEYS AT LAW
139 NORTH CLARK STREET
CHICAGO 2

ALBERT W. DILLING
KIRKPATRICK W. DILLING

TELEPHONE
CENTRAL 6-8417

DMEA
DEPARTMENT OF THE INTERIOR
MAR 27 1957
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE

March 26, 1957

Honorable E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Dear Mr. Harshman:

We were very sorry to learn of the passing of Mr. Traver, a fine, most capable gentleman who was most courteous to us at all times.

The writer is President of and attorney for Riverton Uranium Corporation (Chicago, Illinois, and Riverton, Wyoming). It has just come to our attention that Rocket Mining Corporation, 1229 Browning Avenue, Salt Lake City, Utah, proposes to enter upon the "Rim Group" of uranium and mineral mining claims (located in Sections 8, 9, and 17, Township 33 North, Range 89 West of the 6th Principal Meridian, Fremont County, Wyoming) and undertake extensive mining operations. Presumably, Rocket Mining Corporation intends to justify such action on the basis of a purported "contract" heretofore entered into with owners of certain royalty rights in said property.

Riverton Uranium Corporation asserts, and holds, sole and exclusive mining rights in the Rim Group property under and pursuant to an unbroken chain of title which appears and is shown in detail in the mining records of Fremont County, Wyoming. These public records, of course, constitute notice to the world of the interest of Riverton Uranium Corporation in these properties and that interest is paramount to any acquired by Rocket Mining Corporation through the purported contract.

The said sole and exclusive mining rights have been consistently and vigorously asserted by Riverton Uranium Corporation, having been the subject of litigation in several proceedings, including Causes Nos. 3966 Civil and 4041 Civil in the United States District Court for the District of Wyoming, and Cause No. 5423 in the United States Court of Appeals for the Tenth Circuit (the opinion in the latter, rendered in favor of

Riverton Uranium Corporation on December 28, 1956, appears in Volume 240, Federal 2d Reports, at page 12). A suitable lis pendens notice was of course filed with the County Clerk and Ex-Officio Registrar of Deeds of Fremont County.

We have just learned that the Rocket Mining Corporation has taken steps to secure a substantial DMEA loan, to-wit, $85,000, for exploratory work on the Rim Group of claims.

All action relating to this group of claims in which Rocket Mining Corporation is involved, has been without the approval and consent of Riverton Uranium Corporation.

It should be noted that the sole cloud upon Riverton Uranium Corporation's said rights has been occasion through an ex parte "default" order, entered on January 3, 1957, without the knowledge of Riverton Uranium Corporation and in complete derogation of its rights, in the District Court of Fremont County, Wyoming, by Honorable Franklin Sheldon, Judge of that Court. Inasmuch as Judge Sheldon has declined the other day, to vacate said order, our Riverton counsel, Messrs. Spence and Hill, are undertaking the necessary steps to prosecute an appeal to the Supreme Court of Wyoming, or, if need be, to the Supreme Court of the United States, seeking reversal of said decision.

Under the circumstances, we must necessarily view very gravely any attempt by Rocket Mining Corporation to interfere with Riverton Uranium Corporation's mining rights in the Rim Group property. Said concern will be held strictly accountable in damages for any trespass or other action in derogation of our said rights, and we shall not hesitate to take whatever legal action may be necessary against Rocket Mining Corporation for our protection.

Inasmuch as DMEA has undoubtedly not been advised of the interest of Riverton Uranium Corporation in these claims, I am writing this letter for the record, so that you may be fully informed in the matter and be guided accordingly in considering the said application for a DMEA loan.

We realize that it is your policy to insist upon an unclouded title and a complete absence of conflicting interests when passing upon such an application.

Very truly yours,

Albert W. Dilling

AWD:io
Copies to:
Spence and Hill
John Kopuster, General Manager
Riverton Uranium Corporation

DMEA
DEPARTMENT OF THE INTERIOR
MAR 26 1957
REGION III
DENVER, COLORADO

March 25, 1957

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-4644
Rim Group Claims
Fremont County, Wyoming

Dear Sir:

Through an oversight the book and page number of Claims 44 through 59 were not included on Form MF-103 and are here given:

Rim 44 through 59 Book 117, Mineral Register, pp. 214-229.

Very truly yours,

RLE

Ralph L. Erickson
Vice President

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE
4/1	C	220
"	[illegible]	700

RLE:jp

Reg III Note: Include as suppl. to subject application

Orig to Docket, Reg III
cc to Harshman
King

3-27-57

W O

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
3/21	C	220
3/22		700

DMEA
DEPARTMENT OF THE INTERIOR
MAR 14 1957
REGION III
DENVER, COLORADO

March 14, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Reg. III

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4644 (Uranium) Uranium Research and Development Company (Rim group of claims) Fremont County, Wyo.

The application for Uranium Research and Development Company, Docket DMEA 4644 in the amount of $86,834.00, was received in this office on March 14, 1957.

A field examination will be made and suitable report prepared by an engineer from the Denver office.

W. H. KING

W. H. King

cc: Executive Officer (2)
E. N. Harshman
J. F Shaw

WO (2)

224 New Customhouse
Denver 2, Colorado

March 13, 1957

		1957
		CODE
2/25	C	220
3/18	~~Chang~~	700

Memorandum

To: E. N. Harshman)
W. H. King) w/enclosures, Items 1-5 below

From: DMEA Field Team, Region III

Subject: Docket DMEA-4644 (Uranium) Uranium Research and Development Company (Rim group of claims) Fremont County, Wyoming

Enclosed is the following material in reference to the subject matter.

1. Copy of the application for Government assistance in exploration work under the DMEA program.
2. Memorandum of review by John E. Crawford, Bureau of Mines.
3. Memorandum of review by W. P. Williams, Geological Survey.
4. Letter of transmittal of the foregoing to this office, dated March 6, 1957, from the Chairman, Operating Committee, DMEA.
5. Routing control sheet.

A field examination of the property and a joint report of findings and recommendations pertaining to the Operator's work proposal are requested.

Please clarify the matter of the claims referred to in the last paragraph of the Chairman's letter. The matters of Consent to Lien and Power of Attorney referred to by the Chairman will be taken care of by this office at a later date as necessity indicates.

The Applicant plans to do the drilling itself. However, please request from the Applicant three bids from three independent drilling contractors to support the estimated cost per foot of drilling.

If it is recommended that the Government participate in an exploration program, please submit twelve extra copies of each

map used in the joint report which show the land to be subordinated and the location and extent of recommended work in relation to property boundaries. Please return the Bureau of Mines' copy of the application to this office with the Report of Examination.

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures

JWT:jy

cc: Sec. Op. Comm. (2)
King)
Docket 4644) w/copy of material in Items 2, 3, 4
Chron.

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
3-5	Ching	700
3-5	Ellis	700
3/6	Selfridge	130
"	Johnson	110
"	Christensen	100
3-7	C	220
		700

MAR - 6 1957

Mr. E. N. Harshman, Acting
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Uranium Research and Development Co.
Rim Group Claims
Fremont County, Wyoming

Dear Mr. Harshman:

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

Enclosed are memoranda, dated February 20 and 27, 1957, by John D. Crawford, USBM, and W. P. Williams, USGS, respectively, relating to the application, for your information. Also enclosed are two copies of the application for the use of the Field Team.

Your attention is called to the fact that the amount of the application is $75,547.00 and not $86,834.00 as stated in Mr. Traver's memorandum of February 15.

In the event a contract appears likely, executed Consent to Lien and Subordination Agreement forms should be secured from Mountain Mesa Uranium Corporation and The Rim Group. Also in such event the Applicant should, as indicated in the application, secure an appropriate Power of Attorney from the other two members of the joint venture, giving it authority to sign the contract and act as the operator.

The Applicant listed only 26 claims under Article 3(a) of the application. The Lease Agreement, dated December 7, 1956, and the claim map accompanying the application both show 42 claims. The Applicant stated that there are possible conflicts on the eastern portions of claims Nos. 58 and 59, but does not indicate clearly whether all or part of these claims are to be omitted from the proposed project. These matters should be clarified before a contract is considered.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures
APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

THKiilsgaard, 5224
JKratchman, AEC

MChing/izm 3-5-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
3-5	Ching	700
3-5	Ching	700
3/6	Selfridge	130
"	Johnson	116
"	Mittendorf	700
		220

MAR - 6 1957

Uranium Research and Development Company
209 Denham Building
Denver, Colorado

Re: Docket No. DMEA-4644 (Uranium)
Rim Group Claims
Fremont County, Wyoming

Lamb
Kilgoard

Gentlemen:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

Mr. E. N. Harshman, Acting
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/izm 3-5-57
cc to: Mr. Ching
Admr.'s Reading File
DMEA FT Reg. 3 (2)

8623

IN REPLY REFER TO:

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

February 27, 1957

Memorandum

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

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

Subject: Review of application, DMEA 4644, Uranium Research and Development Company, Rim claims, Gas Hills district, Fremont County, Wyoming (uranium)

The applicant proposes to explore for uranium ore deposits on a tract comprising 42 contiguous mining claims. The proposed project would consist of a total of about 60,000 feet of drilling at an estimated total cost of $86,834.

After plotting the location of the property on available maps, it appears that the claims are located in the northwest part of an area where uranium ore deposits are known. Seventeen previously-drilled holes and some test pitting, however, did not discover commercial grade ore. The applicant's property is admittedly large, and large areas undoubtedly remain unexplored.

I believe final evaluation of the property and the proposed project must be accomplished through field examination. For that reason I recommend that the application be referred to the Field Team for appropriate action.

W. P. Williams

W. P. Williams

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
2/28	C	220
2/28	Ellis	700

comment complete

February 20, 1957

DMEA Form No. 4644
DMEA Serial No.
Commodity Uranium
Name of applicant Uranium Research & Development Co.
Name of property Rim Group Prospect
Location of property Fremont County, Wyoming
Estimated cost of project $86,834.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Application

1. Date of receipt 2/13/57 2. Date received by DMEA 2/15/57

3. Is report of the property from to attached: Yes ☐ No ☐

4. Is a report on nearby or similar mines to be attached: Yes ☐ No ☐

5. Is information available on past production: Yes ☐ No ☐

6. Is a preliminary design to be attached: Yes ☐ No ☐

7. Is the plan stated you clear:

8. Check another special consideration:
a. Location ☐
b. Commodity ☐
c. Evidence of diversification ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs ☐
h. _____ ☐

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

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 20 1957
DATE | INITIALS | CODE
2-21 | C | 220
" | Ellis | 700

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

February 19, 1957

Uranium Research and Development Co.
209 Denham Building
Denver, Colorado

Subject: DMEA-4644

Gentlemen:

Your application for exploration assistance, dated February 12, 1957 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4644 and referred to the Rare & Miscellaneous Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region III
Code 700

6416

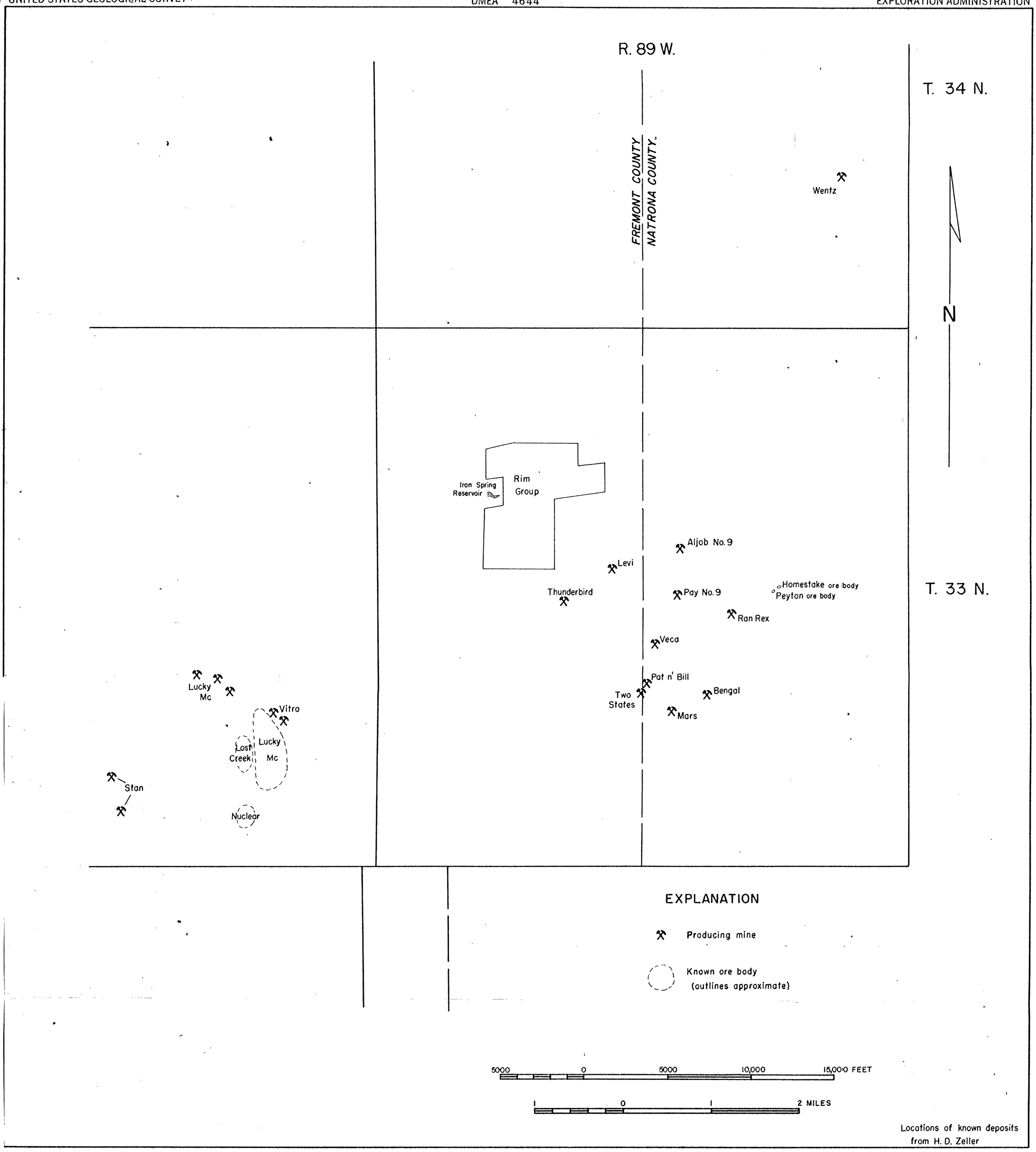
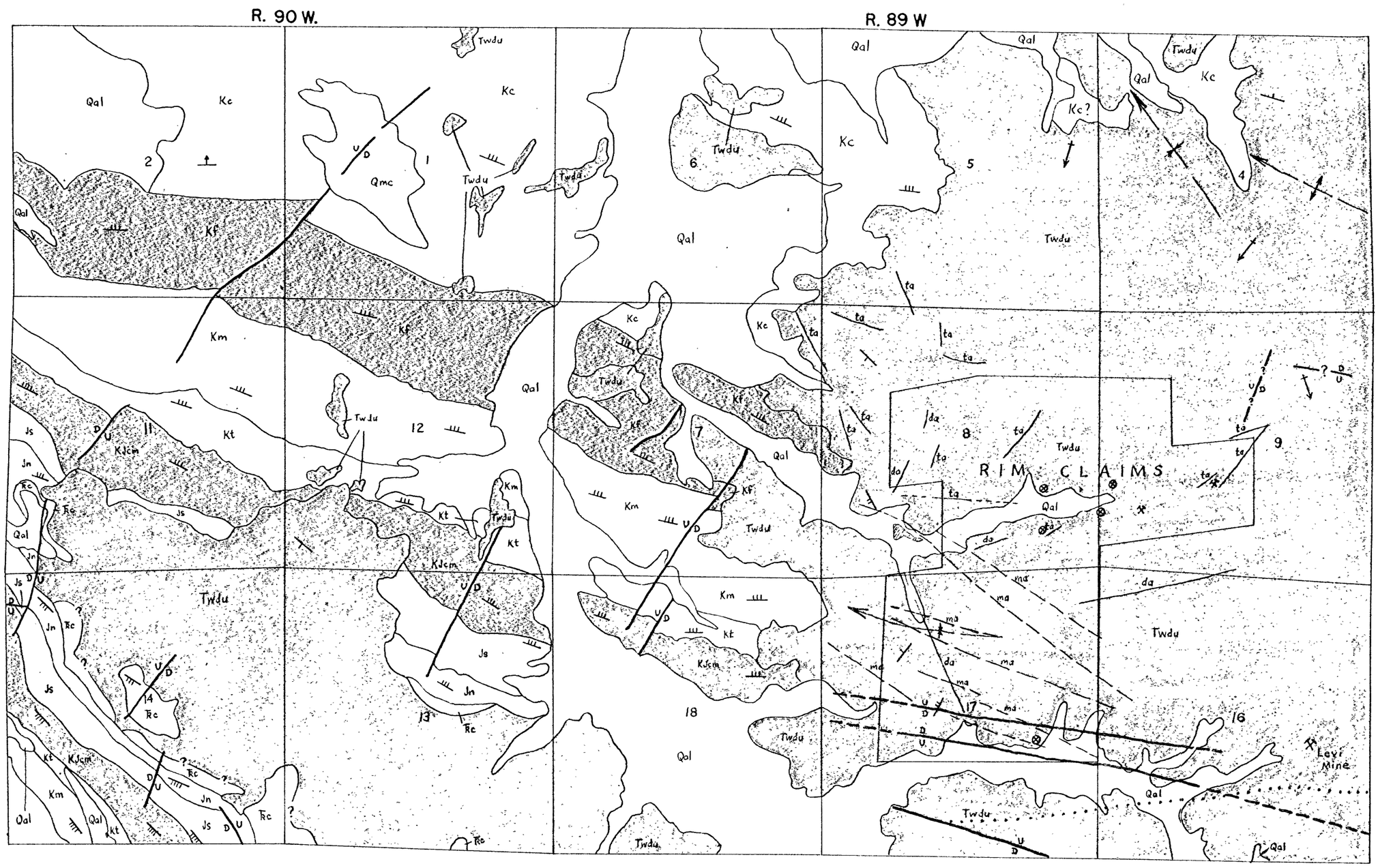


FIGURE 4. PART OF EAST GAS HILLS URANIUM DISTRICT, WYOMING SHOWING LOCATION OF RIM GROUP CLAIMS AND KNOWN DEPOSITS

DMEA DOCKET 4644



Dip and Strike	Dip Component	
		3° or less
		3° to 10°
		10° to 25°
		25° to 45°
		Amount of dip not estimated
		Fault
		Probable fault
ta		Distinct topographic alignment
da		Distinct drainage alignment
ma		Distinct alignment of saddles, iron-stained outcrops, or drainage
⊗		Area previously drilled
⚒		Mine or pit
		Reservoir
		Probable continuation of concealed Nugget ss.

N

QUATERNARY	Qal	Alluvium
	Qmc	Mantle cover
TERTIARY	Twdu	Wind River formation (upper, coarse-grained facies)
CRETACEOUS	Kc	Cody shale
	Kf	Frontier formation
	Km	Mowry shale
	Kt	Thermopolis shale
	KJcm	Cloverly-Morrison formations
JURASSIC	Js	Sundance formation
	Jn	Nugget sandstone
TRIASSIC	Ꞧc	Chugwater formation

Modified slightly from applicant's map, with added data from H. D. Zeller.

1 1/2 0 1 MILE

FIGURE 3. GEOLOGIC MAP OF PART OF EAST GAS HILLS URANIUM DISTRICT, WYOMING
URANIUM RESEARCH AND DEVELOPMENT COMPANY
DMEA DOCKET 4644

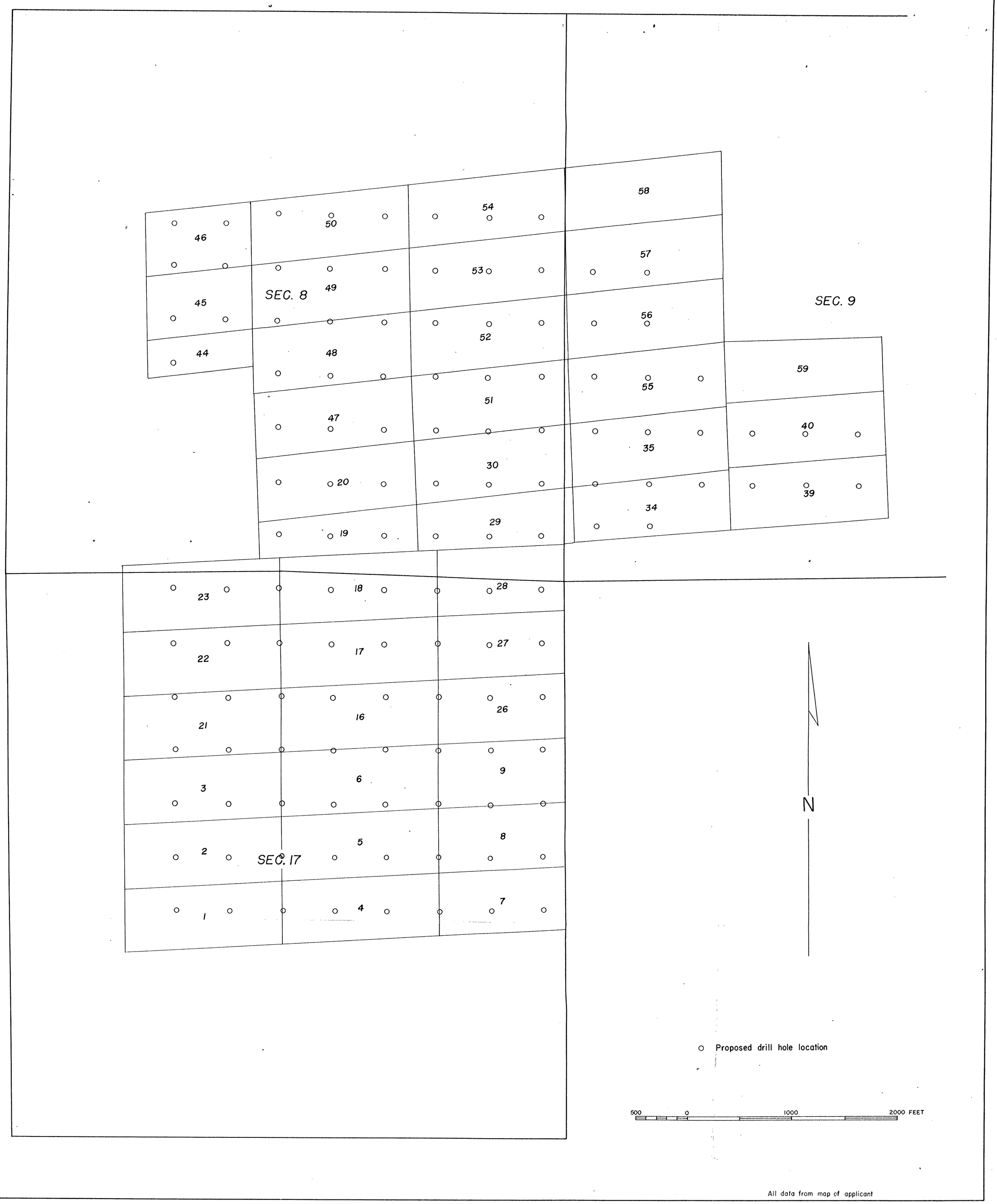
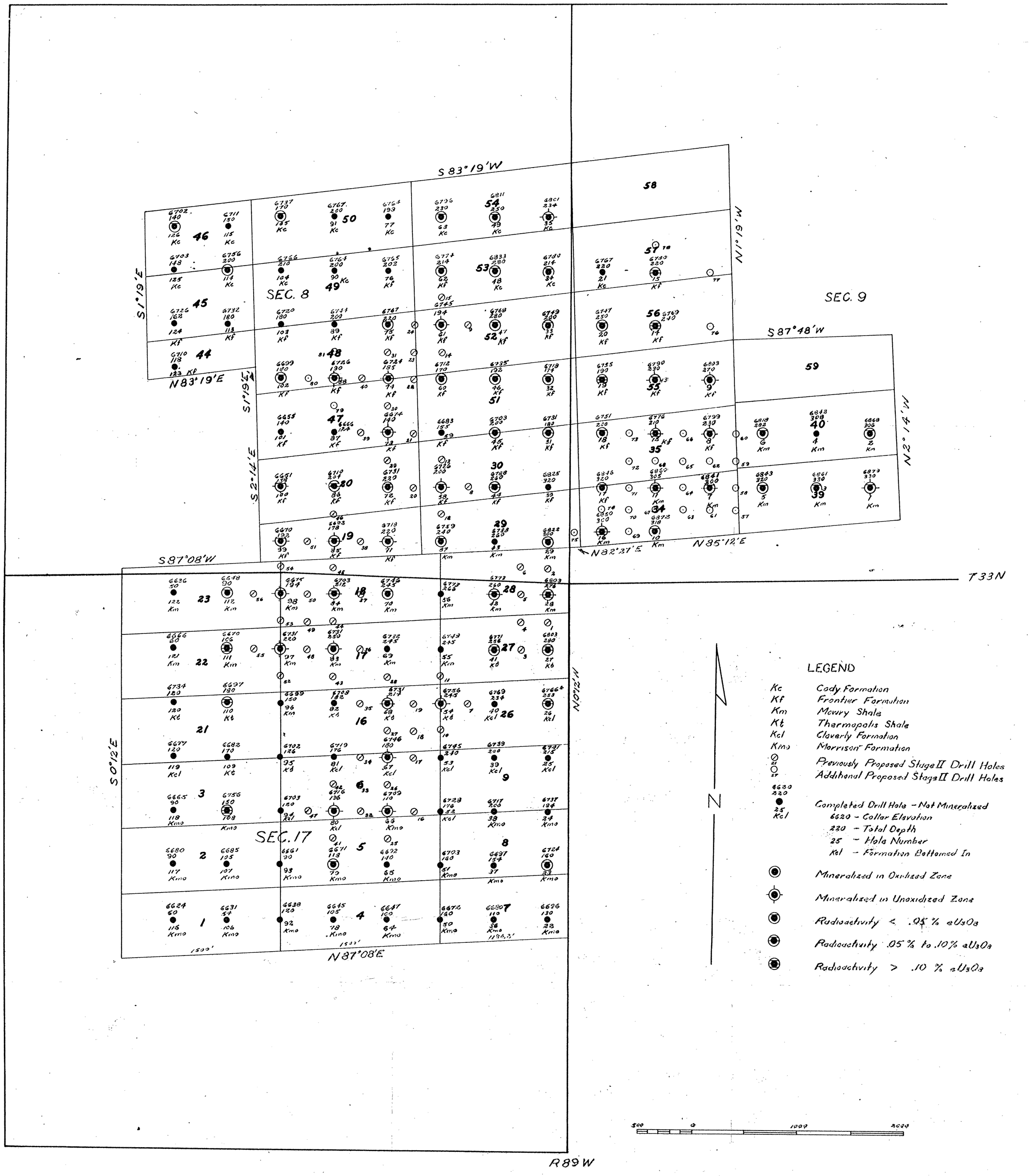


FIGURE 2. CLAIM MAP SHOWING PROPOSED DRILL HOLES
URANIUM RESEARCH AND DEVELOPMENT COMPANY - RIM GROUP
T. 33 N., R. 89 W., FREMONT COUNTY, WYOMING

DMEA DOCKET 4644



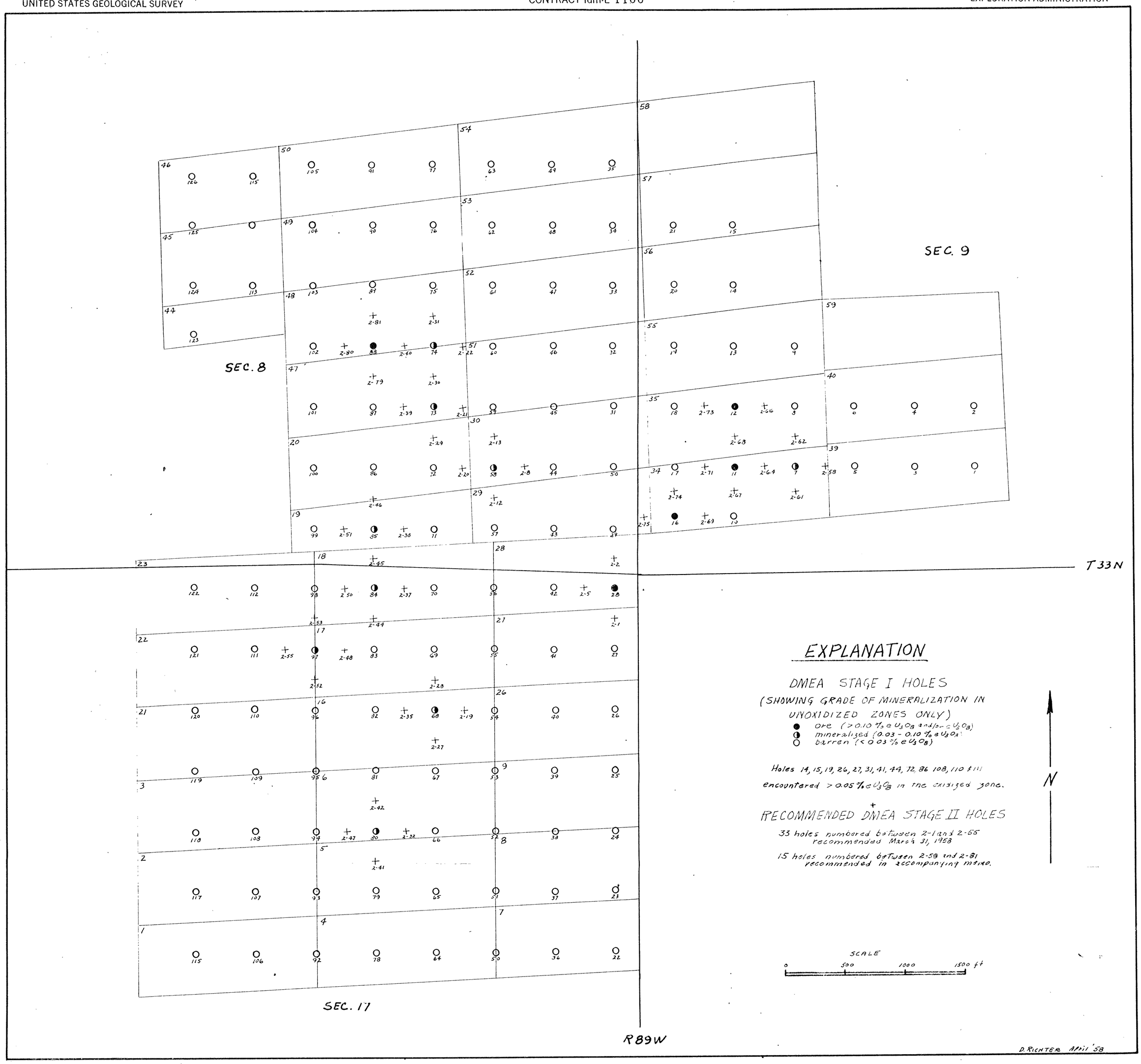
CLAIM MAP SHOWING DRILL HOLE LOCATIONS
URANIUM RESEARCH AND DEVELOPMENT COMPANY - RIM GROUP
T. 33 N., R. 89 W., FREMONT COUNTY, WYOMING

DMEA DOCKET 4644

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

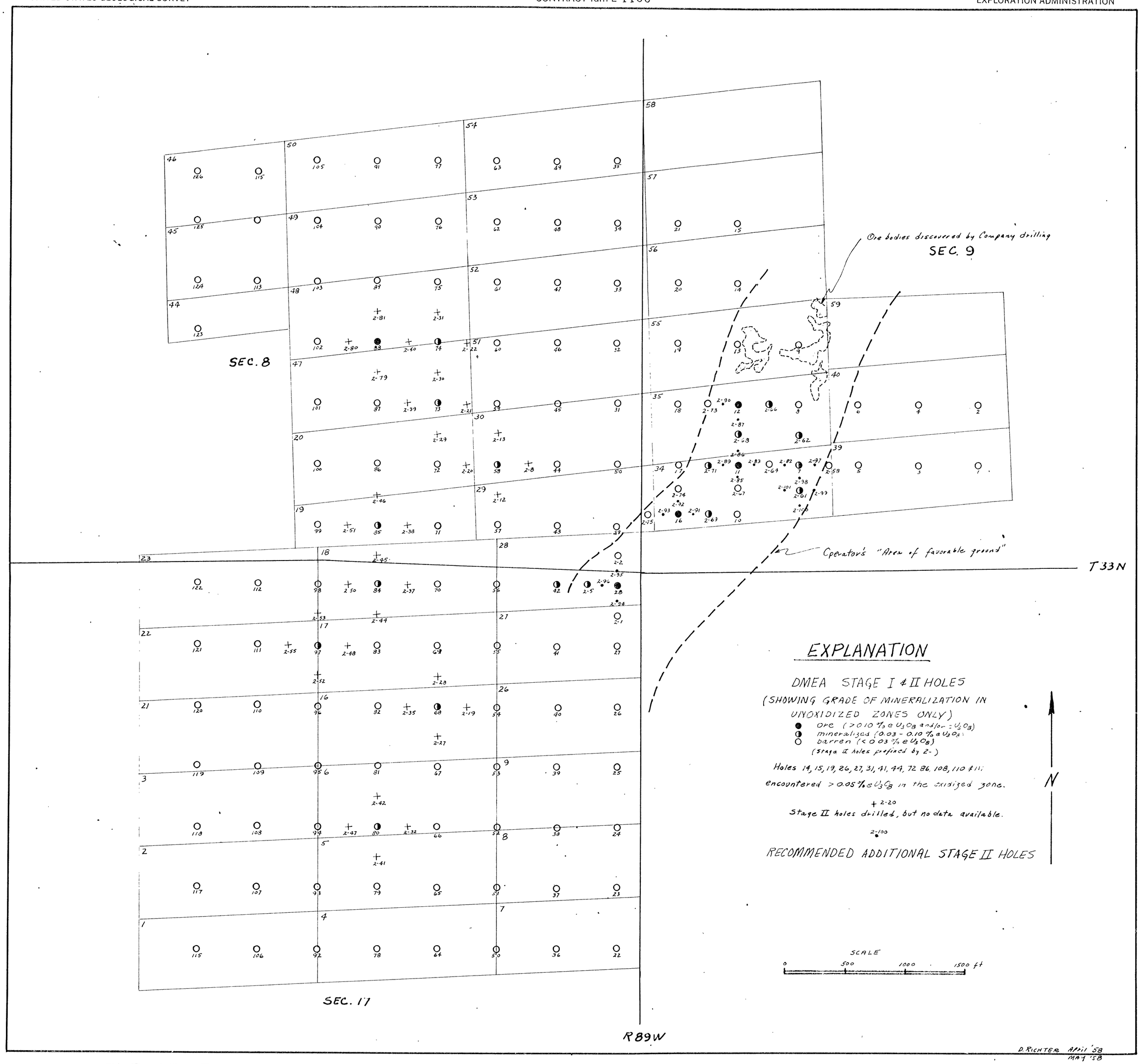
DMEA 4644
CONTRACT Idm-E 1166

PREPARED FOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION

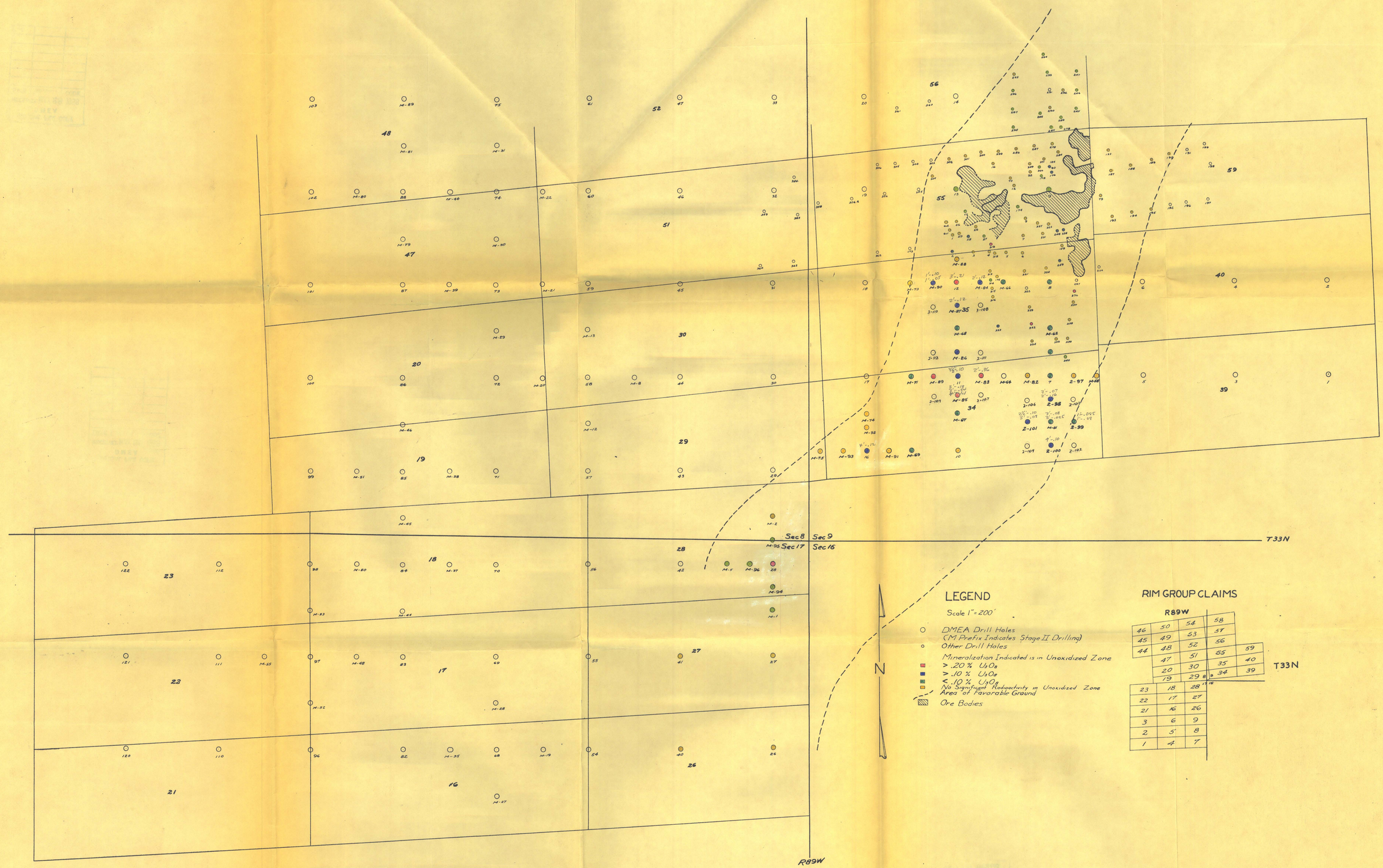


EXPLORATION MAP, RIM GROUP CLAIMS, URANIUM RESEARCH AND DEVELOPMENT COMPANY, FREMONT COUNTY, WYOMING.

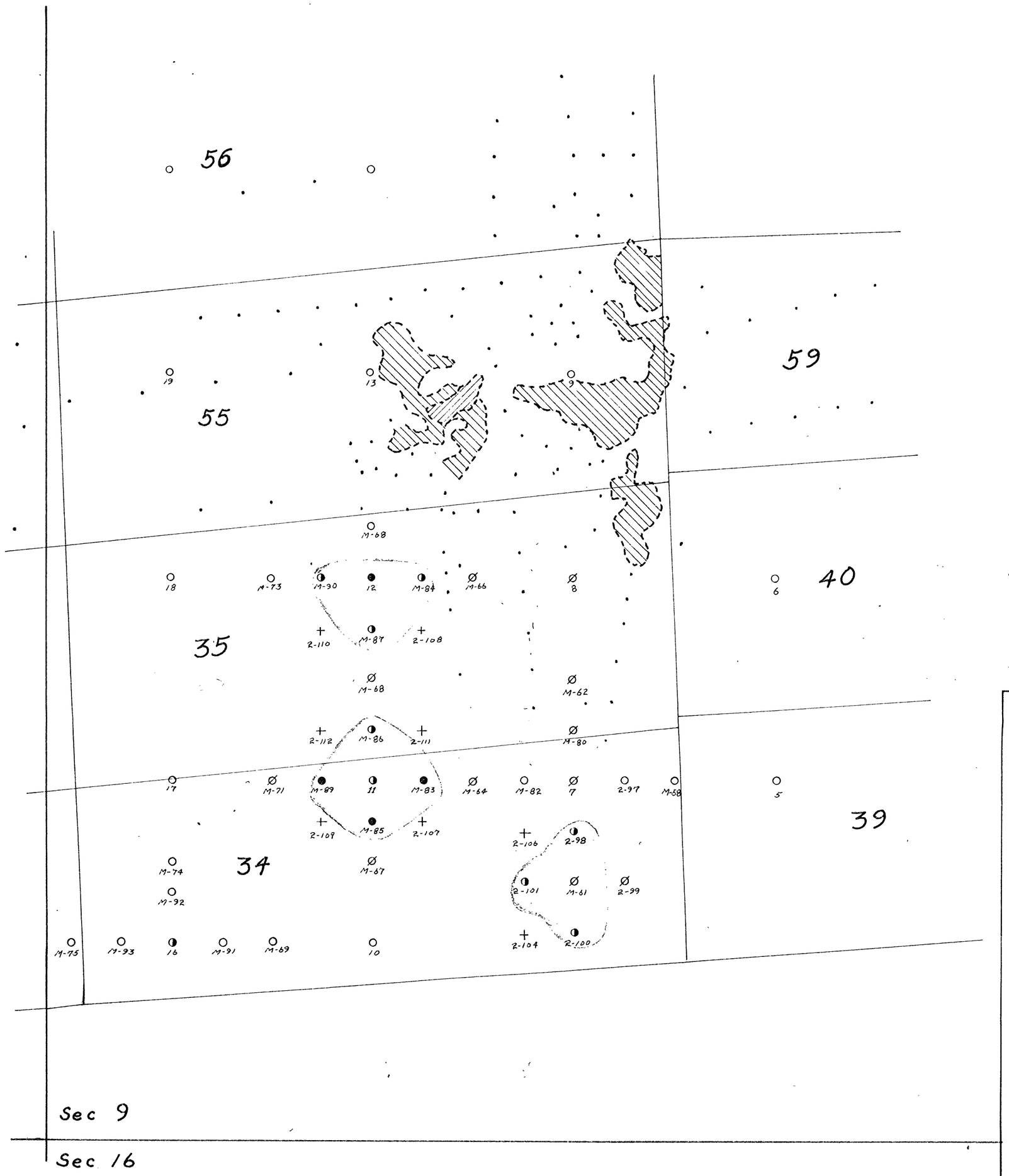
CLAIM MAP SHOWING DRILL HOLE LOCATIONS AND MINERALIZATION ON A PART OF THE RIM CLAIMS
URANIUM RESEARCH AND DEVELOPMENT COMPANY
T 33N, R89W, FREMONT COUNTY, WYO.



EXPLORATION MAP, RIM GROUP CLAIMS, URANIUM RESEARCH AND DEVELOPMENT COMPANY, FREMONT COUNTY WYOMING.



CLAIM MAP SHOWING DRILL HOLE LOCATIONS AND MINERALIZATION ON A PART OF THE RIM CLAIMS
URANIUM RESEARCH AND DEVELOPMENT COMPANY
T 33N, R89W, FREMONT COUNTY, WYO.



EXPLANATION

Company drilled hole

Present known ore bodies discovered by company drilling

DMEA STAGE I and STAGE II HOLES
Showing grade of mineralization in unoxidized zone.

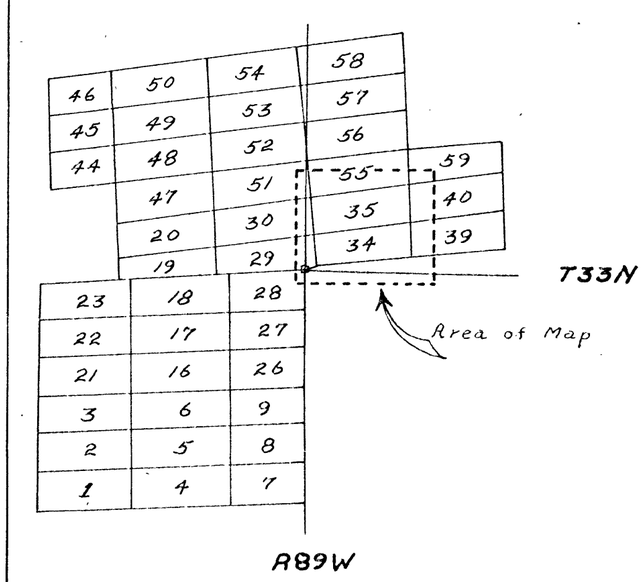
- ● Ore-bearing > .20% U_3O_8
- ◑ Ore-bearing > .10% U_3O_8
- Ø Mineralized < .10% U_3O_8
- ○ Barren (no significant radioactivity)

RECOMMENDED ADDITIONAL STAGE II HOLE SITES

+ 2-108

Groups of mineralized holes offset by recommended drilling.

RIM GROUP CLAIMS



Sharp - May 24 1958

EXPLORATION MAP, RIM GROUP CLAIMS, URANIUM RESEARCH AND DEVELOPMENT COMPANY, FREMONT COUNTY, WYOMING

200 0 200 400 600 feet

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

FINAL REPORT
DMEA 4644
CONTRACT Idm-E 1166

PREPARED FOR
OFFICE OF MINERALS
EXPLORATION

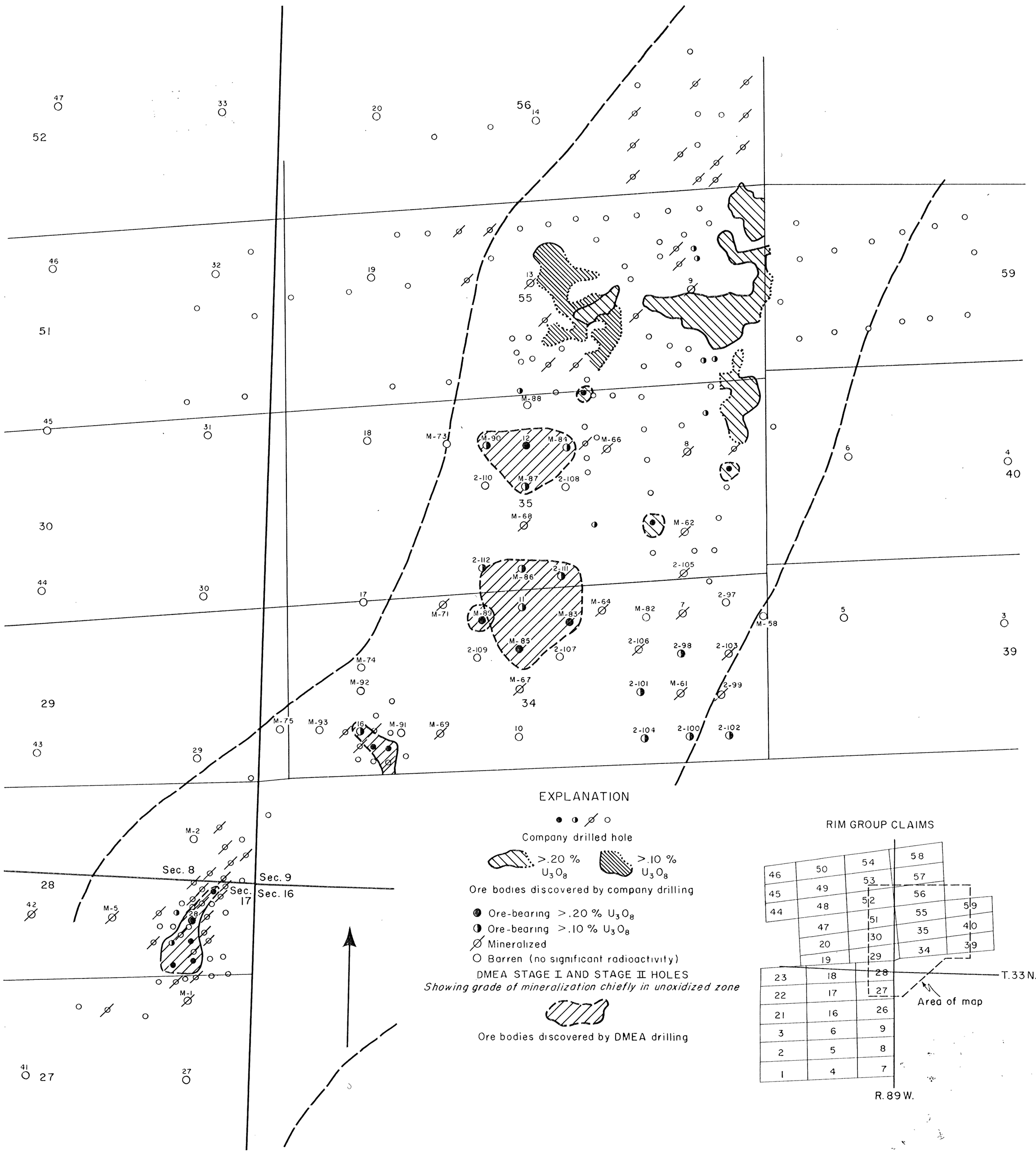


FIGURE 5 —EXPLORATION MAP, RIM GROUP CLAIMS, URANIUM RESEARCH AND DEVELOPMENT COMPANY, FREMONT COUNTY, WYOMING

200 0 200 400 600 Feet
Scale

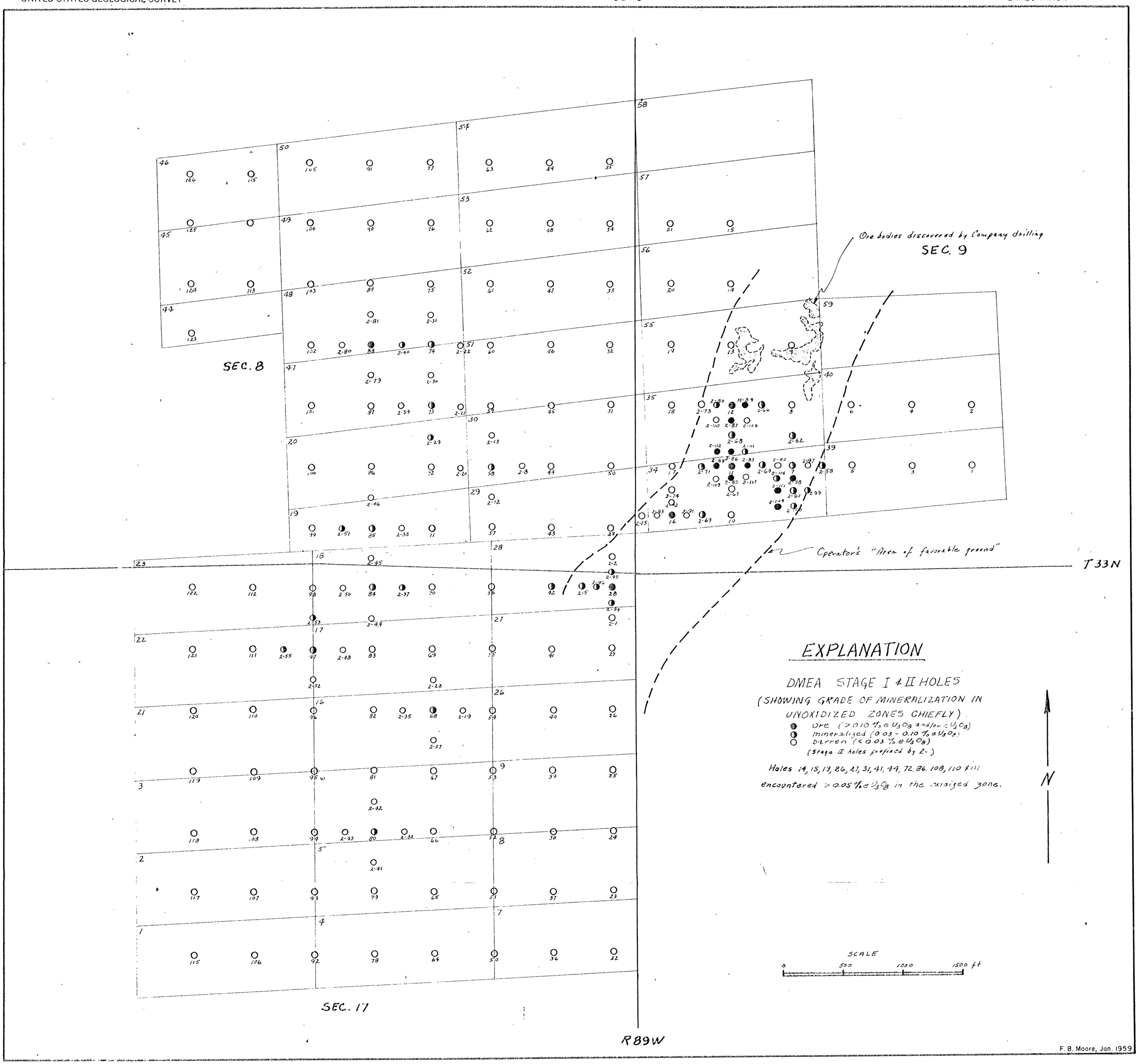


FIGURE 4 - EXPLORATION MAP, RIM GROUP CLAIMS, URANIUM RESEARCH AND DEVELOPMENT COMPANY, FREMONT COUNTY, WYOMING.

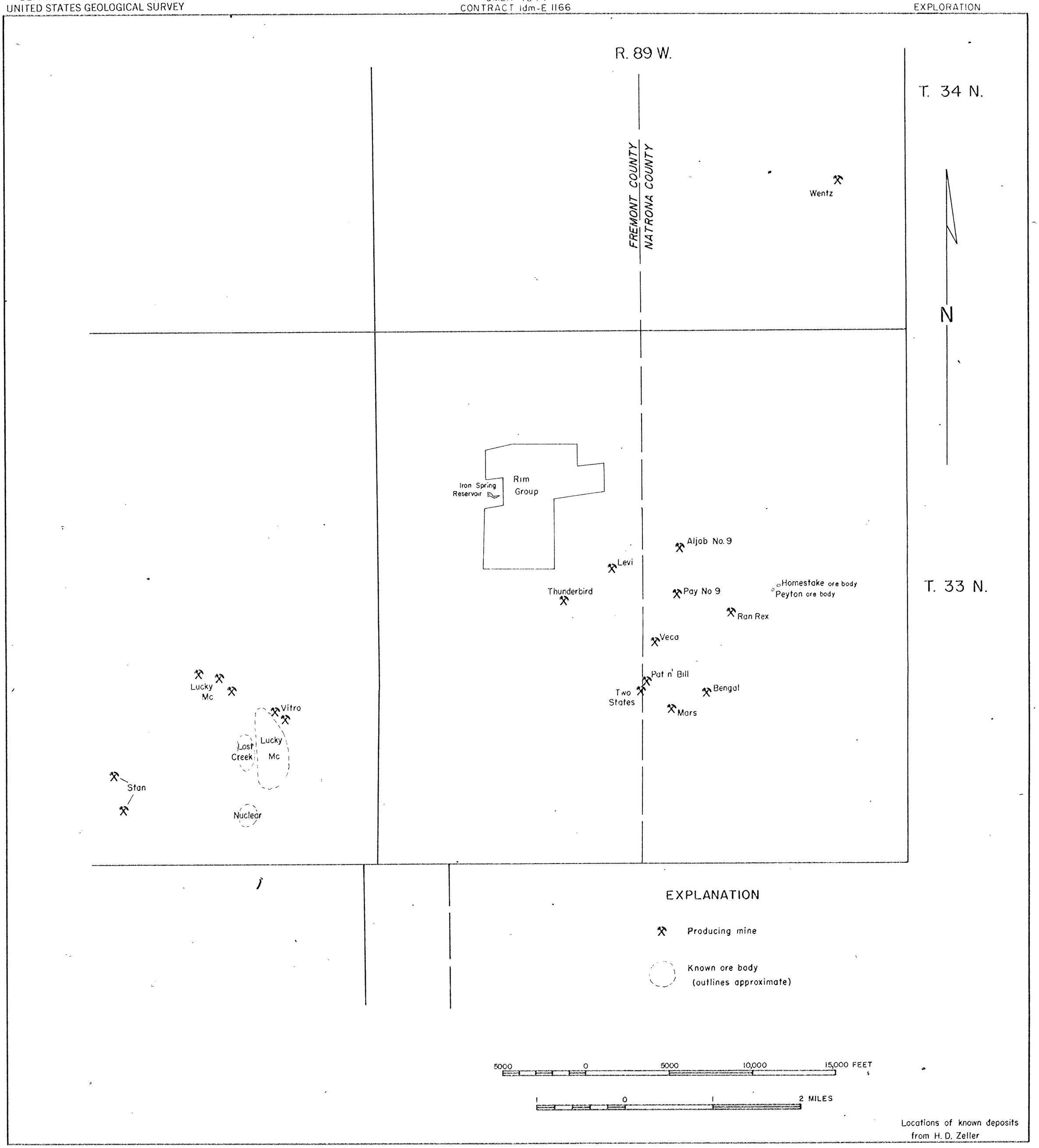
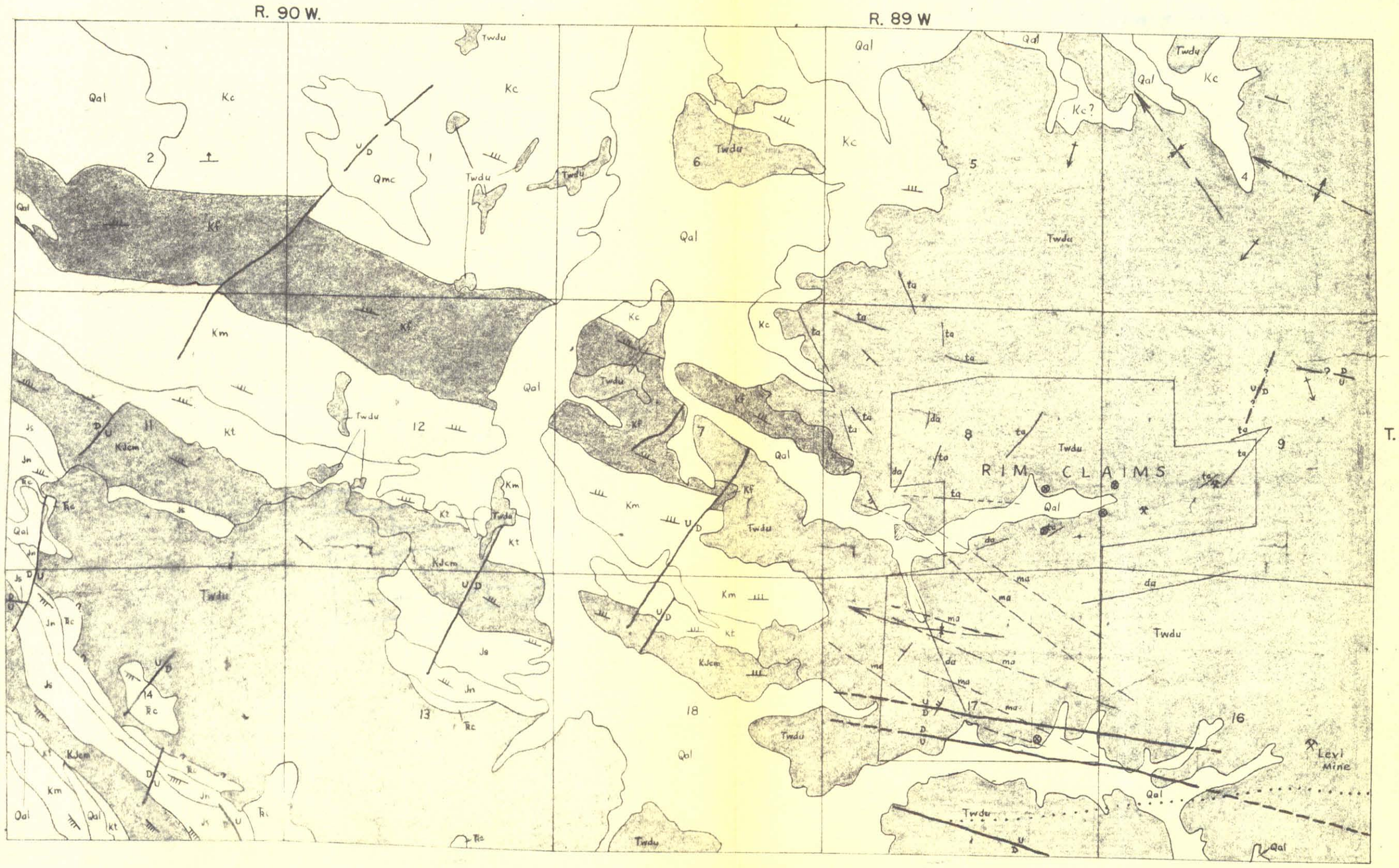


FIGURE 3-PART OF EAST GAS HILLS URANIUM DISTRICT, WYOMING SHOWING LOCATION OF RIM GROUP CLAIMS AND KNOWN DEPOSITS DMEA DOCKET 4644



Dip and Strike — Dip Component

- 3° or less
- 5° to 10°
- 10° to 25°
- 25° to 45°
- Amount of dip not estimated
- Fault
- Probable fault
- ta — Distinct topographic alignment
- da — Distinct drainage alignment
- ma — Distinct alignment of saddles, iron-stained outcrops, or drainage
- Area previously drilled
- Mine or pit
- Reservoir
- Probable continuation of concealed Nugget ss.

N

QUATERNARY	Qal	Alluvium
	Qmc	Mantle cover
TERTIARY	Twdu	Wind River formation (upper, coarse-grained facies)
CRETACEOUS	Kc	Cody shale
	Kf	Frontier formation
	Km	Mowry shale
	Kt	Thermopolis shale
	KJcm	Cloverly-Morrison formations
JURASSIC	Js	Sundance formation
	Jn	Nugget sandstone
TRIASSIC	TRc	Chugwater formation

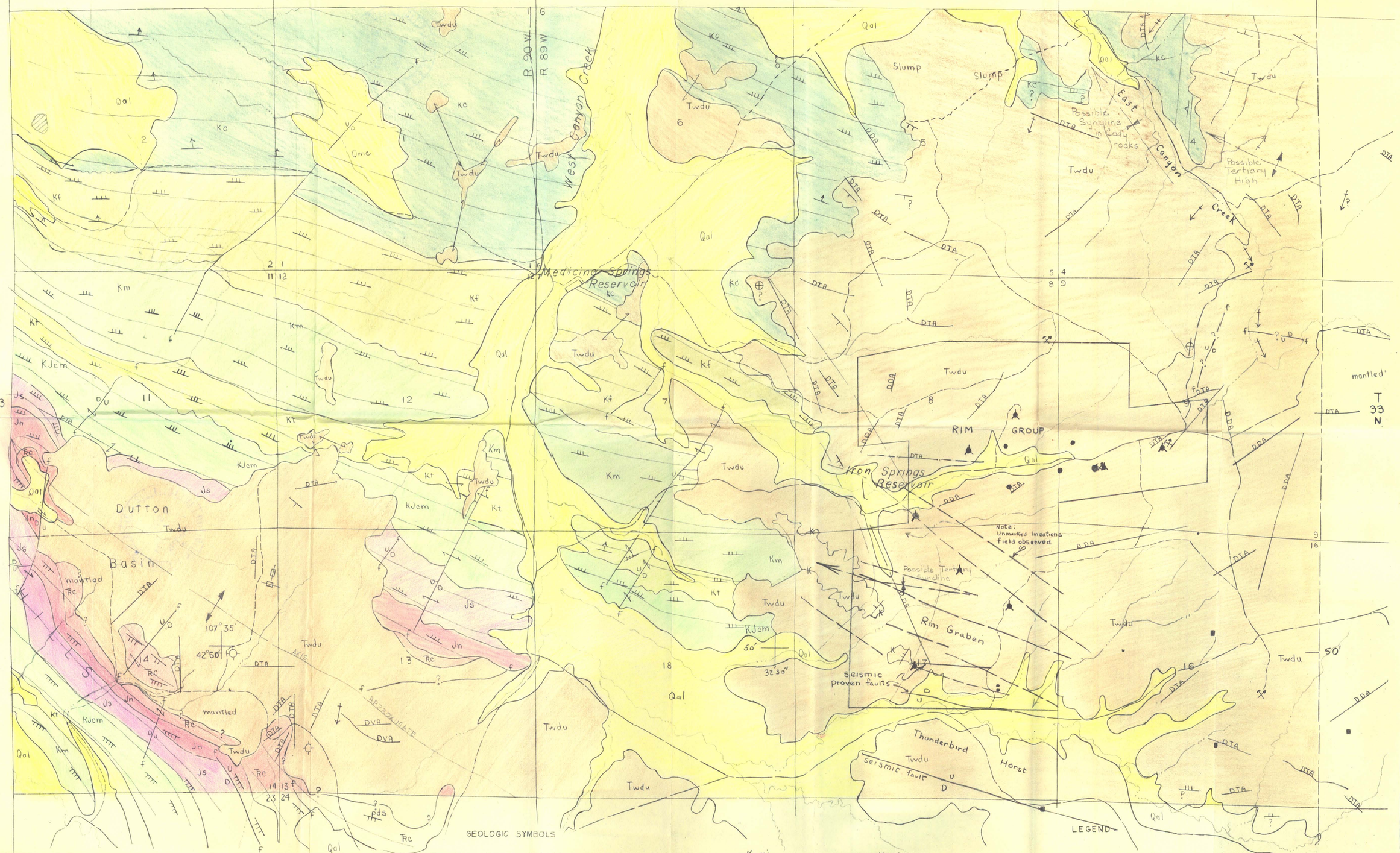
Modified slightly from applicant's map, with added data from H. D. Zeller.

1 MILE

FIGURE 2-GEOLOGIC MAP OF PART OF EAST GAS HILLS URANIUM DISTRICT, WYOMING

URANIUM RESEARCH AND DEVELOPMENT COMPANY

DMEA DOCKET 4644



GEOLOGIC SYMBOLS

- Linear outcrop appears horizontal on photographs
- Dip & Strike — Dip Component
  - Group 1, 3° or less
  - Group 2, 3° to 10°
  - Group 3, 10° to 25°
  - Group 4, 25° to 45°
  - Dip and strike (Amount of dip cannot be estimated on photographs)
- Fault
- Fault, probable
- DTA — Distinct topographic alignment
- DDA — Distinct drainage alignment
- DVA — Distinct vegetation alignment
- Key bed
- Joints

½ mi. ½ mi.

Scale 1:12000

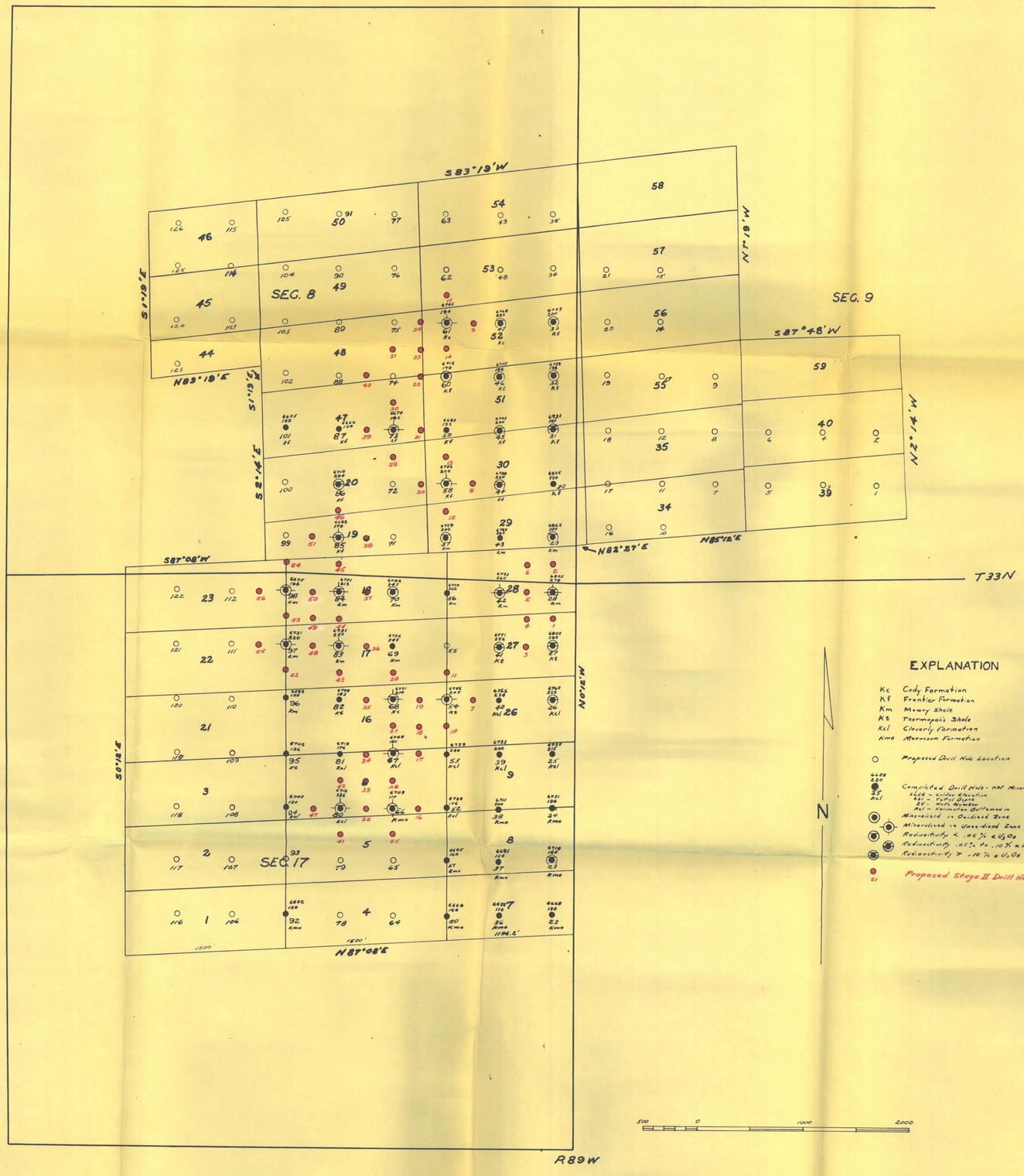
CULTURAL AND GEOGRAPHIC SYMBOLS

- Improved road
- Minor road or trail
- Reservoir
- Dry hole
- Playa
- Stream
- Spring
- Mine
- Building
- Surface radioactivity anomaly
- Area previously drilled

LEGEND

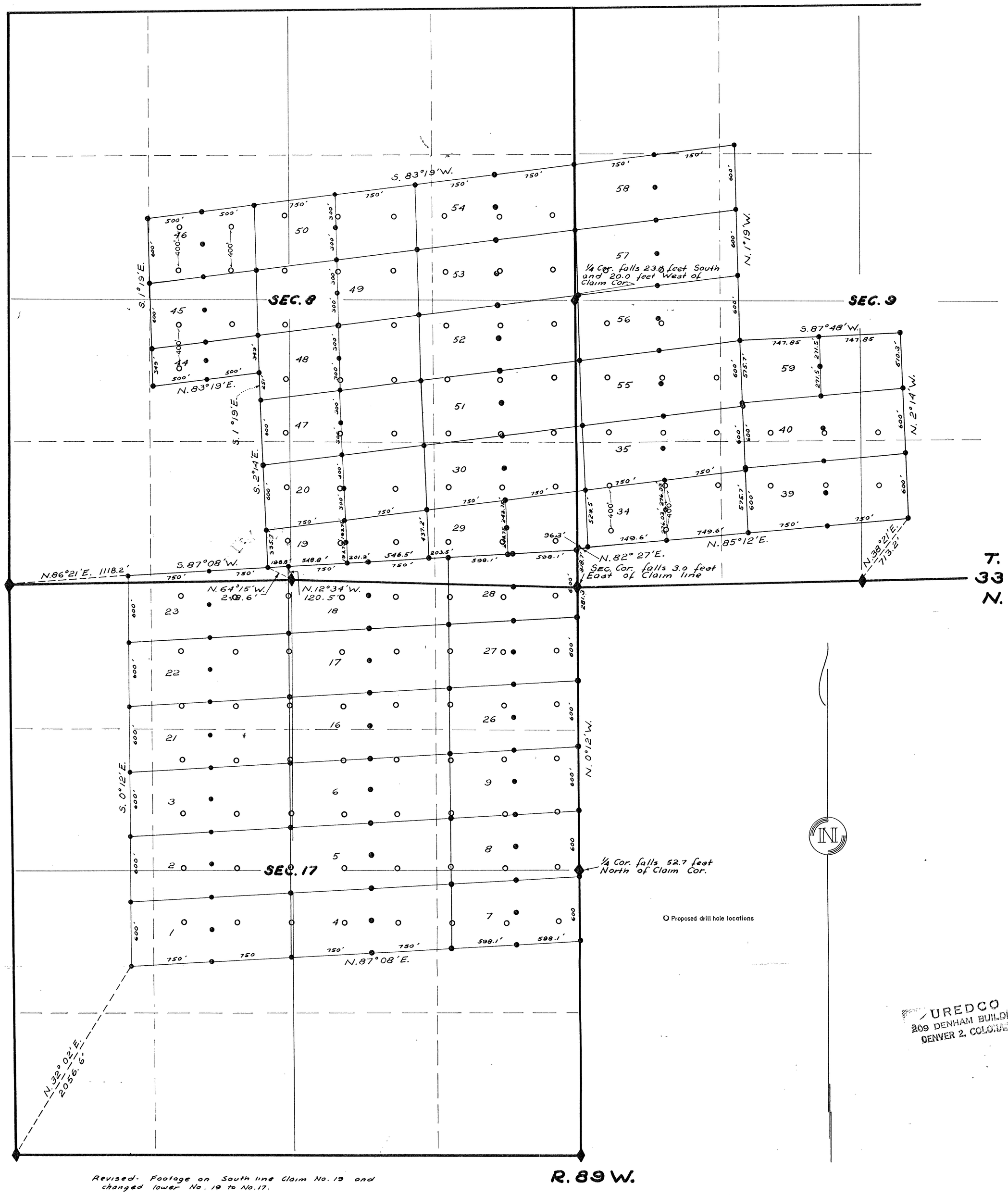
QUATERNARY	Qal	Alluvium
	Qmc	Mantle cover
TERTIARY	Twdu	Wind River (upper coarse grained facies) fm.
CRETACEOUS	Kc	Cody sh.
	Kf	Frontier fm.
	Km	Mowry sh.
	Kt	Thermopolis sh.
	KJcm	Cloverly-Morrison fms undif.
JURASSIC	Js	Sundance fm.
	Jn	Nugget ss.
TRIASSIC	Rc	Chugwater fm.

Rim Group.



CLAIM MAP SHOWING DRILL HOLE LOCATIONS
URANIUM RESEARCH AND DEVELOPMENT COMPANY - RIM GROUP
T. 33 N., R. 89 W., FREMONT COUNTY, WYOMING

DMEA DOCKET 4644



Revised- Footage on South line Claim No. 19 and changed lower No. 19 to No. 17.

CERTIFICATE OF SURVEYOR

STATE OF WYOMING }ss
County of Fremont}

I, Floyd A. Bishop of Lander, Wyo. hereby certify that this map was made from notes taken during an actual survey made by me on April 25-30 and May 2, 3, 1955 and that it correctly represents the location of the "Rim Group Claims" as staked on the ground during said survey. All distances were measured with a steel tape, making slope corrections by use of Clinometer. All angles were turned with an engineers transit or theodolite. Bearings were determined by solar observation.

Floyd A. Bishop
P. E. & L. S. WYO. LICENSE #303

MAP SHOWING AMENDED LOCATION OF LODE MINING CLAIMS OF THE

RIM GROUP

IN SEC. 8, 9, & 17, T. 33 N., R. 89 W.
FREMONT COUNTY, WYO.
SCALE 1" = 500'

UREDCO
209 DENHAM BUILDING
DENVER 2, COLORADO

V01

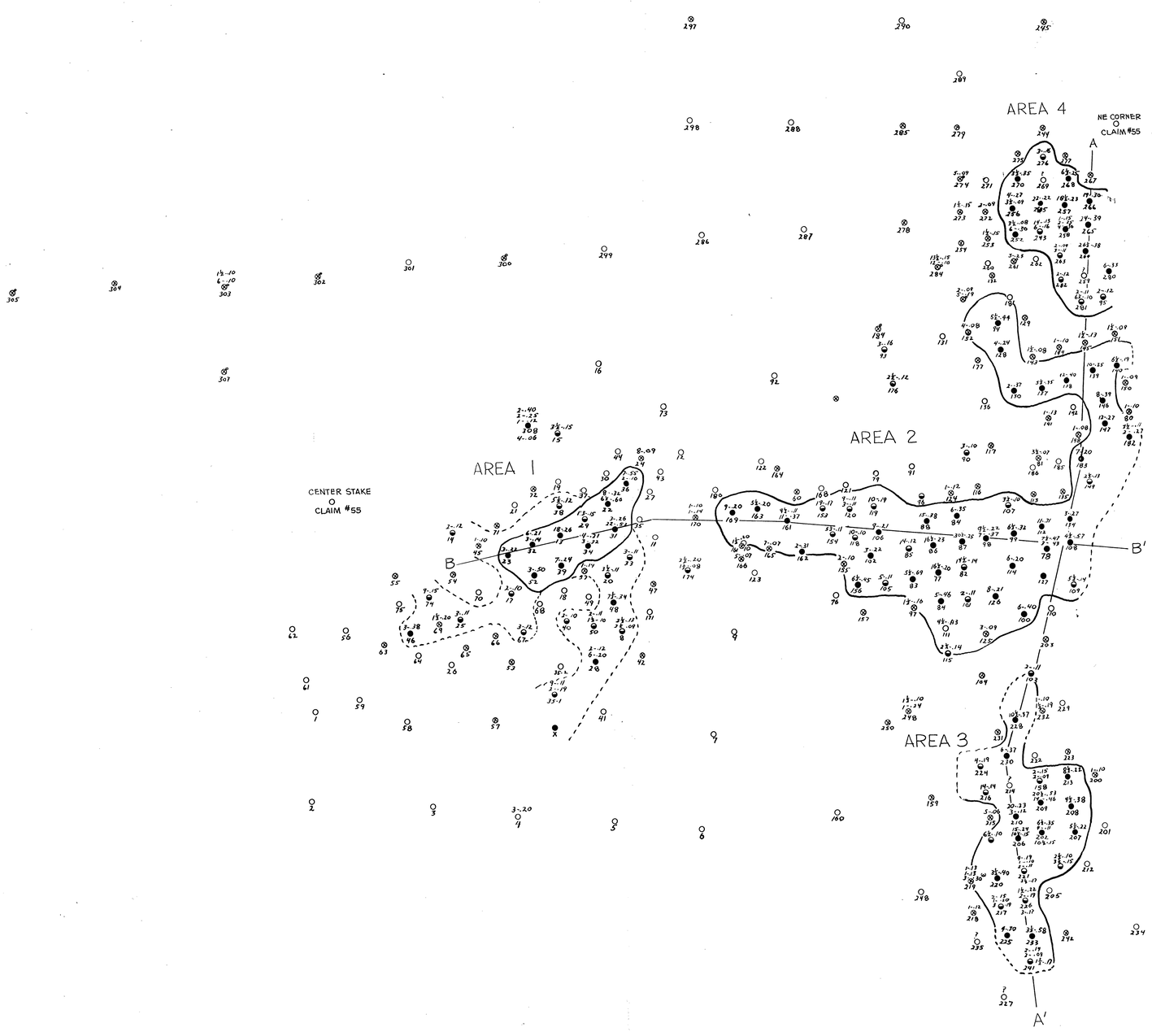
DRILL HOLE LOCATION AND ASSAY MAP ~ CLAIM 55 ~ RIM GROUP

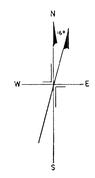
FREMONT COUNTY, WYOMING

PREPARED BY
URANIUM RESEARCH AND DEVELOPMENT CO.
DENVER COLORADO

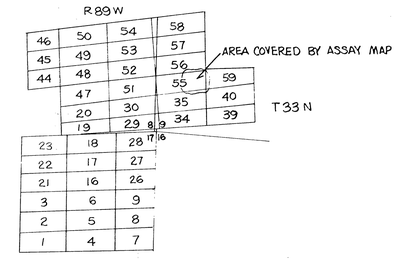
SCALE 1 INCH = 50 FEET

0 50 100 150





RIM GROUP CLAIMS



EXPLANATION

- 0.2% U_3O_8 (6 FEET OF 20% - HOLE No. 114)
- 0.10% TO 20% U_3O_8
- MINERALIZED (LESS THAN 0.10%)
- MINERALIZED IN OXIDIZED ZONE
- DEAD HOLE

INDICATED RESERVES 52,465 TONS 0.26% U_3O_8

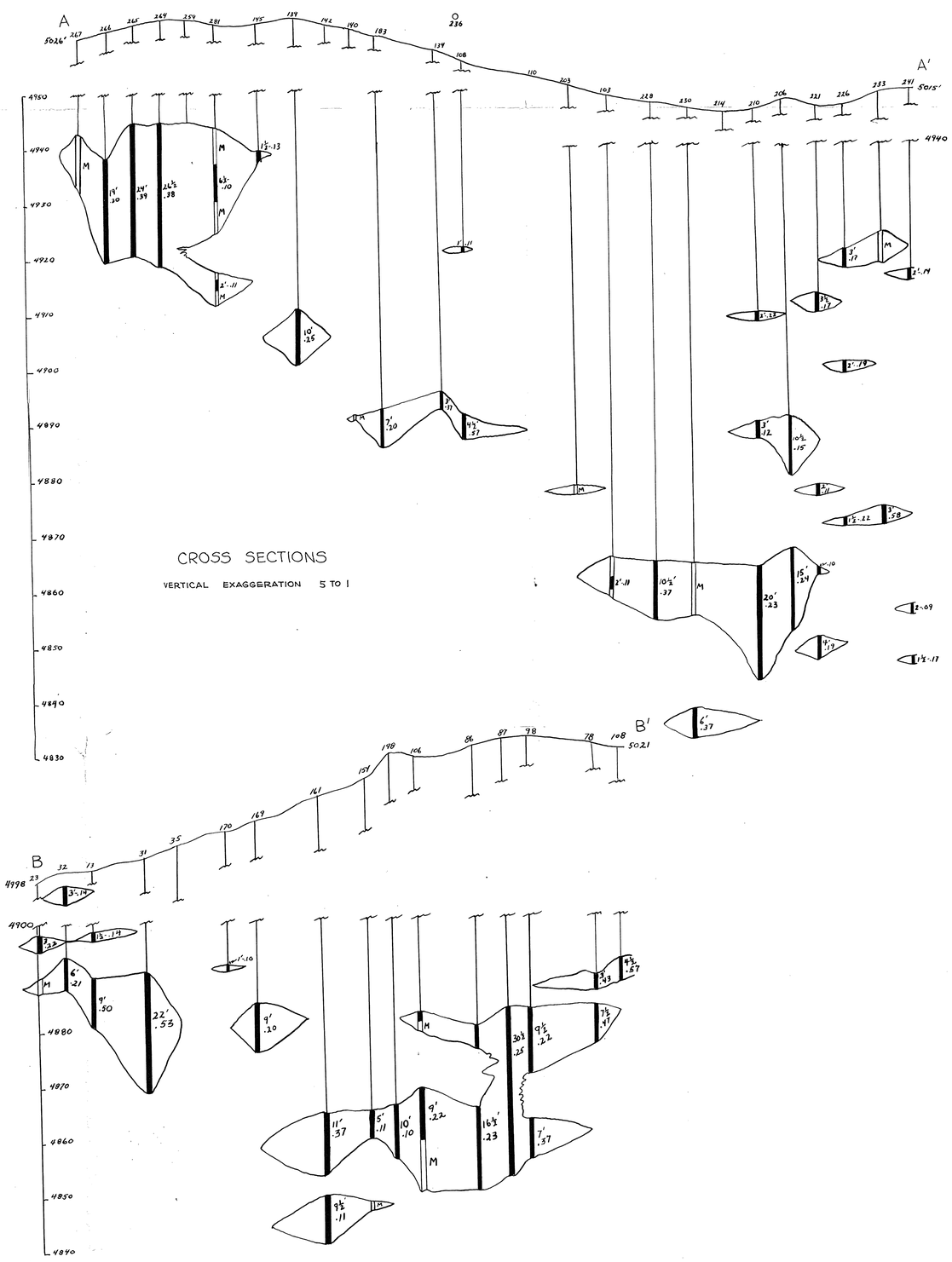
AREA 1
WITHIN SOLID LINE:
4600 TONS 0.40% U_3O_8
6½' AVERAGE THICKNESS
WITHIN DASHED LINE:
4800 TONS 0.15% U_3O_8
4' AVERAGE THICKNESS
} 9400 TONS 0.26% U_3O_8, 5' AVERAGE THICKNESS

AREA 2
21,900 TONS 0.27% U_3O_8
6½' AVERAGE THICKNESS

AREA 3
12,785 TONS 0.26% U_3O_8
6' AVERAGE THICKNESS

AREA 4
8380 TONS 0.25% U_3O_8

NOTE:
ORE ZONE AREA 1 BETWEEN 100' AND 130' DEPTH
ORE ZONES AREAS 2 AND 3 BETWEEN 90' AND 170' DEPTH
ORE ZONE AREA 4 BETWEEN 70' AND 120' DEPTH



CROSS SECTIONS

VERTICAL EXAGGERATION 5 TO 1

Fig 2

CLAIM MAP SHOWING DRILL HOLE LOCATIONS AND MINERALIZATION ON A PART OF THE RIM CLAIMS
URANIUM RESEARCH AND DEVELOPMENT COMPANY
T 33N, R89W, FREMONT COUNTY, WYO.

Fig 1

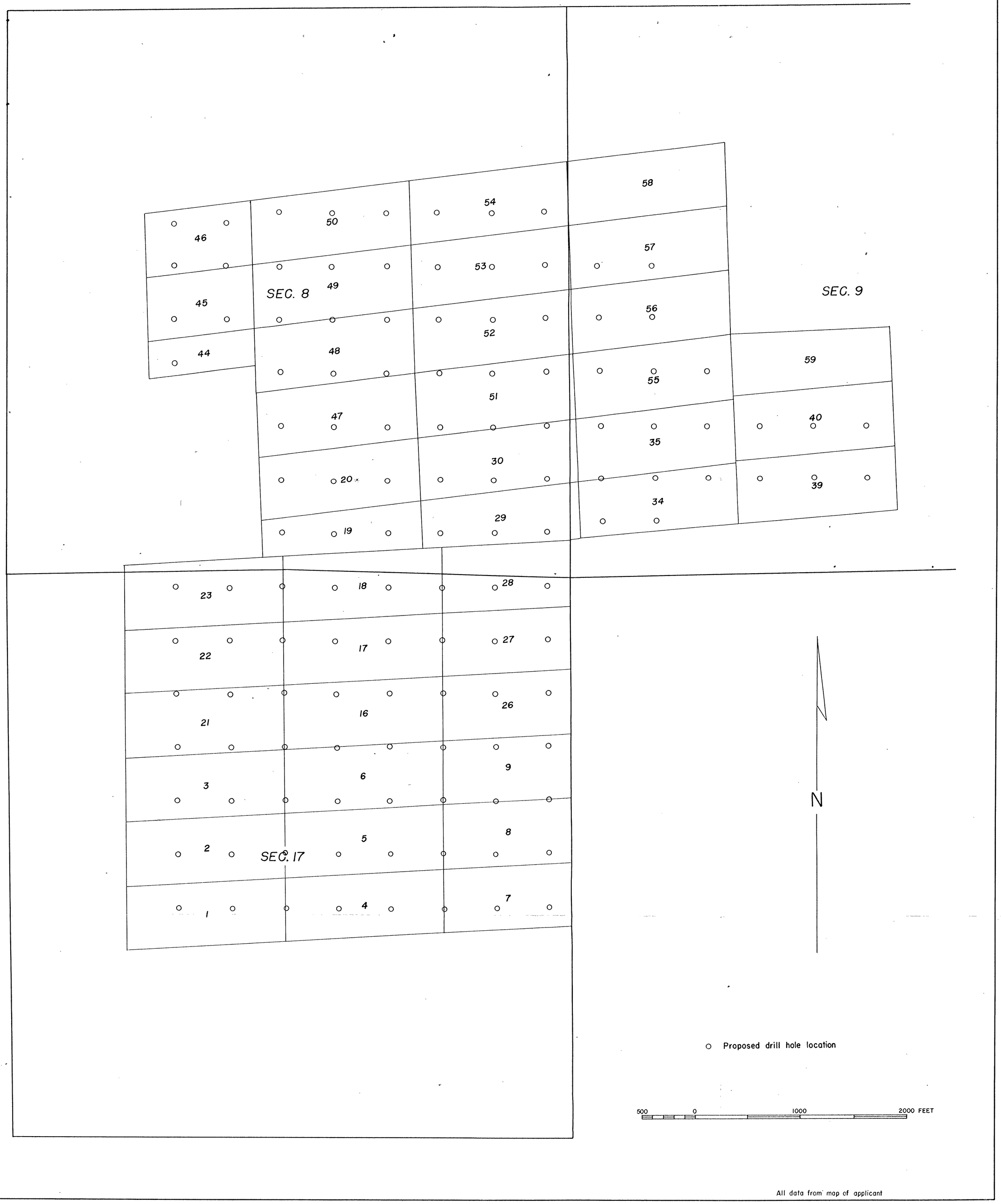


FIGURE 2. CLAIM MAP SHOWING PROPOSED DRILL HOLES
URANIUM RESEARCH AND DEVELOPMENT COMPANY - RIM GROUP
T. 33 N., R. 89 W., FREMONT COUNTY, WYOMING

DMEA DOCKET 4644