IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

1142

IMEA NO. 4312

15 OCT 1957

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(Withdrawn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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

104's

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9778

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
4/15/59	Howard	700
Hold until 6/29/59	Talbut	800
		120
		~~110~~
		~~100~~
		220
		225

1959

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Contract No. Idm-41142

Dear Mr. Garner:

Reference is made to your terminated exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the operator to keep and preserve certain records for the period indicated.

We appreciate your interest and participation in the DMEA exploration program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

Frank E. Johnson (for)

Acting Director

cc: Vernon Bradley, 2612 Axtell Street, Clovis, New Mexico
Doyle Saul, Saul Ranch, Silverton, Texas
A. V. Wilson, General Delivery, Silverton, Texas

FLKnouse/gla
4-13-59
cc to: Director's Reading File
Div. of Contract Adm. & Audit
OME Field Team, Region IV (2)
Mr. Knouse

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
4/13/59	Knouse	700
Hold until 6/29/59	Talbut	800
		120
		~~110~~
		~~100~~
7-9	gad	220
7-10	gad	225

JUL 9 1959

Mr. D. J. Cronkhite
Attorney-in-Fact
American Automobile Insurance Company
1315 Pacific Avenue
Dallas, Texas

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Contract No. Idm-E1142

Dear Mr. Cronkhite:

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

The property as set forth in the contract is covered by your Performance Bond, dated September 6, 1957, under the captioned name and contract number.

In the absence of certification, the Government retains no claim against the bonding company that assumed the responsibility for performance under the contract.

Sincerely yours,

Frank E. Johnson (for)

Acting Director

Enclosure

FLKnouse/gla
4-13-59
cc to: Director's Reading File
Div. of Contract Adm. & Audit
OME Field Team, Region IV (2)
Mr. Knouse

43683

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. Mr. Frank E. Johnson	FEJ	3/23
2. Mr. George C. Selfridge		
3. Mr. F. L. Knouse		3/30
4.		
5.		
FROM: Jay L. Chambers	JLC	3/23

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions XXX Your information

REMARKS:

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Reinecke County Uranium Company
815 Oakland Street
Houston, Texas

pertaining to Exploration Project Contract No. Ln-21142, MEA No. 4312, including Amendments Nos. 1 and 2, for January 1956 to May 1956, inclusive, and Termination Agreement effective June 1, 1956, covering a uranium project at the Hatteberg Mine, Reinecke County, Texas.

My review included an examination of the Monthly Reports (Forms EP-261) and supporting documents, comparison of the claimed costs with the contract and pertinent schedules, verification of work performed by reference to Field Team reports and correspondence in the Region IV office on September 27 and 28, 1956, 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 periods given in the attached schedule.

The findings of this review are stated in the following summary and the attached schedule:

Total cost billed by Operator		$[illegible].30
Exceptions:		
Prior to this review	$[illegible]	
Reparable	[illegible]	[illegible]
Total acceptable cost		[illegible]

The contract calls for a 75 percent contribution of the allowable costs by the Government. Therefore, if the project is otherwise complete, including not the issue of the contract, payments as follows are valid and payable:

Payable on audited claim	[illegible]
Paid to date	[illegible]
Balance due Operator	[illegible]

Pd. to Oper. 4/2/59

G. E. Fisher
G. E. Fisher, Auditor

March 28, 1958

Reasons for Deferral of Review in Lieu of a Final Audit:

(a) a major portion ($3,146.30) of the costs covered work performed at unit rates under Subcontract contracts;
(b) the Monthly Reports were supported by documentary proof of the costs under the contract; and
(c) the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible further disallowances.

Exceptions Prior to the Review:

Non-core drilling - April 1958

Claimed by Operator	- 1,716 feet @ $0.95	$1,[illegible]
Accepted by Field Team	[illegible] feet @ $0.95	[illegible]
Difference	[illegible] feet @ $0.95	[illegible]

Exceptions Remedied:

Non-core drilling - May 1958

Claimed by Operator	- 1,0[illegible] feet @ $0.95	$1,[illegible]
Accepted by Field Team	- [illegible] feet @ $0.95	[illegible]
Difference	[illegible] feet @ $0.95	[illegible]

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MAR 16 1959

BUREAU OF MINES
JOPLIN, MO.

Government's copy

MAR 19 1959
O.M.E.

Rpt by Lawyer
Appvd. 9/60
Talbert

TERMINATION AGREEMENT

It is agreed this 5th day of December, 1958, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government", and Briscoe County Uranium Company, hereinafter called the "Operator", parties to that certain Exploration Project Contract No. Idm-E1142, Docket No. DMEA-4312, dated October 15, 1957, 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 not contribute to the cost of any work performed after 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 Frank E. Johnson
Acting Director, Office of Minerals Exploration

BRISCOE COUNTY URANIUM COMPANY

By Dick Garner

Title Executive Partner

November 26, 1958

Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

JUSTIFICATION FOR TERMINATION AGREEMENT

Eighty-three hours of bulldozing, or about one-quarter of the time, allowed, excavated 20 pits and trenches ranging from one to eight feet deep. Although this work indicated that uranium mineralization of significant grade occurs widespread over the property, the deposits are limited to thin, discontinuous lenses less than six inches thick. These mineral occurrences did not justify the drilling pattern outlined in the contract and the drill-hole locations were modified by the Field Team and Operator.

Thirty-seven non-core holes were drilled ranging from 40 to 100 feet in depth, aggregating about 2,260 feet, and two core holes, one 90 feet and one 60 feet deep, were drilled. Only minor radioactivity was encountered in three of the 37 non-core holes. The Field Team has tentatively concluded that no "certification" can be recommended.

The project work was completed by June 1, 1958, and no further work is justified. Therefore, the contract should be terminated.

F. L. Knouse

Government's copy

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MAR 31 1958
BUREAU OF MINES
JOPLIN, MO.

Long
Dempsey
App'd. Sol. Off.
Kuegese
Ellis
Chapphus
Selfridge
Johnson
Whitendorp

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312

AMENDMENT NO. 2

It is agreed this 1st day of March 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Briscoe County Uranium Company, that Exploration Project Contract No. Idm-E1142, Docket No. DMEA-4312, dated October 15, 1957, as amended, is further amended as follows:

1. The date fixed in Article 3 for completion of the work as extended by Amendment No. 1 to March 1, 1958, is further extended to June 1, 1958.

2. The maximum period for royalty payments and the lien to secure the payment thereof, provided for in Article 8(b)(2) of the contract, is increased from ten (10) to eleven (11) years from the date of the contract.

This amendment shall not 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."

Executed in quintuplicate on the day and year first above written.

THE UNITED STATES OF AMERICA

By Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

BRISCOE COUNTY URANIUM COMPANY

By Dick Gerner
Title Executive Partner

RECEIVED

Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

JUSTIFICATION FOR AMENDMENT NO. 2

The Field Team recommends that, because of bad weather conditions and the reported exposures of uranium made in the rim stripping operations, the contract completion date be extended three months to allow the Operator time to complete the work.

The writer is in accord with the Field Team's recommendation and also recommends that Amendment No. 2 be approved.

F. L. Knouse

F. L. Knouse

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MINERALS TECHNOLOGY
DIVISION

DEC 9 1957

BUREAU OF MINES
JOPLIN, MO.

EXPLORATION PROJECT CONTRACT IDM-E1142
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312(URANIUM)

AMENDMENT NO. 1

It is agreed the 23rd day of October, 1957 between The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and the Briscoe County Uranium Company, that Exploration Project Contract Idm-E1142 (Docket No. DMEA-4312) is hereby amended as follows:

In the second sentence of Article 3 the date November 1, 1957, is changed to January 1, 1958, and the next date in that sentence, January 1, 1958, is changed to March 1, 1958.

This amendment shall be effective as of October 15, 1957.

This amendment shall not be construed to increase the estimated total cost of the project or the aggregate amount which the Government may be required to contribute.

Executed in quintuplicate on the 18th day of November, 1957.

BRISCOE COUNTY URANIUM COMPANY

By Dick Garner
Dick Garner
Title: Partner with Power of Attorney

THE UNITED STATES OF AMERICA

By Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

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DIVISION

AUG 21 1957

BUREAU OF MINES
JOPLIN, MO.

MF-200
(Revised June 1954)

Docket No. DMEA -4312

Commodity Uranium

Contract No. Idm-E-1163

RECEIVED
OCT 7 1957
D.M.E.A.

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this 15 OCT 1957 day of ....., 195..., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Briscoe County Uranium Company, a partnership organized in the State of Texas, comprised of Dick Garner, ~~Jack N. Dixon~~, Vernon Bradley, Doyle Saul, and A. V. Wilson, whose mailing address is 515 Oakland Street Plainview, Texas, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200), the attached Exhibit "A," Annex I, and map Figure 2

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

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Texas, County of Briscoe, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Lessee of [5] the mineral rights (except oil and gas) in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] Lease, [7] recorded in ~~Book~~ Volume 50, pages 567-570, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: interests of lessors and of United Fidelity Life Insurance Company

(c) 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

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien and Subordination Agreement of lessors and of United Fidelity Life Insurance Company, or Pefformance Bond dated September 6, 1957, American Automobile Insurance Company, in the amount of $8,337.00.

(d) 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. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, 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. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Uranium. The work to be performed is described in Exhibit "A." The Operator on or before November 1, 1957, shall commence the work, and on or before January 1, 1958 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall either have completed the work or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A."

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *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 a 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 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $11,116.00. The Government shall contribute 75 percent of the allowable costs as they are incurred in a total sum not in excess of $8,337.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work.

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums. **See Article 13**

CATEGORY (2)—PERSONAL SERVICES.

Subcategory (a)—Supervision.—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)—Technical services.—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

Subcategory (c)—Labor.

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

Subcategory (a)—Rental.—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)—Purchases.—The estimated total of this subcategory is a maximum.

Subcategory (c)—Depreciation.—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).—The estimated total of this subcategory is a maximum.

Subcategory (b)—Initial rehabilitation and repairs of operating equipment.—The estimated total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9. See Article 13.

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the 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. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. 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 any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(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 detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and 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 related costs incurred.

(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 8. *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 a sufficient final report and final account (see Article 7) has been rendered, 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, 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, within 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 or 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) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(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 therof in the form in which and at the time when 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 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 10. *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: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) 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.

(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: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) 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 remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *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 his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *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 13. *Changes and added provisions.*—

(a) Notwithstanding any other provision of the contract, the allowable unit cost per foot of a drilling item is the average unit cost per foot computed on the basis of all the actual unit costs of said drilling item incurred by the Operator: Provided, That the Government will not contribute to any portion of an average unit cost of a drilling item that exceeds the estimated unit cost of said item set forth in the contract.

(b) In the last sentence of Article 6(c), the words "Article 8" are substituted for the words "Article 9."

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

BRISCOE COUNTY URANIUM COMPANY
(Operator)

By Dick Garner

Title _____

STATE OF TEXAS ⎫
⎬
COUNTY OF HALE ⎭

Before me, the undersigned authority, on this day personally appeared Dick Garner, a partner of Briscoe County Uranium Company, known to me to be the person and partner whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and consideration therein expressed and as the act and deed of said partnership.

Given under my hand and seal of office, this 1st day of October, 1957.

_____
Notary Public, Hale County, Texas.

OFFICIAL FILE COPY
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DATE	[illegible]	CODE

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312

ANNEX I

The land referred to in Article 2 of the Contract consists of all of Section 110, in Block B-1, in Briscoe County, Texas.

FORM 25
REVISED NOVEMBER 1950
PRESCRIBED BY GENERAL
SERVICES ADMINISTRATION
GENERAL REGULATION NO. 5

PERFORMANCE BOND

(See Instructions on Reverse)

DATE BOND EXECUTED

6 September 1957

PRINCIPAL Briscoe County Uranium Company, a partnership organized in the State of Texas, comprised of Dick Garner, ~~Jack N. Dixon~~, Vernon Bradley, Doyle Saul, and A. V. Wilson, 515 Oakland Street, Plainview, Texas

SURETY American Automobile Insurance Company, a Missouri Corporation

PENAL SUM OF BOND *(express in words and figures)*	CONTRACT NO.	DATE OF CONTRACT
Eight Thousand Three Hundred Thirty Seven and No/100 Dollars ($8,337.00)	Idm-E Docket No. DMEA-4312	

KNOW ALL MEN BY THESE PRESENTS, That we, the **PRINCIPAL** and **SURETY** above named, are held and firmly bound unto the United States of America, hereinafter called the Government, in the penal sum of the amount stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the Government, numbered and dated as shown above and hereto attached;

NOW THEREFORE, if the principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Government, with or without notice to the surety, and during the life of any guaranty required under the contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In Presence of:

WITNESS	INDIVIDUAL PRINCIPAL
1.	as to A. V. Wilson By Dick Garner [SEAL]
2.	as to Vernon Bradley By Dick Garner [SEAL]
3.	as to Dick Garner, the said Dick Garner signed individually and as Attorney in fact for Vernon Bradley and A. V. Wilson. [SEAL]
4.	as to [SEAL]

WITNESS	~~INDIVIDUAL SURETY~~
1.	as to Doyle Saul [SEAL] The above being all of the partners of The Briscoe County Uranium Company.
2.	as to [SEAL]

CORPORATE PRINCIPAL	
BUSINESS ADDRESS	
BY	AFFIX CORPORATE SEAL
TITLE	
CORPORATE SURETY	AMERICAN AUTOMOBILE INSURANCE COMPANY
BUSINESS ADDRESS	1315 Pacific Ave., Dallas, Texas.
BY	AFFIX CORPORATE SEAL
TITLE	D. J. Cronkhite, Attorney-in-Fact

Please see Clinton C. Knox letter to Oper.Com. November 7, 1957, which supplies addresses for four partners signatory to Performance Bond.

gla

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OCT 7 1957
D.M.E.A.

16—30441-2

The rate of premium on this bond is $17.50 per thousand.

Total amount of premium charged, $145.90

(The above must be filled in by corporate surety)

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, ..., certify that I am the ..... secretary of the corporation named as principal in the within bond; that .....,

who signed the said bond on behalf of the principal, was then ..... of said corporation; that I know his signature, and his signature thereto is genuine; and that said bond was duly signed, sealed, and attested for and in behalf of said corporation by authority of its governing body.

..... [CORPORATE SEAL]

INSTRUCTIONS

1. This form shall be used for construction work or the furnishing of supplies or services, whenever a performance bond is required. There shall be no deviation from this form except as authorized by the General Services Administration.

2. The surety on the bond may be any corporation authorized by the Secretary of the Treasury to act as surety, or two responsible individual sureties. Where individual sureties are used, this bond must be accompanied by a completed Affidavit of Individual Surety for each individual surety (Standard Form 28).

3. The name, including full Christian name, and business or residence address of each individual party to the bond shall be inserted in the space provided therefor, and each such party shall sign the bond with his usual signature on the line opposite the scroll seal, and if signed in Maine or New Hampshire, an adhesive seal shall be affixed opposite the signature.

4. If the principals are partners, their individual names shall appear in the space provided therefor, with the recital that they are partners composing a firm, naming it, and all the members of the firm shall execute the bond as individuals.

5. If the principal or surety is a corporation, the name of the State in which incorporated shall be inserted in the space provided therefor, and said instrument shall be executed and porate seal as indicated in the form. If the corporation has no corporate seal the which case a scroll or adhesive seal shall appear following the corporate name.

6. The official character and authority of the person or persons executing the l if a corporation, shall be certified by the secretary or assistant secretary, accordi provided. In lieu of such certificate there may be attached to the bond copies of of the corporation as will show the official character and authority of the officer si the secretary or assistant secretary, under the corporate seal, to be true copies.

7. The date of this bond must not be prior to the date of the instrument in co is given.

U. S. GOVERNMENT PRINTING OFFICE 16—30441-2

AMERICAN AUTOMOBILE INSURANCE COMPANY

SAINT LOUIS MISSOURI

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the AMERICAN AUTOMOBILE INSURANCE COMPANY, a corporation of the State of Missouri, does hereby make, constitute and appoint

D. J. Cronkhite of Dallas, Texas

its true and lawful Attorney(s) in Fact, with full power and authority, for and on behalf of the Company as surety, to execute and affix the seal of the Company thereto, if a seal is required, and deliver bonds, undertakings, recognizances or other written obligations in the nature thereof as follows:

Any and all bonds, undertakings, recognizances or other written obligations in the nature thereof,

and the execution of such bonds or undertakings in pursuance of these presents shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Saint Louis, Missouri, in their own proper persons.

This appointment is made under and by authority of Sections 5 and 7 of Article XI of the By-laws of the Company, shown on the reverse side hereof, which by-law is now in full force and effect.

IN WITNESS WHEREOF, the AMERICAN AUTOMOBILE INSURANCE COMPANY has caused these presents to be signed and its corporate seal to be hereunto affixed on August 9, 1954

AMERICAN AUTOMOBILE INSURANCE COMPANY

(SIGNED)
(SEAL)

BY L. GORDON DAVIS, Assistant Secretary — BY FRED H. DOENGES, Vice President

State of Missouri,
City of Saint Louis } ss:

On August 9, 1954, before me appeared the above-named officers of the AMERICAN AUTOMOBILE INSURANCE COMPANY, to me personally known, who, being by me duly sworn, did say that they are the individuals and officers described in and who executed the preceding instrument, 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 and direction of said corporation, and the said officers acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at the City of Saint Louis, the day and year first above written

(SIGNED)
(SEAL)

My Commission Expires September 13, 1957 — RAYMOND V. SCHOLZE, Notary Public

CERTIFICATE

State of Missouri,
City of Saint Louis } ss:

I, ROBERT D. DUNCAN, Assistant Secretary of the AMERICAN AUTOMOBILE INSURANCE COMPANY, a corporation of the State of Missouri, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by a Vice-President specially authorized so to do by the Board of Directors of the said Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company at the City of Saint Louis, this date

September 6, 1957 (Date) — Robert D. Duncan, Assistant Secretary

92023 (HO)—2-55

(Sections 5 and 7 of Article XI of the By-laws of AMERICAN AUTOMOBILE INSURANCE COMPANY)

Section 5. The President, the Executive Vice-President, or any of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint attorneys in fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and affix the seal of the Company thereto and deliver bonds, undertakings, recognizances or other written obligations in the nature thereof. Such attorneys in fact or agents may be removed and their power and authority revoked by the aforesaid officers in the same manner as such officers are empowered, by the foregoing, to appoint such attorneys in fact or agents.

Section 7. Any bond, undertaking, recognizance or other written obligation in the nature thereof shall be valid and binding upon the Company when signed by the President, the Executive Vice-President, or any of the additional Vice-Presidents specially authorized for such purpose by the Board of Directors or by the Executive Committee, and duly attested and sealed, if a seal is required, by the Secretary or any Assistant Secretary, or when signed by the President, the Executive Vice-President, or any of the additional Vice-Presidents specially authorized for such purpose by the Board of Directors or by the Executive Committee, and countersigned and sealed, if a seal is required, by a duly authorized attorney in fact or agent, and any bond, undertaking, recognizance or other written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys in fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

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RECEIVED NOV 8 1957
DATE

STATE OF NEW MEXICO)
: KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF CURRY)

That I, VERNON BRADLEY, of Curry County, Texas, do make, constitute and appoint Dick Garner my true and lawful agent and attorney in fact for me and in my name, place and stead to perform the following:

I.

To execute any contracts, bonds or undertakings of any nature in connection with the Briscoe County Uranium Company or with their exploration contract with the Defense Minerals Exploration Administration of the Department of the Interior or to execute any performance bonds required by such Defense Minerals Exploration Administration and to execute any and all other instruments of any nature necessary in connection with the operation of the Briscoe County Uranium Company, it being my intention to give the said Dick Garner full and complete power to act for me in any undertaking or obligation of the Briscoe County Uranium Company and I do expressly ratify and confirm any of his acts in the execution of any such undertakings whether listed expressly above or not.

II.

This power of attorney is to remain in full force and effect, and all persons may rely upon same and the acts and conduct of my said agent and attorney in fact until same is revoked by written instrument duly executed and acknowledged by me and recorded in the Deed Records of Hale County, Texas.

EXECUTED this 30th day of September A. D., 1957.

Vernon Bradley

STATE OF NEW MEXICO)
:
COUNTY OF CURRY)

BEFORE ME, the undersigned authority, on this day personally appeared VERNON BRADLEY, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 30th day of September A. D., 1957.

Betty Crowder
Notary Public, Curry County, New Mexico.

MY COMMISSION EXPIRES SEPT. 27, 1959

RECEIVED

DATE		

FROM: VERNON BRADLEY

TO: [illegible]

POWER OF ATTORNEY

STATE OF TEXAS ⎫
⎪ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF HALE ⎭

That I, A. V. WILSON, of Hale County, Texas, do make, constitute and appoint Dick Garner my true and lawful agent and attorney in fact for me and in my name, place and stead to perform the following:

I.

To execute any contracts, bonds or undertakings of any nature in connection with the Briscoe County Uranium Company or with their exploration contract with the Defense Minerals Exploration Administration of the Department of the Interior or to execute any performance bonds required by such Defense Minerals Exploration Administration and to execute any and all other instruments of any nature necessary in connection with the operation of the Briscoe County Uranium Company, it being my intention to give the said Dick Garner full and complete power to act for me in any undertaking or obligation of the Briscoe County Uranium Company and I do expressly ratify and confirm any of his acts in the execution of any such undertakings whether listed expressly above or not.

II.

This power of attorney is to remain in full force and effect, and all persons may rely upon same and the acts and conduct of my said agent and attorney in fact until same is revoked by written instrument duly executed and acknowledged by me and recorded in the Deed Records of Hale County, Texas.

EXECUTED this 28th day of August, A. D., 1957.

A. V. Wilson

STATE OF TEXAS ⎫
⎪
COUNTY OF HALE ⎭

BEFORE ME, the undersigned authority, on this day personally appeared A. V. WILSON, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 28th day of August, A. D., 1957.

Ruth Cates
Notary Public, Hale County, Texas.
Ruth Cates

[illegible] A. V. WILSON

TO [illegible]

POWER OF ATTORNEY

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312

EXHIBIT "A"

General Provisions

The purpose of the work is to test the calcareous sandstone in the Dockum group of Triassic age for uranium-bearing ore. The work consists of stripping the sandstone rims with a tractor in areas of radioactivity, and also non-core and core drilling from the surface.

The rim stripping shall be done with a Model D-7 Caterpillar tractor w/dozer or an equivalent size unit of another make. The stripped rim shall be radiometrically surveyed, and exposed areas of significant radioactivity shall be channel sampled across the exposure normal to the rock bedding at intervals of not less than 10 feet and such samples analyzed chemically for U_3O_8.

All holes shall be drilled through the ore-bearing Dockum calcareous sandstone and not less than five feet nor more than ten feet into the underlying red mudstone or pink sandstone. Two holes shall be core drilled their entire length, one hole in either drill hole lines Nos. I or II and one hole in either drill hole lines Nos. III or IV, each at locations approved by the Government. All other holes in drill hole lines Nos. I, II, III and IV, and holes drilled back of the rim, shall be drilled non-core. The diameter of all drill holes shall be of sufficient size so that they can be probed with standard radiometric probing equipment. Drilling depths in the four lines of holes are expected to range from 38 to 100 feet, and to average about 63 feet. The core drill holes shall be reamed and cased as necessary.

All core and cuttings shall be saved and checked for radioactivity. Cuttings from the non-core holes shall be collected at 2-foot intervals by means of a Duclone type dust collector, and all cuttings indicating radioactivity shall be analyzed chemically for U_3O_8. Cored hole sections indicating significant radioactivity shall be split into halves, and one-half of the drill core shall be analyzed chemically for U_3O_8; the other half of the core and one-half of the cuttings from the mineralized sections of the core and non-core holes, shall be furnished to the Government upon request. All the remaining core and cuttings shall be properly labeled and stored pending the Government's final inspection.

All drill holes shall be logged geologically and probed for radioactivity, and copies of each log shall be furnished to the Government with each copy of the Operator's monthly report. No hole shall be drilled nor work done closer than 100 feet to the outside boundary of the land described in Article 2 of the contract. No payment shall be made for an incompleted drill hole.

The method of all sampling is subject to the approval of the Government. No more than 100 samples shall be analyzed chemically for U_3O_8.

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

The project shall be supervised at all times by a qualified mining geologist or mining engineer who shall direct or perform the required surveying, mapping, sampling, drill hole logging, and prepare the reports pursuant to the contract. A qualified consulting geologist shall be employed to study the results of the work when the rim stripping is completed and, when the drilling is completed, to make recommendations and submit a final report on the project work.

Description of the Work

The work shall be done in the sequence described below:

Work Items:

1. Strip the rim areas shown in red color on the attached map entitled "Figure 2 - Geologic Map of Saul Ranch (Rattlesnake Mine) Briscoe County Uranium Company - Briscoe County, Texas, Showing Recommended Exploration - Docket DMEA 4312."

2. Behind each rim where significant mineralization is exposed by Item 1 work, two parallel lines of holes shall be drilled. The first line of holes drilled shall be not closer than 150 feet from the rim, and the second line shall be not closer than 100 feet from the first line. The holes along each line shall be spaced not closer than 100 feet apart and shall be drilled on a staggered grid across the indicated trend of mineralization. The locations of these holes must have the prior written approval of the Government.

Not more than 2,800 feet of non-core drilling and 150 feet of core drilling shall be done behind these rims.

In the event that rim stripping does not expose significant mineralization warranting drilling, then the alternate work described in Work Items 3 and/or 4 shall be performed.

3. If Item 1 work does not expose any significant mineralization along the rim in the south central part of the property, then 25 non-core holes and one core drill hole, the locations being subject to the approval of the Government, shall be drilled in drill lines Nos. III and IV, aggregating approximately 1,775 feet of non-core and 75 feet of core drilling.

4. If Item 1 work does not expose any significant mineralization along the rim of the northwest trending draw in the west central part of the property, then 20 non-core holes and one core drill hole, the locations being subject to the approval of the Government, shall be drilled in the drill lines Nos. I and II aggregating approximately 1,025 feet of non-core and 75 feet of core drilling.

Not more than 2,800 feet of non-core drilling and not more than 150 feet of core drilling shall be performed under this contract. The approximate locations of drill hole lines Nos. I, II, III, and IV are shown on the map, Figure 2, referred to in Item 1 above. Lines Nos. I and II and lines Nos. III and IV shall be not less than 100 feet apart.

Estimated Cost of the Project
(In addition to the maximums set forth in Article 6, an asterisk indicates maximum.)

Actual Cost

Category (1) Independent Contracts

350 hours of actual tractor w/dozer operating time (including operator and all necessary costs) @ $12.50/hr.	$4,375.00	
2,800 feet non-core drilling @ $0.95/ft.	2,660.00	
150 feet core drilling @ $1.55/ft.	232.50	$7,267.50

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 Supervising engineer or geologist @ $500.00/mo. - 3½ months	$1,750.00
1 Sampler @ $300.00/mo. - 1½ months	450.00

1 Consulting geologist @ $100.00/da., 4 days The rate of $100.00/da. includes: Compensation @ $75.00/day Travel expenses @ $10.00/day Per diem @ $15.00/day		$ 400.00	
Subcategory (c) Labor	None		$2,600.00
Category (3) Operating Materials and Supplies			
8 Paper core boxes @ $1.00* each		$ 8.00	
Paper sample sacks		20.00	28.00
Category (4) Operating Equipment			
Subcategory (a) Rental			
1 Pick-up truck or automobile @ $0.07/mi., 3,500 miles		245.00	
1 Radiometric hole probing unit @ $100.00/mo., 2 months		200.00	
Subcategories (b) and (c) Purchase and Depreciation	None		445.00
Category (5) Initial Rehabilitation and Repairs	None		
Category (6) New Buildings, Fixtures and Installations	None		
Category (7) Miscellaneous			
100* Sample chemical analyses @ $5.00*/each sample		500.00	
Payroll taxes for the supervisor and sampler @ 12½ percent of $2,200.00		275.00	775.00
Estimated Total Cost of Project (rounded to)			$11,116.00
Government Participation @ 75 per cent			$ 8,337.00

11/26/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

RECEIVED NOV 26 1956 D.M.E.A.

November 23, 1956

DMEA Operating Committee
Department of the Interior
Washington, D. C.

Re: DMEA-4312 (uranium)
Briscoe County Uranium Co.
Saul Ranch mine
Quitaque, Texas

Dear Sir:

Forwarded herewith are two copies of supplemental application data and maps received from the subject applicant today as requested in my letter to it on October 3.

As indicated in this November 18 memorandum from the Applicant representative, Mr. Paul Whelan, copies of each the memorandum, the three drilling bids, and the topographic-geologic map on 200 scale have been furnished Robert King, U. S. Geological Survey, Denver, directly following Mr. Whelan's discussions with King in Denver last week.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.
King,USGS,Denver
4312 file

From: Paul Whelan Box 3074, Lubbock, Texas
Subject: DMEA Loan Application for Briscoe Co. Uranium Co.
Letter of Transmittal and Addendum to Application
Docket No. DMEA-4312
To: Mr. Clinton C. Knox, Exec. Officer, DMEA, Box 431
Joplin, Mo.

RECEIVED
MINERAL TECHNOLOGY
DIVISION
NOV 23 1956
BUREAU OF MINES
ROLLA, MO.

Enclosed are three copies each of the suggested map and three drilling bids mentioned in your letter of October 3. Bob King of the Denver office has one copy of the map and I am sending him one copy each of the three drilling bids. I met with Bob in Denver last Wednesday and went over this program with him, in fact he was extremely helpful in formulating most of the proposed exploration program as outlined below.

We propose in Stage one to drill a total of 30 plug bit holes down through the favorable grey calcareous sandstone and to a maximum of 10 feet into the red formation immediately below; all of these holes to be probed and logged soon after drilling and cuttings caught where possible. We further propose to drill 3 core holes (cored from collar to bottom) for geologic information, one to be located in each fence and samples from these assayed for uranium and vanadium. Since a NE-SW trend was noted in a body of low grade ore on the section adjacent and to the north of this one, we have indicated these fences in a NW-SE direction and are placed, we beleive in the most likely area to disclose new areas for detailed exploration.

The trenches shown on the map are also indicated to come under Stage one and are to be nominally 3'x10' deep x100' long approximately as located on the map.

Assuming the very slight West dip in this region to be practically negligable the estimated total plug bit footage is about 2500 feet and the cored footage about 300 ft. for Stage one, with ten trenches of about a total of 3000 cu. yards of earth and rock to be moved.

Stage two would then consist of perhaps 6,000 feet or more of plug bit drilling to extend favorable areas at a spacing of 200 feet and to offset mineralized holes at a minimum spacing of 100 feet.

Stage one cost estimates:	Total	Unit Cost
Direct drilling cost	$2750.00	$1.10
Surveying, probing and supervision	$ 750.00	$ .30
Bulldozing req'd for ½ of drill sites and roads	$ 875.00	$ .35
Assays, 100 @ $5.00	$ 500.00	$ .20
Total cost for 2500 feet	$4875.00	$1.95/foot
Total cost for 300 feet(cored)	$ 765.00	$2.55/foot
Total cost for 3000cu.ft.trench	$3000.00	$1.00/ft.^{3}
Total cost, blast holes, incl. dynamite(for trenches)	$1500.00	$1.00/ft.
Grand Total for Stage one	$10140.00	

(continued)
The blasting will be necessary where the trenching is in rock (based on our experience removing the 24,000 # of ore.

The figure of $1.00 per foot^3 for cutting the trenches is based on information from local dirt moving contractors where rock is involved.

If this does not furnish the needed information we will be glad to meet with you at Joplin at any time with any further information.

Sincerely yours,

Paul Whelan

Paul Whelan, for
Briscoe Co. Uranium Co.
515 Oakland
Plainview, Texas

encl.(12)

cc: (3)Addressee
King,USGS, Denver
Office file

November 18, 1956

W. PERRY SMITH
Drilling Contractor
Box I02
Silverton, Texas
October 20, I956

Briscoe County Uranium Co.
Plainview, Texas

Dear Sirs:

I propose to do I0,000 feet or more of drilling not to exceed a depth of 300 feet and to an average depth of I00 to I50 feet on the Paul Ranch, all non-core drilling at a total cost of 95¢ per foot, (ninety-five cents per foot).

The core drilling in this area will run a total of $1.55 per foot.

Drilling will be done with water or air.

Respectfully submitted,

W. Perry Smith

W. Perry Smith

PHONE 586-J 809-B MILES

RED HILL URANIUM LTD

RADIATION SURVEY-GRID SERVICE
CONSULTANT - PROSPECTOR - CONTACTS
RADIATION SCINTILLATION OF SAMPLES
GENERAL INFORMATION CLAIMS - LEASES

HEREFORD, TEXAS

Oct. 25, 1956
Briscoe County Uranium Co.
% Paul Whelan
Box 3074
Lubbock, Texas

Dear Sirs,
The drilling on section #110 will run as follows:

Non-core holes to 300'	$1.15/foot
Core holes	$1.70/foot

These prices are based on a minimum of 10,000 feet or more.

sincerely,
Henry H. Hill
Pres.

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NOV 28 1956
D.M.E.A.

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MINERAL PROCESSING
DIVISION

NOV 23 1956

BUREAU OF MINES
JOPLIN, MO.

E. E. FLAKE
PHONE 630

H. O. BOGLE, SR.
PHONE 2641-J-1

B. & F. Drilling Company

1001 AUSTIN STREET

Plainview, Texas

October [illegible], 1953

Briscoe County Uranium Co.
Plainview, Texas

Dear Sirs:

I propose to drill [illegible],000 feet or more on the Saul Ranch in Briscoe County, said hole not to exceed [illegible]00 feet in depth, but will average approximately 1[illegible]0 feet per hole, price schedule as follows:

$1.[illegible] per foot for straight drilling,
$1.[illegible]0 per foot for core drilling.

Sincerely,
B. & F. Drilling Co.,
by E E Flake

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NOV 23 1956
P.M.E.A.

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MINERALS TECHNOLOGY
DIVISION

NOV 23 1956

BUREAU OF MINES
JOPLIN, MO.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-4312
Metal or Mineral URANIUM
Date Received 5/28/56
Estimated Cost $215,917.00
Participation (Governme

RECEIVED
MAY 28 1956

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: SEE ATTACHED EXHIBIT FOR ANSWERS TO ALL QUESTIONS ASKED IN THIS APPLICATION FORM.
See Paul Whelan letter July 3, 1956 for company's address

(*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

(*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

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

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

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

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

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

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

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

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

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

.....

(*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 ..... days and be completed within ..... months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 25, 1956

BRISCOE COUNTY URANIUM COMPANY,
(Applicant)

By Erich Harmon
Doyle Saul

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

E X H I B I T

ANSWERS TO QUESTIONS ON FORM MF-103

RECEIVED
MAY 28 1956

1. (a) Briscoe County Uranium Company.
   (b) A partnership organized in the State of Texas.
   (c) Not applicable.
   (d) Dick Garner, 515 Oakland Street, Plainview, Texas;
   Jack H. Dixon, Eagle Lake, Texas;
   Vernon Bradley, 2612 Axtell Street, Clovis, New Mexico;
   Doyle Saul, Silverton, Texas;
   A. V. Wilson, Silverton, Texas.

3. (a) Section 110, Block B-1, Briscoe County, Texas.
   (b) Rattlesnake Mine.
   (c) Lessee.
   (d) Four (4) certified copies of mineral lease included herewith.
   (e) Not applicable.
   (f) Not applicable.

4. For answers to these questions see attached geological report.

5. (a) Uranium.
   (b) See attached geological report.
   (c) The work will start within ten (10) days and be completed within eighteen (18) months and ten (10) days from the date of an exploration project contract.
   (d) Mr. Paul Whelan, Consulting Geophysicist, will supervise the operations of the partnership.
   (e) He has eight (8) years experience in exploration geophysics and two and one-half ($2\frac{1}{2}$) years in a supervisory capacity in uranium and thorium exploration; especially aerial prospecting, core and plug drilling, in charge of claim staking, surveying, road building, operations, strip mining operations and property evaluation in southern, central and northwest New Mexico, southern Colorado, Southeast Utah and central and northeast Wyoming.

6. (a) Independent contracts. - None.
   (b) Labor, supervision, consultants. -

(1)	Final Engineer's Report		$ 750.00
(2)	Geological Consultant & Supervisor	- $750.00 per mo.	13,500.00
(3)	Bulldozer Operator	- $2.50 per hour	7,800.00
(4)	Two (2) drillers	- $2.50 per hour	15,600.00
(5)	Two (2) driller's helpers	- $1.50 per hour	9,360.00
(6)	Two (2) manual laborers	- $1.00 per hour	6,240.00
		TOTAL	$53,250.00

6. (continued)

(c) Operating materials and supplies. -

(1)	Hand Tools		$ 200.00
(2)	Spades and Picks		$ 200.00
(3)	Explosives		$ 500.00
(4)	Fuel, including gasoline & oil	- $500.00 per mo.-	$ 9,000.00
(5)	Electricity	- $ 20.00 per mo.-	$ 360.00
(6)	Bits	- $300.00 per mo.-	$ 5,400.00
		TOTAL	$15,660.00

(d) Operating Equipment.-

(1) 1950 D-6 Caterpillar - use allowance value - - $1,086.50 per mo. $19,557.00

(2) 1951 Universal Jeep - use allowance value - - $85.00 per mo. - $ 1,530.00

(3) 1953 Diamond T 3½ ton truck - use allowance value - - $400.00 per mo.- $ 7,200.00

(4) 1952 Model Ford 1½ truck with mounted drill - use allowance value- - $3,650.00 per mo. $65,700.00

(5) 1952 1½ Dodge water truck - use allowance value - - $225.00 per mo.- $ 4,050.00

(6) 1955 Studebaker pickup - use allowance value-- - $75.00 per mo. - $ 1,350.00

(7) Du-jac Drill - use allowance value - - $800.00 per mo.- $14,400.00

(8) 1956 Ford Station Wagon - use allowance value - - $100.00 per mo.- $ 1,800.00

(9) 60 c f m air compressor, rock drill and hose and steel. - use allowance value - - $250.00 per mo.- $ 4,500.00

(10) one (1) Scintillater, One (1) Multitube Counter and two (2) geiger counters; one (1) Radiomatric assay lab., two (2) drill hole probes. - use allowance value - - $350.00 per mo.- $ 6,300.00

TOTAL $126,387.00

(e) Rehabilitation and repairs. - None

(f) New buildings, improvements, installations. - None

6. (continued)

(g) Miscellaneous. -

(1)	Repairs & Maintenance	- $300.00 per mo.	-$ 5,400.00
(2)	Analytical work	- $500.00 per mo.	-$ 9,000.00
(3)	Accounting	- $150.00 per mo.	-$ 2,700.00
(4)	Workman's Compensation &Liability	-$ 90.00 per mo.	-$ 1,620.00
(5)	Payroll Taxes	- $ 50.00 per mo.	-$ 900.00
		TOTAL	$ 19,620.00

(h) Contingencies. - $1,000.00 reserve for repairs to equipment. $ 1,000.00

GRAND TOTAL FOR EXPLORATION OPERATION. $215,917.00

7. (a) Yes.
(b) Use of equipment owned by us and located on mine site.

(Exhibit - Form MF-103)

STATE OF TEXAS)
)
COUNTY OF BRISCOE.)

RECEIVED
MAY 28 1956

MINERAL LEASE

THIS AGREEMENT made and entered into this 7th day of June, A. D. 1955, by and between Doyle Saul and Clyde Saul, herein styled Lessors, and Briscoe County Uranium Company, a partnership, herein styled Lessee,

W I T N E S S E T H:

1. That the said Lessors, for and in consideration of the royalties hereinafter reserved and of the covenants and agreements hereinafter contained on the part of the Lessee to be paid, kept and performed, and subject to the oil and gas exception and reservation herein expressed, have granted, demised, leased and let, and by these presents do grant, lease and let unto the said Lessee, for the purpose of mining, milling, extracting, shipping or operating for any ores, metals or non-metallic minerals deposited in, on or under the ground in place as native elements, all the minerals in, on and under that certain tract of land situated in the County of Briscoe, State of Texas, described as follows, to-wit:

All of Section No. 110, in Block B-1, in said Briscoe County, Texas.

2. It is expressly agreed that this lease shall remain in force for a term of five years from the date hereof, and so long thereafter as ore, metals or non-metallic minerals shall be mined from said land in paying quantities.

3. In consideration of the premises, the Lessee covenants and agrees with said Lessors as follows:

A. To enter upon said premises and work and mine the same, in manner necessary to good and economical mining, so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as a workable mine.

B. To well and sufficiently timber all mines hereafter opened on said premises at all points where proper, in accordance with good mining; and to repair all old timbering wherever it may become necessary.

C. To allow said Lessors and their agents from time to time to enter upon and into all parts of any mine or mines, for purpose of inspection.

D. To keep at all times the drifts, shafts, tunnels and other workings thoroughly drained and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

E. To pay to Lessor 12½% of the net returns (exclusive of freight or drayage from the mine, being the net price after deducting smelter charges and freight, provided, however, no deductions shall be made for freight, drayage or smelter charges which are paid or refunded by any Governmental agency, or other agency or person other than Lessee).

The records of the carrier shall determine the weights of the minerals upon which the royalty shall be paid. All such royalties shall be payable to the Lessors at Plainview, Texas, on or before the 20th day of the month immediately succeeding that in which the aforesaid shipments have been made.

4. In addition to the aforesaid royalties, Lessee shall pay to Lessor 10% of the Base Premium payment received by Lessee, and Lessee shall transmit such payment to Lessors within ten days after settlement for each lot.

If and when any premium, bonus and/or subsidy should then or thereafter be allowed, Lessee shall pay as royalty to Lessor 10% of any such premium, bonus and/or subsidy as may be allowed by any agency. The Lessee shall transmit such royalty payments to Lessors within ten days after settlement for each lot.

5. Lessee covenants and agrees to deliver to said Lessors the said premises with the appurtenances and all improvements in good order and condition, with all drifts, shafts, tunnels and other passages thoroughly clear of loose rock and rubbish, and drained, and the mine or mines ready for immediate continued working (accident not arising from negligence alone excusing) without demand or further notice, on the expiration of this lease. Lessee, however, shall have the right within thirty days after expiration, abandonment or forfeiture to remove personal effects and portable machinery placed upon the property by it.

6. The Lessee shall have the right to drill or sink shafts for water, install pumps, windmills, tanks and all fixtures incident to providing water for mining operations hereunder. Lessee shall have the right to drill or excavate for the purpose of making tests or searching

for ore bodies and developing the property for ores it may contain. Lessee shall have the right to excavate for ores in tunnels, drifts or shafts in any direction, distance, height or depth in mining operations.

7. It is expressly agreed and understood that should the State and County assess for taxation the minerals in the ground, then the Lessee herein, or its assigns, shall pay as the Lessee's proportion, nine-tenths (9/10) and the Lessors herein shall pay one-tenth (1/10) of said taxes.

8. The Lessee agrees to do all that may be necessary to comply with the applicable mining laws and abide by and observe the same.

9. The breach by Lessee of any obligation arising hereunder shall not work a forfeiture or termination of this lease nor cause a termination or reversion of the estate created hereby nor be grounds for cancellation hereof in whole or in part. In the event Lessors consider that operations are not at any time being conducted in compliance with this lease, Lessors shall notify Lessee in writing of the facts relied upon as constituting a breach hereof, and Lessee, if in default, shall have sixty days after receipt of such notice in which to commence the compliance with the obligations imposed by virtue of this instrument. After the discovery of minerals other than oil, gas and sulphur in paying quantities on said premises, Lessee shall reasonable develop the acreage retained hereunder.

10. This lease in whole, but not in part, may be assigned by the Lessee if delivery is promptly made to the Lessors of a complete certified or photostatic copy of such assignment. If the estate of either party hereto is assigned, the covenants hereof shall extend to their heirs, executors, administrator, successors or assigns, but no change in ownership of the land or royalties shall be binding on Lessee until the Lessee has been furnished with a written transfer or an assignment or a copy thereof.

11. It is hereby agreed and understood that, in the event that said Lessee or its assigns, by reason of failure to find ore in paying quantities, or for other reasons, desires the cancellation of this lease, or any part thereof, they will in good faith have made out and delivered promptly to the Lessors such release or cancellation paper as that,

when placed upon the county records will remove any cloud upon same.

12. It is hereby expressly stipulated and agreed that the Lessors except from this lease and hereby expressly retain and reserve all oil and gas in and under the aforesaid land.

13. No holes, shafts or other openings shall at any time be left open or unprotected so as to constitute a hazard to persons or livestock. Upon termination hereof, Lessee will close up such openings as may have been made in the ground and shall remove all hazards to persons or livestock. Lessee shall at all times hold Lessors harmless from any claims or damages suffered or claimed by anyone arising from the operations hereunder or as a result thereof.

14. Lessee shall keep an accurate record of all minerals mined on the lands included herein and all sales of same, showing dates, purchasers, quantities and prices received, and freight bills paid or incurred by Lessee, subject at any reasonable time to examination by Lessors or Lessor's agents, a copy of which record shall be sent to Lessors on or before the 20th day of each succeeding month, showing production and results for the month just preceeding. Lessee shall furnish semi-annually a plat and report showing all prospecting and development work on the leased lands, and all other related information.

15. All ores and minerals produced by Lessee on lands included within this lease shall be kept separate and apart from ores produced elsewhere, and, to the extent that Lessee mills said ores and minerals, they shall be separately milled; and, in any event, separate records shall be kept of the mining, milling, extracting and shipping of said ores and minerals.

16. Lessors hereby warrant and agree to defend title to said land and agree that Lessee at its option may discharge any tax, mortgage or other lien upon said land, either in whole or in part, and in event Lessee does so, it shall be subrogated to such lien with right to enforce same and apply rentals and royalties accruing hereunder toward satisfying same. Without impairment of Lessee's rights under the warranty in event of failure of title, it is agreed that If Lessors own an interest in said land less than the entire simple estate, then the royalties and rentals to be paid Lessors shall be reduced proportionately. Failure of Lessee to produce rentals paid hereunder shall

not impair the right of Lessee to reduce royalties.

IN WITNESS WHEREOF, the parties hereto have executed this instrument, in duplicate this the 7th day of June, 1955.

Doyle Saul
Clyde Saul, Lessors

BRISCOE COUNTY URANIUM COMPANY, Lessee
By Dick Garner
Jack H. Dixon, by Dick Garner, Agent
Vernon Bradley
Doyle Saul
A. V. Wilson, Its Partners

STATE OF TEXAS)
COUNTY OF HALE) Before me, the undersigned authority, on this day personally appeared Doyle Saul and Clyde Saul, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 11th day of June, A. D. 1955.

(Seal)

Emma Jo Bristol, Notary Public,
Hale County, Texas.

STATE OF TEXAS)
COUNTY OF HALE.) Before me, the undersigned authority, on this day personally appeared Dick Garner, Vernon Bradley, Doyle Saul, and Dick Garner as agent for Jack H. Dixon and A. V. Wilson, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they each executed the same for the purposes and consideration therein expressed, as the partners of Briscoe County Uranium Company, a partnership, and as the act and deed of said partnership.

Given under my hand and seal of office, this 11th day of June, A. D. 1955.

(Seal)

Emma Jo Bristol, Notary Public,
Hale County, Texas.

Filed for record the 27th day of June, A. D. 1955 at 1:15 o'clock P. M.
Recorded the 5th day of July, A. D. 1955 at 4:15 o'clock P. M.

Dee McWilliams, County Clerk,
Briscoe County, Texas.

THE STATE OF TEXAS,)
COUNTY OF BRISCOE.)

I, Dee McWilliams, County Clerk in and for Briscoe County, Texas, do hereby certify that the foregoing is a true and correct copy of a Mineral Lease executed by Doyle Saul and Clyde Saul to the Briscoe County Uranium Company, as the same appears of record in Volume 50, Pages 567-570, of the Deed Records of Briscoe County, Texas.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS 19th day of May, A. D. 1956.

Dee McWilliams
County Clerk, Briscoe County, Texas.

STATE OF TEXAS ⦚
COUNTY OF BRISCOE ⦚

RECEIVED
MAY 28 1956

WHEREAS, on the 7th day of June 1955, Doyle Saul and Clyde Saul executed a mineral lease to the Briscoe County Uranium Company which lease covered all of Section 110 in Block B-1, Briscoe County, Texas, and which lease contract is recorded in Book 50, Page 567 of the Deed Records of Briscoe County, Texas, record to which lease and its record is made for all pertinent purposes; and

WHEREAS, the said Briscoe County Uranium Company has made an application for aid from the United States Government in connection with an exploration project pursuant to D.M.E.A.Order 1 under the Defense Production Act of 1950, as amended; and

WHEREAS, Government requires that the Lessors in leases such as this execute a consent to Government lien in connection with such advances;

NOW, THEREFORE, IT IS AGREED AND CONSENTED TO by the undersigned, Doyle Saul and Clyde Saul, Lessors in the above mentioned mineral lease, that the Government shall have any lien required by them under the provisions of such Act and we do hereby consent to the obtaining of such aid by the Briscoe County Uranium Company as above provided.

EXECUTED this 25th day of May, A. D. 1956.

Doyle Saul

Clyde Saul

SAUL RANCH URANIUM AREA

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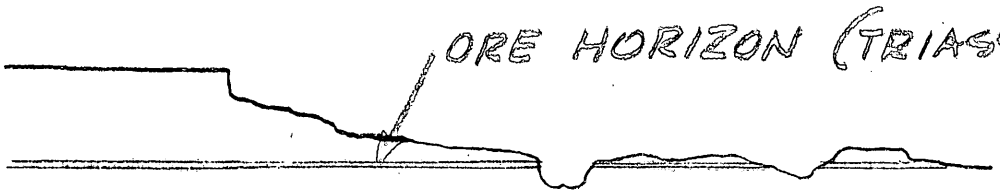
It can be seen from the plats and attached hole logs evidence of the widespread occurence of uranium mineralization in this area. The ore is primarily a coarse grained limestone with pyrite and gypsum and considerable trashy carbonaceous material throughout. The ore horizon is easily traced across the ranch due to its almost continuous radioactivity even in regions where the limestone almost disappears. The exploratory tunnel shown on section 113 was started previous to obtaining sufficient information from drill holes and while both walls show samples running over .20% U_3O_8 such a large percentage is lower grade that the work in this immediate area has been discontinued at this time. Drilling done on section 110 has indicated as can be seen on plat no. 2 an ore body of considerably higher average grade ore which we feel is extensive enough for limited production. The chemical assays from this area have been as high as .60% U_3O_8. The data furnished by the Albuquerque office of the Atomic Energy Commission labeled "non core holes probed January 12, 1956" are fairly self explanatory with the exception of equivalent quality. Mr. Ray Stroud of the Albuquerque office informs us that they consider a reading of 1.0 milliroentgens per hour as a rough demarcation between commercial and noncommercial ore. The hole numbers in brackets correspond to the hole designations on plat no. 2. A few of these hole numbers cannot be found on this plat which is due to their location outside of this immediate area.

Since the far larger portion of section 110 is blanketed by the ore horizon and at a depth economically drilled it is felt that an extensive exploration program will uncover more and concievably better ore bodies than this one. Certainly this would seem indicated from the large number of outcrops of high radiometric count across the section.

respectfully submitted,

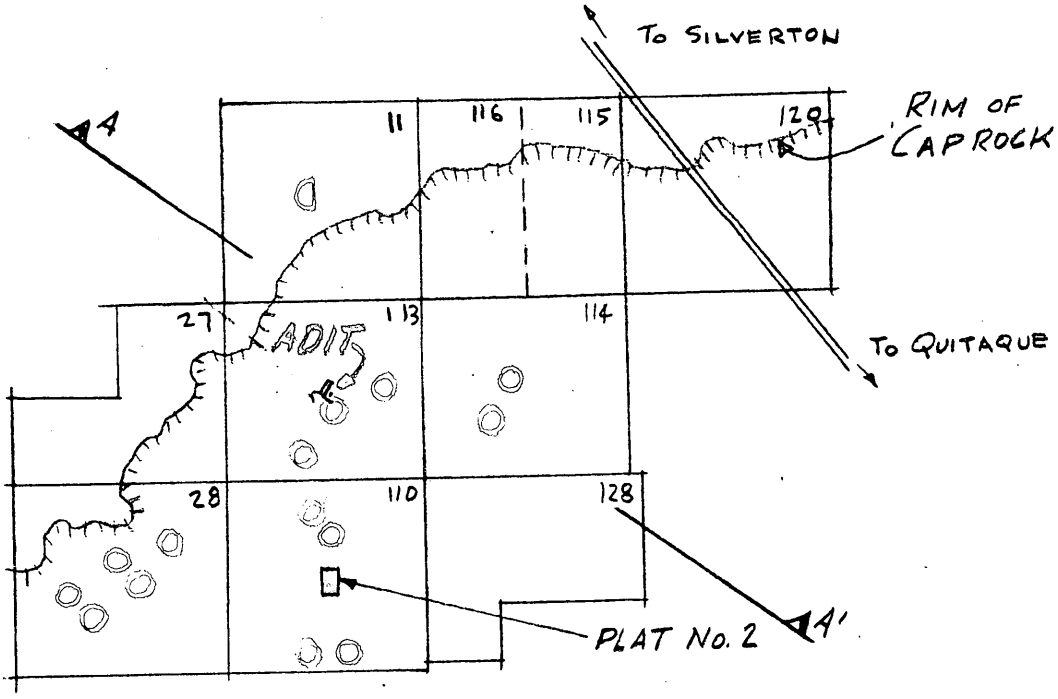
Paul Whelan
Geophysicist

RECEIVED
MAY 28 1956



TYPICAL SECTION (A-A')

NO SCALE



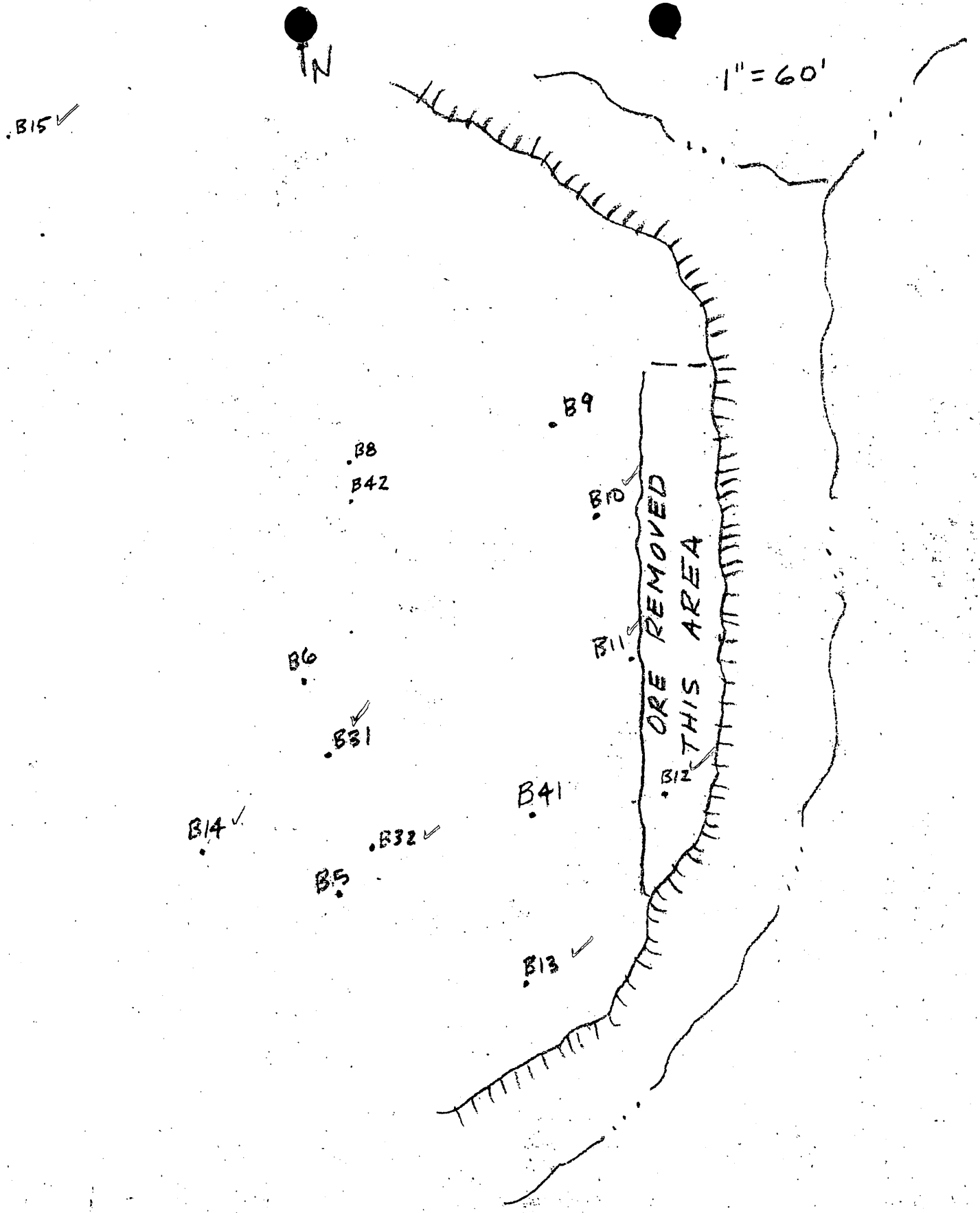
AREAS OF OUTCROPS

AREAS OF RADIOACTIVITY

PLAT No. 1

1 MILE

SCALE


N
1" = 60'
B15
B9
B8
B42
B10
ORE REMOVED
THIS AREA
B11
B6
B31
B12
B41
B14
B32
B5
B13

PLAT No. 2

Non-Core Holes Probed January 12, 1956

Saul Ranch

Briscoe County, Texas

Saul Ranch
South to North Line

Hole No. 1 (B-15)

Depth		MR/hr
		.05 bkgd
0 - 10'		Negative
10 - 20'	- 19 to 20'	.2
20 - 30'	- 29 to 30'	1 to 1½
30 - 40'	- 30 to 40'	.2
40 - 46'	- 40 to 46'	.1 bottom

Hole No. 2 - 20 ft. Northeast of (B-15)

Depth		MR/hr
		.05-.07 bkgd
0 - 10'		Negative
10 - 20'	- 17 to 20'	.15
20 - 30'	- 25 to 29'	.25
	29 to 30'	2.5
30 - 40'	- 30 to 40'	.3
40 - 45'	- 40 to 45'	.15 to .20 bottom

Hole No. 3 (D-31)

Depth		MR/hr
		.05 bkgd
0 - 10'		.07
10 - 20'	- 19 to 20'	.15
20 - 30'	- 20 to 25'	.20
	26 to 27'	2.
	27 to 30'	.8
30 - 40'	- 30 to 34'	.6
	34 to 35'	5.

Hole No. 4 - 40 ft. Northwest of (L-31)

Depth		MR/hr
		.05 bkgd
0 - 10'		Negative
10 - 20'	- 10 to 15'	.10
	15 to 17'	.15
	17 to 20'	.20
20 - 30'	- 20 to 25'	.30
	25 to 27'	.5
	27 to 30'	3.0
30 - 37'	- 30 to 37'	.20

Hole No. 5 (B-32)

Depth		MR/hr
		.05 bkgd
0 - 10'	- 0 to 10'	.10
10 - 20'	- 10 to 12'	.5
	12 to 18'	.15
	18 to 20'	.5
20 - 28'	- 20 to 26'	1.0
	26 to 28'	.6

Hole No. 6 (B-7)

Depth		MR/hr
		.05 bkgd
0 - 10'		.07
10 - 20'	- 10 to 17'	.10
	17 to 20'	.5
20 - 30'	- 21 to 22'	1.0
	22 to 27'	.5
	27 to 30'	.6
30 - 38½'	- 30 to 31'	1½
	31 to 38½'	.6

Hole No. 7 (B-8)

Depth		MR/hr
		.05 bkgd
0 - 10'		.08
10 - 20'	- 10 to 12'	.10
	12 to 20'	.40
20 - 30'	- 20 to 30'	.40
30 - 35'	- 30 to 35'	.3

End of Line

Hole No. 8 (B-9)
Line North to South

Depth		MR/hr
		.05 bkgd
0 - 10'	- 0 to 8'	.3
	8 to 9'	.6
	9 to 10'	.3
10 - 20'	- 10 to 12'	.5
	12 to 15'	1.0
	15 to 20'	.5
20 - 27'	- 20 to 27'	.5

Hole No. 9

Depth		MR/hr
		.05 bkgd
0 - 10'	-	.07
10 - 20'	- 10 to 15'	.10
	15 to 20'	.25
20 - 30'	- 20 to 25'	.6
	25 to 26'	1.5
	26 to 27'	5.0
	27 to 30'	2.0
30 - 35'	- 30 to 35'	.00

Hole No. 10 (B-13)

Depth		MR/hr
		.07 bkgd
0 - 10'	- 0 to 3'	.07
	- 3 to 7'	.10
	7 to 10'	.07
10 - 20'	- 10 to 18'	.10
	18 to 20'	.15
20 - 30'	- 20 to 25'	.50
	25 to 28'	2.0
	28 to 30'	2.0
30 - 40'	- 30 to 40'	.00
40 - 47'	- 40 to 47'	.50

End of Line

Hole No. 11 (B-12)
50 ft. East on South to North Line

Depth		MR/hr
		.10 bkgd
0 - 10'	- 0 to 1'	.3
	1 to 5'	.7
	5 to 7'	.7
	3 to 10'	.4
10 - 20'	- 10 to 15'	.6
	15 to 20'	.3
	20 to 30'	.20
	30 to 37'	.20

Hole No. 12 (B-11)

Depth		MR/hr
		.07
0 - 10'	- 0 to 7'	.15
	7 to 10'	.3
10 - 20'	- 10 to 15'	.5
	15 to 20'	1.0
20 - 26'	- 20 to 26'	1.0

Hole No. 13 (B-10)

Depth		MR/hr
		.07 bkgd
0 - 10'	- 0 to 3'	.07
	3 to 10'	.15
10 - 20'	- 10 to 12'	.30
	12 to 15'	1.0
	15 to 20'	.15
	20 to 26'	.15

End of line

Hole No. 14 (B-14)
Line East to West

Depth		MR/hr
		.07 bkgd
0 -10'		.07
10 -20'		.07
20 -30'	- 20 to 25'	.07
	25 to 30'	.15
30 -40'	- 30 to 35'	.2
	35 to 36'	.5
	36 to 40'	.15
	40 to 47'	.10 + .15

Hole No. 15 (B-15)

Depth		MR/hr
		.05 bkgd
0 - 10'		.05
10 - 20'		.07
20 - 30'	- 20 to 26'	.10
	26 to 28'	.3
	28 to 30'	.15
30 - 40'	- 30 to 33'	1.5
	33 to 38'	.5
	38 to 38.6'	1.5
	38.6 to 40'	.3
40 - 50'	- 40 to 50'	.7
	50 to 55'	.7

Hole No. 16 (B-16)

Depth		MR/hr
		.05 bkgd
0 - 10'		.07
10 - 20'		.07
20 - 30'		.07
30 - 40'		.07
40 - 50'	- 40 to 45'	.15
	45 to 46'	.5
	46 to 48'	.2
	48 to 50'	.70
	50 to 58'	.2
	58 to 60'	.07
	60 to 62'	.07

Hole No. 17 (B-17)

Depth			MR/hr
			.07 bkgd
0 - 10'	-		.07
10 - 20'	-		.07
20 - 30'	-		.07
30 - 40'	-		.07
40 - 50'	-		.10
50 - 60'	-	50 to 58'	.15
		58 to 60'	.2
60 - 70'	-	60 to 62'	.15
		62 to 66'	.10
70 - 80'	-		.09
80 - 85'	-		.07

Hole No. 18 (B-18)

Depth			MR/hr
			.05 bkgd
0 - 10'			Negative
10 - 20'			Negative
20 - 30'			Negative
30 - 40'			Negative
40 - 50'			Negative
50 - 60'			Negative
60 - 70'			Negative
70 - 80'	-	70 to 78'	.10
		78 to 80'	.7
80 - 90'	-	80 to 85'	.3
		85 to 90'	.10
90 -100'			.05
100-110'			.15
110-113'			.2
113-115			Negative

Hole No. 19 (B-19)

Depth			MR/hr
			.05 bkgd
0 - 10'			Negative
10 - 20'			Negative
20 - 30'			Negative
30 - 40'			Negative
40 - 50'			Negative
50 - 60'	-	50 to 55'	.10
		55 to 60'	.15
		60 to 70'	.2
		70 to 80'	.1
		80 to 85'	.25

Hole No. 20 (B-20)

Depth			MR/hr
			.05 bkgd
0 - 10'			Negative
10 - 20'	-	10 to 20'	Negative
20 - 30'	-	20 to 30'	.07
30 - 40'	-	30 to 40'	.05
40 - 50'	-	40 to 50'	.05
50 - 60'	-	50 to 60'	.05
60 - 70'	-	60 to 65'	.10
		65 to 66'	.15
		66 to 70'	.10
		70 to 75'	.10
		75 to 78'	.3
		78 to 80'	1.5
80 - 90'	-	80 to 81'	15
		81 to 90'	.10
90 - 100'	-	90 to 98'	.10
		98 to 100'	.2
		100 to 110'	.05
		110 to 115'	.05

Hole No. 21 (B-21)

Depth		mr/hr
		0.05 bkgd
0 - 10'		0.05
10 - 20'		0.05
20 - 30'		0.05
30 - 40'		0.07
40 - 50'		0.05
50 - 60'		0.05
60 - 70'	- 60 to 66'	0.05
	66 to 68'	0.1
	68 to 70'	0.15
70 - 80'	- 70 to 71'	0.2
	71 to 73'	1.0
	73 to 80'	0.05
	80 to 90'	0.07
90 - 100'	- 90 to 91'	.10
	91 to 93'	0.4
	93 to 100'	0.05
	100 to 110'	0.05
	110 to 120'	0.05
127 - bottom		0.05

Hole No. 22 (B-22)

Depth		mr/hr
		0.04 bkgd
0 - 10'		0.04
10 - 20'		0.04
20 - 30'		0.04
30 - 40'		0.04
40 - 50'		0.05
50 - 60'	- 50 to 55'	0.05
	55 to 57'	0.15
	57 to 60'	.30
60 - 70'	- 60 to 62'	0.2
	62 to 67'	0.4
	67 to 70'	0.05
70 - 80'	- 70 to 78'	0.05
	78 to 80'	0.1
80 - 90'	- 80 to 87'	0.15
	87 to 90'	0.4
	90 to 100'	0.05
	100 to 107'	0.05
107 bottom		

Hole No. 23 (B-23)

Depth		mr/hr
		0.04 bkgd
0 - 10'		0.04
10 - 20'		0.04
20 - 30'		0.07
30 - 40'		0.04
40 - 50'		0.07
50 - 60'	- 50 to 55'	0.1
	55 to 60'	0.3
60 - 70'	- 60 to 63'	0.1
	63 to 65'	0.6
	65 to 68'	0.3
	68 to 70'	0.05
70 - 80'	- 70 to 75'	0.05
	75 to 80'	0.4
80 - 90'	- 80 to 84'	0.1
	84 to 86'	0.6
	86 to 90'	0.05
	90 to 97'	0.05 bottom

Hole No. 24 (B-24)

Depth		mr/hr
		0.04
0 - 10'		0.04
10 - 20'		0.04
20 - 30'		0.04
30 - 40'		0.07
40 - 50'		0.05
50 - 60'		0.07
60 - 70'	- 60 to 62'	0.1
	62 to 68'	0.3
	68 to 70'	1.0
	70 to 80'	0.05
	80 to 90'	0.08
	90 to 97'	0.07

Hole No. 25 (B-25)

Depth		MR/hr
		0.05 bkgd
0 - 10'		0.05
10 - 20'		0.05
20 - 30'		0.05
30 - 40'		0.05
40 - 50'		0.05
50 - 60'		0.05
60 - 70'	- 60 to 65'	0.05
	65 to 70'	0.5
	70 to 80'	0.3
	80 to 90'	0.07
	90 to 100'	0.07
	100 to 107'	0.05 bottom

Hole No. 26 (B-26)

Depth		MR/hr
		0.05 bkgd
0 - 10'		0.05
10 - 20'		0.05
20 - 30'		0.05
30 - 40'		0.05
40 - 50'		0.05
50 - 60'	- 50 to 57'	0.05
	57 to 60'	0.12
60 - 70'	- 60 to 64'	0.1
	64 to 70'	0.07
70 - 80'	- 70 to 73'	0.1
	73 to 74'	0.5
	74 to 80'	0.3
80 - 90'	- 80 to 81'	0.8
	81 to 90'	0.05
	90 to 100'	0.05
	100 to 107'	0.05 bottom

Hole No. 27 (B-27)

Depth		MR/hr
		0.05 bkgd
0 - 10'		0.05
10 - 20'		0.05
20 - 30'		0.05
30 - 40'		0.05
40 - 50'		0.07
50 - 60'	- 50 to 55'	0.10
	55 to 58'	0.4
	58 to 60'	0.3
60 - 70'	- 60 to 62'	0.3
	62 to 70'	0.05
70 - 80'	- 70 to 72'	0.05
	72 to 74'	0.7
	74 to 80'	0.06
	80 to 90'	0.06
	90 to 100'	0.06 bottom

Hole No. 28 (B-28)

Depth		MR/hr
		0.05 bkgd
0 - 10'		0.05
10 - 20'		0.07
20 - 30'	- 20 to 27'	0.07
	27 to 30'	0.6
30 - 40'	- 30 to 33'	0.5
	33 to 35'	0.1
	35 to 37'	0.2
	37 to 40'	.15
40 - 50'	- 40 to 45'	0.2
	45 to 47'	1.5
	47 to 50'	.35
	50 to 60'	0.05
	60 to 70'	0.05
	70 to 77'	0.07 bottom

Hole No. 29 (P-29)

Depth		MR/hr
		0.07 bkgd
0 - 10'	- 0 to 5'	0.15
	5 to 10'	0.3
10 - 20'	- 10 to 12'	1.0
	12 to 16'	0.4
	16 to 20'	0.4
	20 to 30'	0.3
	30 to 40'	0.15
	40 to 50'	0.12
	50 to 57'	0.10

Hole No. 30 (P-30)

Depth		MR/hr
		0.06 bkgd
0 - 10'	- 0 to 4'	0.1
	4 to 10'	0.2
10 - 20'	- 10 to 15'	0.5
	15 to 20'	.15
20 - 30'	- 20 to 25'	0.15
	25 to 30'	0.13
	30 to 40'	0.15
	40 to 50'	0.11
	50 to 60'	0.10
	60 to 67'	0.08

Hole No. 31 (P-31)

Depth		MR/hr
		0.05 bkgd
0 - 10'	- 0 to 4'	0.15
	4 to 10'	0.5
	10 to 20'	0.12
20 - 30'	- 20 to 27'	0.15
	27 to 30'	0.3
	30 to 40'	0.06
	40 to 50'	0.07
	50 to 60'	0.07
	60 to 67'	0.07 bottom

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PROPOSED DEVELOPMENT PROGRAM

We propose to carry out a drilling and surface exploration program on Section 110, firstly by intensive surface work, doing very limited digging or blasting for procurement of samples only, secondly, drilling vertical holes through the overburden and through the producing formation and probing and recording data on all holes while taking cores from a portion of these holes for chemical analysis and a running check on the chemical - radiometric balance. These holes will originally be based on a grid of approximately 1000 feet, or slightly closer in promising areas. The depth of these holes will vary from a few feet to more than 200 feet. A portable core drill can be used for horizontal drilling at the rim exposures. The D-6 Caterpillar with blade will be adequate for all road building necessary for moving the drilling equipment.

1201 N. DIVISION STREET
SPOKANE 2, WASHINGTON

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

Docket copy

Project Summary Report

By: F. L. Knouse April 7, 1959

1. Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142

Operator - Briscoe County Uranium Company (a partnership) comprised of Dick Garner, Vernon Bradley, Doyle Saul, and A. V. Wilson
515 Oakland Street
Plainview, Texas

Property - Section 110, in Block B-1, Briscoe County, Texas

Property Rights -
Operator is lessee. Lease dated June 7, 1955, grants Operator control of property for 5 years. Performance Bond from the American Automobile Insurance Company in the amount of the Government contract participation is attached to the contract.

2. Contract, dated October 15, 1957

Project work was started during December, 1957, and completed June 1, 1958.

Work Authorized -

Consisted of stripping the overburden covering the uranium-bearing ~~the~~ Dockum sandstone of Triassic age with a tractor, local uranium-bearing horizon, and sampling significant mineralized exposures. If areas of significant mineralization are exposed along the rim, two lines of non-core and core holes were to be drilled from the surface through the ore-bearing sandstone paralleling the rims' exposures. Otherwise, four lines of drill holes, consisting of 45 non-core and 2 core drill, were to be drilled to test the ore-bearing sandstone in two other areas on the property.

2. Contract - Work Authorized (continued) -

Estimated and Completed Cost of Project Work

Actual Cost Basis		Work Completed	
Work Items	Est. Cost.	Units	Cost
350 hrs. bulldozing @ $12.50/hr.	$4,375.00	83	$1,037.50
2800 ft. non-core drilling @ $0.95/ft.	2,660.00	2,024	1,922.80
150 ft. core drilling @ $1.55/ft.	232.50	120	186.00
Supervising Engr. 3½ mos. @ $500.00/mo.	1,750.00	3.3 mos.	1,650.00
Sampler 1½ mos. @ $300.00/mo.	450.00	-	-
Consulting geologist - 4 days @ $100.00/day	400.00	4	400.00
Core boxes - 8 @ $1.00/each	8.00	-	-
Sample sacks	20.00	-	-
3,500 miles truck transportation @ $0.07/mi.	245.00	2,500	245.00
Rental - radiometric hole prober 2 mos. @ $100.00/mo.	200.00	2	200.00
100 sample chem. analyses @ $5.00/sample	500.00	21	68.07
Payroll taxes	275.00	3.3 mos.	37.13
Total cost of project (rounded)	$11,116.00		$5,746.50
Government Paricipation @ 75%	$8,337.00		$4,309.87

Amendments -

No. 1, dated November 18, 1957, changes the starting date of the contract from November 1, 1957, to January 1, 1958, and the completion date from January 1, 1958, to March 1, 1958.

No. 2, dated March 1, 1958, extended completion date of project work to June 1, 1958.

Termination Agreement -

Mutual termination, dated December 5, 1958, effective date June 1, 1958, Government will not contribute to cost of any work completed after June 1, 1958. Received at Joplin, Missouri, March 16, 1959.

Final Reports -

Operator's, dated December 20, 1958, received in Region IV December 29, 1958.
Field Team's, dated December 15, 1958, received in Division January 13, 1959.
Field Team's Supplement, dated February 3, 1959, received in Division February 10, 1959.

3. Audit Report of Review, dated March 19, 1959.

Total cost billed by Operator	$6,483.70
Exceptions	737.20
Total acceptable cost	$5,746.50
Government participation @ 75%	$4,309.87

4. Certification - None.

Field Team reports that there is no basis on which to base a certification of discovery or development, and the writer concurs with the Field Team's conclusions.

Ore Reserves

None reported.

Production (Before DMEA contract)

Tons	U_3O_8	V_2O_5	$CaCO_3$
19.41	0.05	0.04	
12	0.20	0.03	44.6

No production was reported during the DMEA project.

5. Comments -

The Field Team reports that the project objectives were obtained, but it is felt that the project work could have been pursued with more diligence and interest. Lack of interest, slowness, and laxity of supervision was evident throughout the program. However, the Operator furnished a satisfactory report after a long lapse of time, and the monthly reports were rarely satisfactorily submitted. The poor project work resulted in the disallowance of 776 feet of non-core hole - because cuttings were not preserved, holes failed to reach the target and some holes were drilled to excessive depths.

The project was established to test the thin, flat-lying, uranium-bearing calcareous sandstone, Dockum group of Triassic age, underlying the property. Prior to the DMEA project the 12-ton shipment listed above was produced from a bench cut in the Dockum sandstone; also, a number of holes were drilled behind the rim and 17 of the holes showed significant radioactivity (20 times background or better). The canyon ~~veins~~ rim in the

5. Comments (continued) -

central, western and southwestern part of the property showed radioactivity. Therefore, the exploration program consisted of rim stripping followed by drilling two parallel rows of holes behind the rim where significant mineralization was exposed. In case no mineralization was exposed by stripping, two lines of holes (20 non-core and one core hole) were to be drilled in the central part of the property and two lines of holes (25 non-core and one core) were to be drilled in the southwestern part of the property to test for the indicated trends of uranium-bearing channels.

Eight trenches were excavated along the rim near source of the uranium production that exposed only thin -- 3 to 4 inches -- of weakly radioactive calcareous sandstone. To further explore the indicated trend of the mineralization, 14 holes were drilled in two fence lines across the trend of mineralization, 600 to 800 feet north of the rim cut exposure. In only 4 of the 14 holes drilled were significant radioactivity anomalies measured.

In the southwestern part of the property, 15 trenches were excavated and only two trenches exposed significant mineralized material consisting of three limonitic-stained carbonaceous sandstone beds 3 to 6 inches thick that contained 0.09 to 0.13 percent U_3O_8. Although only weak radioactivity anomalies were observed in the other trenches, exploration drilling immediately behind the rim was not considered warranted. However, the Operator drilled three non-core holes immediately north of one mineralized trench (trench 7), two of which showed significant radioactive intervals. On the results of trenching and drilling, three fences of holes (lines III, V, and VI) were drilled to explore for a continuation of the mineralized trend to the north. Of the 24 holes drilled, only 4 encountered measurable radioactivity.

The results of the exploration program indicate that the uranium deposits on the property occurs in thin lens-shaped bodies generally restricted to carbonaceous trash zones in conglomeratic sandstone; also, that these bodies are not likely to contain material that approaches minable thickness.

5. Comments -(continued)

The property has been adequately explored and no additional Government participation in the exploration of the property is warranted.

F. L. Knouse

F. L. Knouse

DMEA Form 17
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

K

WORK COMPLETED ANALYSIS

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

Operator **Briscoe County Uranium Co.**		Actual Cost	X
State **Texas**		Agreed Unit Cost	
Final Report of Audit	Commodity **Uranium**	Docket No. **DMEA-4312**	
Final Report of Review		Contract No. **Idm-E1142**	

Operation	Authorized by Contract and Amendments		Completed		Net cost after sale of Government Property
	Units	Cost	Units	Cost	
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling NON-CORE (Specify) CORE	2800' 150'	$4,430.00 710.50	2024' 120'	$3599.93 541.00	
Surface Excavation w/bulldozer		5475.00		1,537.00	
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) 100 sample analyses		500.00		68.07	
Totals (Rounded)		$11,116.00		$5,746.50	*

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

Prepared by Kwarne Date 3-31-59

(Incomplete)

31398

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

JUL 9 1952

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Contract No. Idm-E1142

Dear Mr. Garner:

Reference is made to your terminated exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the operator to keep and preserve certain records for the period indicated.

We appreciate your interest and participation in the DMEA exploration program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

Frank E. Johnson
Acting Director

cc: Vernon Bradley, 2612 Axtell Street, Clovis, New Mexico
Doyle Saul, Saul Ranch, Silverton, Texas
A. V. Wilson, General Delivery, Silverton, Texas

OFFICE OF MINERALS EXPLORATION
UNITED STATES
DEPARTMENT OF THE INTERIOR
~~OFFICE OF THE SECRETARY~~
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

WASHINGTON D.C.
JUL 6
8 PM
1959

PENALTY FOR PRIVATE
PAYMENT OF POSTA
(PMGC)

REASON CHECKED
Unclaimed.....
Unknown.....
Insufficient address.....
Moved, Left no address.....
No such office in state.....
Do not remail in this envelope
POSTAGE DUE 2 CENTS

P.O. TO
DELIVERED

Mr. A. V. Wilson
~~General Delivery~~
~~Silverton, Texas~~

JUL 1959

SILVERTON
JUN 1
1 PM
1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Box 431
Joplin, Missouri

March 26, 1959

Mrs. Cora A. Bailey, Fiscal Officer
U. S. Bureau of Mines, Region IV
206 Federal Building
Bartlesville, Oklahoma

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-K1142

Dear Mrs. Bailey:

Transmitted herewith are the original and one copy of the Report of Review on the captioned docket received today from Jay L. Chambers of the OME Contract Administration and Audit Division in Washington. One copy is furnished the Operator and one is retained by this Field Team Office. With this transmittal my concurrence with the facts in this Report of Review is signified, and the project is otherwise accepted by me as having met the terms of the Contract. Copies of this letter are being furnished the Washington Office of OME, and my teammate, Robert U. King, USGS, Denver.

Therefore, as I have indicated on the original of the Operator's May 1958 (final) MF-104 Report, also enclosed, this authorizes your certification for payment of balance found due the Operator in final settlement to close this account. The fifth copy of this May MF-104 was furnished Robert U. King last July 1; the second copy (excepting the MF-104 voucher) was furnished the Washington Office of OME on January 8, 1959; its other copy (and both MF-104s) is being retained here awaiting your voucher data to be posted thereon.

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

encl. 3

cc: Op.Com.(2)
King, USGS, Denver
4312 file

Box 431
Joplin, Missouri

March 26, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 30 1959
DATE | | | CODE
3/30 | C | 220
3/30 | | 800
3/30 | Kuehne | 700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMKA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-K1142

Dear Mr. Garner:

Enclosed is a copy of the Report of Review on your project account received today from the Washington Office of Minerals Exploration, following receipt of the Termination Agreement executed by you and mailed to me March 16.

I concurred with this Report of Review and approved certification by the Finance Officer, U. S. Bureau of Mines, Bartlesville, Oklahoma, for payment of the indicated balance due you in final settlement of this account.

Please advise if the check is not received within a reasonable time.

I trust this will close the account to your satisfaction.

With best personal regards, I am,

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

encl.

Copy to Mr. Paul Whelan

cc: Op.Com.(2)
King,USGS,Denver
Finance Office,USBM,Bartlesville
4312 file

Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/23	Fisher	800
3/23	C	220
3/24	Kamm	700

MAR 23 1959

Memorandum:

To: Clinton C. Knox, Executive Officer, OME Field Team, Region IV

From: Jay L. Chambers (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Contract No. Ldm-E1142

Enclosed are the original and three copies of a Report of Review in lieu of final audit as requested in your letter dated January 8, 1959.

If you concur with the facts as stated in this report, the original and one copy should be forwarded to the Bartlesville Office, one copy sent to the Operator, and a copy retained for your file. If for any reason you do not concur, please return the original and all copies with your comments to this Division.

Enclosures

CEFisher/GMcC
March 23, 1959

cc: Docket
Director's Reading File
Mr. Chambers
Mrs. Cora Bailey

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Box 431
Joplin, Missouri

March 16, 1959

OME Operating Committee
Room 4457
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

Forwarded herewith are your original and one copy of the Termination Agreement on the cited Project Contract finally executed by the Operator and returned to me today, as per your letters to me on December 5, 1958, January 30 and February 20, 1959, respectively.

The Operator and Field Team have retained their respective copies of this Termination Agreement and the Finance Office is furnished its copy with a copy of this letter.

Please advise on any further action to be taken by the Field Team for closing this Docket.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
Field Team, ~~Region IV~~

encl. 2

cc: Op.Com.
King,USGS,Denver
Finance Office,USBM,Bartlesville
w/cy Term.Agree.
4312 File

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 19 1959

DATE	INITIALS	CODE
3-19	C	220
		700

O. M. E. RECEIVED FEB 27 1959		
DATE	INITIALS	CODE
2-27	C	220
		800
		700

REGISTERED MAIL
RETURN RECEIPT
REQUESTED
AIRMAIL

Box 431
Joplin, Missouri

February 24, 1959

Mr. Paul Whelan
Project Supervisor
Briscoe County Uranium Co.
2513 61st Street
Lubbock, Texas

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Whelan:

In response to the request in your postcard on February 9, enclosed are the original and four copies of the Termination Agreement as of December 5, 1958, signed for the Government by the Acting Director, OME. This duplicates the set of the Termination Agreement forms sent Mr. Garner with my letter on December 8, 1958, which you recently advised had been mislaid.

If found satisfactory, please have Mr. Garner sign each of the five copies of the Termination Agreement, retain the "Operator's Copy" for his files, and return the original and other three copies to me for the usual distribution at the earliest possible moment.

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

encl. 5

Shadow cy - Mr. Dick Garner

cc: OME Op.Com.(2)
King, USGS, Denver w/cy inc. corr.
4312 file

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/13/59	Knouse	700
		~~140~~
		~~140~~
2/18	Talbert	800
2/20	GLS	130
"		
2/24	Johnson	110
		~~100~~
2/24	c	~~[illegible]~~ 220
		700

FEB 20 1959

Mr. Clinton C. Knox
Executive Officer
OME Field Team, Region IV
Room 303, Post Office Building
P. O. Box 431
Joplin, Missouri

INTERIOR DEPT.
FEB 13 1959
SOLICITOR

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

In accordance with your letter of February 9, we are enclosing five duplicate copies of the Termination Agreement forwarded to you with our letter of December 5, 1958.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (24/5)

Enclosures

APPROVED:

P. F. Yopes (24/5)
Member, Bureau of Mines

N. E. Nelson (24/5)
Member, Geological Survey

FLKnouse/gla
2-13-59
cc to: Director's Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

RECEIVED
FEB 13 1959
ASSOC. SOLICITOR
MINERAL RESOURCES

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Box 431
Joplin, Missouri
February 9, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 12 1959

DATE	INITIALS	CODE
2-12	C	220
		130
2/12	Knowe	700

OME Operating Committee
Office of Minerals Exploration
Room 4457 - Interior Bldg.
Washington 25, D. C.

Re: DMEA-4312 (uranium)
Briscoe County Uranium Co.
Rattlesnake mine, Briscoe County, Texas
Contract Idm-E1142

Dear Sirs:

In response to my February 3 letter, a postcard was received today from Mr. Paul Whelan, on behalf of the subject Operator, explaining that while it was desired to comply with our request, the Termination Agreement furnished the Operator with my previous letter of December 8, 1958, had been lost.

Mr. Whelan said that if a new set of the Termination Agreement could be furnished, it would be signed and returned immediately by the Operator.

Please advise.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

Shadow cy - Mr. Paul Whelan

cc: OME Op.Com.
King,USGS,Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Box 431
Joplin, Missouri
February 3, 1959

OFFICIAL FILE COPY O. M. E. RECEIVED FEB 6 1959		
DATE	INITIALS	CODE
2-6	C	220
2-9	[illegible]	700

Mr. George C. Selfridge, Chairman
OME Operating Committee
Room 4457 - Interior Bldg.
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine, Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Selfridge:

In reply to your January 30 letter, the subject Operator has not responded to my letters of December 8 and January 8 regarding signing and returning the Termination Agreement, so another letter was sent today as per the attached copies.

Please rest assured that the Termination Agreement will be forwarded to you immediately if and when received by the Field Team. Otherwise, the monthly requests to the Operator for it will be continued as long as the matter remains in status quo.

As requested in the last paragraph of your letter, a supplement to the Field Team Final Report of December 15, 1958, is furnished herewith in quadruplicate.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

encl. 4

cc: OME Op.Com.
King, USGS, Denver, w/encl.
Chester, USBM, Joplin, w/encl.
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Box 431
Joplin, Missouri
February 3, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 6 1959

DATE	INITIALS	CODE
2-10	Kenna	200

Memorandum

To: OME Operating Committee, Department of the Interior, Washington 25, D. C.

From: Field Team, Region IV, Joplin, Missouri

Subject: Supplement to Field Team Final Report by John W. Chester, USBM, and Robert U. King, USGS, dated December 15, 1958, on terminated Project Contract Idm-E1142, Briscoe County Uranium Co., DMEA-4312(uranium) Rattlesnake mine, Briscoe County, Texas

SUPPLE. TO F.T. REPORT

In response to your January 30 letter of request, a detailed breakdown of items and cost of work completed on this project, subject to the final OME audit, is given as follows:

Work Items	Claimed by Operator Units	Claimed by Operator Costs	Performed Acceptably Units	Performed Acceptably Costs	Cost/Unit
(1)					
Core drilling	120 ft.	$ 186.00	120 ft.	$ 186.00	$ 1.55
Non-core drilling	2,800 ft.	2,660.00	2,024 ft.	1,922.80	0.95
Bulldozing	83 hrs.	1,037.50	83 hrs.	1,037.50	12.50
(2)					
Labor(sampler)	none	-	none	-	-
Supervision	3.3 mos.	1,650.00	3.3 mos.	1,650.00	500.00
Technical Services	4 days	400.00	4 days	400.00	100.00
(4)					
Car rental	3,500 mi.	245.00	3,500 mi.	245.00	0.07
Probe rental	2 mos.	200.00	2 mos.	200.00	100.00
(7)					
Sample analyses	20	68.07	21	68.07	3.24
Payroll Taxes	3.3 mos.	37.13	3.3 mos.	37.13	11.25
Project total		$6,483.70*		$5,746.50**	

Recapitulation: — MF-104A Cost Distribution

Work Items	Claimed by Operator Units	Claimed by Operator Costs	Acceptable to F.T. Units	Acceptable to F.T. Costs	Cost/Unit
Core drilling	120 ft.	$ 280.00	120 ft.	$ 280.00	$2.33
Non-core drilling	2,800 ft.	4,230.07	2,024 ft.	3,492.87	1.73
Bulldozing	83 hrs.	1,973.63	83 hrs.	1,973.63	23.78
Project total		$6,483.70*		$5,746.50**	

Clinton C. Knox
Clinton C. Knox
Executive Officer

cc: OME Op.Com.(3)
King,USGS,Denver
Chester,USBM,Joplin
4312 file

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 6 1959

DATE	INITIALS	CODE

Box 431
Joplin, Missouri
February 3, 1959

AIRMAIL-REGISTERED
RETURN RECEIPT
REQUESTED

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-K1142

Dear Mr. Garner:

No response has been received from you on requests in my letters of December 8, 1958, and January 8, 1959, for you to sign and return the original and three copies of the Termination Agreement tendered with the former.

I am advised that until this Contract is terminated by agreement, consideration cannot be given regarding possible certification of a discovery, release of the Performance Bond, and final settlement of this account.

Therefore, reiterating the advice in my January 8 letter, if the original and three copies of the Termination Agreement still have not been signed and mailed back to me, please let me know at your earliest convenience when they can be expected.

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

Shadow Copies:
Mr. Paul Whelan, Lubbock
Mr. John T. Boyd, Plainview

cc: OME Op.Com.(2)
Chester,USBM,Joplin
King,USGS,Denver
4312 file

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. 110		
2. ~~800~~	1/12	
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
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
December 31, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 5 1959

DATE	INITIALS	CODE
1/5	C	220
1/9	[illegible]	130
1/12	C	220
1/13	[illegible]	700

OME Operating Committee
Room 4457 - Interior Bldg.
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Tex
Project Contract Idm-E1142

Dear Sirs:

Furnished you herewith are the original and three copies of a joint Field Team final report of December 15 by J. W. Chester, USBM, and R. U. King, USGS, covering the subject project on which their final inspection was made last September 9.

The Operator's final report by a consulting geologist finally was received yesterday, and the fifth copy is being reviewed by R. U. King in Denver with regard to acceptability by us for the Government. The Operator still has not responded to part of my December 8 letter tendering the Termination Agreement for its execution.

When we have received that executed document, and made the decision regarding acceptance of the Operator's Final Report, the proper copies will be furnished you with a request for the final audit report on the review Mr. C. E. Fisher made here last September, so that this case can be closed as soon as possible.

In accordance with your Special Notice on October 14, two copies of the Field Team Final Report on this project also are furnished the Grand Junction Office of A.E.C.

Sincerely yours,

Clinton C. Knox
Clinton C. Knox
Executive Officer
OME Field Team, Region IV

Reviewed by
OME OPERATING COMMITTEE
1-9-59
(Date)

encl. 4

cc: Op.Com.(3)
King,USGS,Denver
Chester,USBM,Joplin
4312 file

FINAL F.T. REPORT

Box 431
Joplin, Missouri
December 31, 1958

1/9

COPY
O.M.E.
JAN 5 1959
CODE
130
220

U. S. Atomic Energy Commission
Grand Junction Operations Office
Grand Junction, Colorado

Re: Docket DMEA-4312(uranium)
Briscoe County Uranium Co.
Briscoe County, Texas

Dear Sirs:

In accordance with instructions from the Washington Office of OME, two copies of a final Field Team report on a completed DMEA project by the subject Operator are enclosed herewith on a confidential basis for the record files in offices of your Agency.

Previously, one copy of each such report from this region had been furnished your Agency through its Denver Office.

Sincerely yours,

CJK/ima

Clinton J. Knox
Executive Officer
OME Field Team, Region IV

encl. 2

cc: OME Op.Com.(2)
King, USGS, Denver
Chester, USBM, Joplin
4312 file

Reviewed by
OME Operations Committee
1-9-59
(date)

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/28/59	Knouse	700
1/30	GCS	130
1/31	Johnson	110
		~~100~~
2/2		220
		700

JAN 30 1959

Mr. Clinton C. Knox
Executive Officer
OME Field Team, Region IV
Room 303, Post Office Building
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

With our letter of December 5, 1958, we forwarded a Termination Agreement for the signature of the subject Operator. Please advise the status of this agreement.

Until this contract is terminated by agreement we will not be able to release the Performance Bond for this project. Therefore, if the agreement has not been returned to your office, you should advise the Operator accordingly.

We note that the final Field Team report for this project did not include a detailed breakdown of items and cost of the work completed. Please furnish a supplement to the report which includes this information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JKB)

APPROVED:

G. T. BAROCH (JKB)
Member, Bureau of Mines

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

FLKnouse/gla
1-28-59
cc to: Director's Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

43683

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 5 1959

DATE	INITIALS	CODE
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		220

FIELD TEAM FINAL REPORT

ON

Terminated Exploration Project
Contract Idm-E1142
Rattlesnake Mine
Quitaque, Briscoe County, Texas

Docket DMEA-4312 (Uranium)
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

By

John W. Chester, Mining Engineer, U.S. Bureau of Mines, Joplin

Robert U. King, Geologist, U.S. Geological Survey, Denver

December 15, 1958

Summary, Conclusions and Recommendations:

An exploration project for uranium was conducted in Section 110, Block B1, Briscoe County, Texas between December, 1957 and June 1, 1958. Project work consisting of 83 hours of bulldozing, 120 feet of core drilling, and 2,800 feet of non-core drilling failed to reveal any economic concentrations of uranium minerals. No further exploration work is

Reviewed by
OME OPERATING COMMITTEE
1-9-59
((DECLASS))

justified and there is no basis for a certification of discovery. There was no production from the property during the project life or since.

Introduction

An application for aid in exploring for uranium deposits located 8 miles east of Silverton and 4 miles south of Silverton-Quitaque road(Texas Highway 86), Briscoe County, Texas(fig. 1), was received on May 28, 1956. The company requested Government participation in a project estimated to cost $215,917. On October 15, 1957 a contract was entered into between the Government and the Briscoe County Uranium Company for exploration project work not to cost in excess of $11,116.00 on which Government participation was set at 75 percent or a maximum of $8,337.00. The allowable work under this contract was set at 350 hours of bulldozing and/or 2,800 feet of non-core drilling and 150 feet of core drilling.

Project Work

Work began under the contract in the last week of December, 1957. The first work consisted of 83 hours

of trenching with a bulldozer. Twenty-one trenches and pits were bulldozed, radiometrically surveyed, and sampled wherever justifiable. From results of that work it was determined that further trenching would not be justified, and the drilling approved by the Field Team March 26, 1958, was begun under the alternative phases(Work Items 3 and 4) of the project Contract.

Under those project drilling phases of the Contract, a total of 120 feet of core drilling and 2,800 feet of non-core drilling was claimed in 39 holes. Of the 2,800 feet of non-core drilling, the Field Team found that only 2,024 feet was done acceptably.

All project field work was completed by the extended expiration date of the Contract, June 1, 1958, as set by Amendment No. 2.

A Termination Agreement, signed by the Acting Director, OME, was tendered on December 8, 1958 for execution by the Operator, with a Field Team letter also advising that unless the final engineering-geologic report by the Operator's Consulting Geologist was rendered by January 8, 1959, the matter would be referred to Washington for appropriate action.

Geology and Ore Deposits

The uranium deposits of the Rattlesnake mine area in Briscoe County, Texas, are in flat-lying sedimentary strata of Triassic age, along the east-facing scarp that marks the boundary between the Great Plains and the Central Lowland provinces. The sedimentary rocks that underlie the property are typically red to pink sandstone and interbedded mudstone and gray shale. Discontinuous beds of carbonaceous sandstone and sandy limestone occur throughout the area interlayered in the sandstone and shale strata. The sandstone ranges from a fine-grained, crossbedded, friable micaceous rock to a coarse-grained, indurated, arkosic, clay pellet conglomerate.

A caprock consisting of sandstone, siltstone, and conglomerate strata of Tertiary age, overlies the Triassic rocks in the western part of the property. There are no known deposits of uranium or vanadium in the Tertiary rocks in this area.

Triassic rocks are exposed in the floors and along the walls of the sharp canyons and gullies that characterize the physiography of the area. Red mudstone and claystone compose the oldest rock unit exposed in the canyon adjacent

to the open cut mine workings near the center of the property; the red mudstone occupies the lower 20 feet of the canyon wall opposite the mine. Overlying the red mudstone is a massive, pink, fine-grained sandstone unit 10 to 20 feet thick. The youngest rock unit exposed along the upper 50 feet of the canyon wall and on the relatively flat rim consists of gray to buff arkosic crossbedded sandstone and conglomerate. This uppermost unit contains lenses and pockets of carbonaceous trashy sandstone and thin calcareous sandstone beds that are as much as 5 feet thick.

The uranium deposits of the Rattlesnake mine area consist of lenticular bodies of weakly mineralized carbonaceous and calcareous sandstone in the uppermost sandstone unit. The deposits are generally conformable with the enclosing strata. Mineralization, consisting of disseminations of secondary uranium-vanadium minerals, is largely restricted to the carbon-rich trashy zones that contain fossil woody material, clay pellets, iron oxide, and gypsum. In general the deposits range from a few inches up to as much as 4 feet in thickness, but average probably not over 1 foot in thickness. The deposits are elongate with the long axis trending north-northeast. The deposit at the Rattlesnake mine is estimated to be about 100

feet long by about 50 feet wide. The grade of the deposits ranges from 0.02 to 0.39 percent U_3O_8. Although the yellow secondary uranium minerals have not been studied in detail they are presumed to be carnotite or the calcium equivalent, tyuyamunite.

The Project

Exploration under the DMEA Project Contract was started in December 1957, in an area adjacent to a canyon about 300 feet north of the Rattlesnake mine (figs. 2 and 3). Four trenches were excavated at this locality primarily to explore for uranium in the postulated trend of mineralization between the mine and the site of a group of holes previously drilled by the operator. A north-south trench (No. 1) excavated to a maximum depth of 3 feet uncovered a carbonaceous sandstone bed 3 inches thick that contained 0.05 percent U_3O_8. A second east-trending trench 3 to 4 feet deep excavated 10 feet behind the canyon rim at about the lower end of the first trench exposed mineralized gray to buff sandstone and trashy conglomerate. A third trench cut in the floor of the canyon about 10 feet lower in elevation than the first trench exposes a mineralized bed of brown trashy conglomeratic

sandstone 3 inches thick that contained 0.03 percent U_3O_8. The fourth trench exposes barren gray shaly sandstone. Two trenches, Nos. 5 and 6, were excavated in the area immediately to the southwest of the main workings to expose the uranium-bearing bed that contained the ore body of the Rattlesnake mine. Trench No. 5 uncovered an iron-stained trashy carbonaceous sandstone bed about 3 inches thick that was weakly radioactive, but Trench No. 6 exposed only a fine-grained gray barren sandstone. To further explore the trend of mineralization, 14 holes were drilled in two fences (Lines I and III) normal to the trend, 600 and 800 feet north of the mine. In only 4 of the 14 holes drilled were significant radioactivity anomalies measured. Two trenches, to explore radioactive rim exposures 100 feet southwest of the mine, uncovered barren gray shaly sandstone.

In the southern part of the property rim stripping was accomplished with the excavation of 15 trenches (fig. 2). Only two of these trenches, Nos. 7 and 8, disclosed significantly mineralized material. In trench No. 7 three limonitic-stained carbonaceous sandstone beds 3 to 6 inches thick are exposed that contain from 0.09 to 0.13 percent U_3O_8. Although

weak radioactivity anomalies were observed in some of the other trenches in the southern area, further exploration in the area did not appear to be warranted. However, on his own account, the operator drilled three non-core holes immediately north of trench 7, two of which showed significant radioactive intervals. On the basis of the results of trenching and drilling, three fences of holes (lines III, V, and VI, fig. 2) were drilled under the Contract to explore for a continuation of the mineral trend to the north. Of those 24 holes only 4 encountered measurable radioactivity. In hole 2 line III (fig. 2) the hole intersected 2 feet of limy sandstone containing 0.03 percent U_3O_8.

It appears therefore that the uranium deposits in the Rattlesnake mine area are thin lens-shaped bodies generally restricted to carbonaceous trashy zones in conglomeratic sandstone, and that they are not likely to contain material that even approaches minable thicknesses.

The results of analyses of samples are shown in the following table:

TABLE I

Results of analysis of trench and drill sludge samples

Sample No. 1/	eU3O8 2/ (percent)	U_3O_8 (Percent)	Remarks
10902-1	--	0.03	Sludge - Drill hole No.2, Line III, 44 to 46 feet.
101	0.1	0.05	Trench 1, 3 inches
102 & 103	0.12 to 0.18	0.03	Trench 3
104	0.14	0.07	Trench 8
105	0.18	0.09	" "
106	0.10	0.11	Trench 7
107	0.18	0.08	--
108	--	0.04	--
109	--	0.06	Trench 7
110	0.09	0.07	--
111	0.3	0.13	Trench 7
112	--	0.09	--
113	--	0.08	--
114	--	0.05	--
115	--	0.03	--
116	--	less than 0.01	--
117	--	0.01	
118	--	0.01	
119	--	0.03	
120	--	0.05	
121	--	0.01	

1/ Location shown on fig. 2

2/ Content estimated from probe and counter measurements.

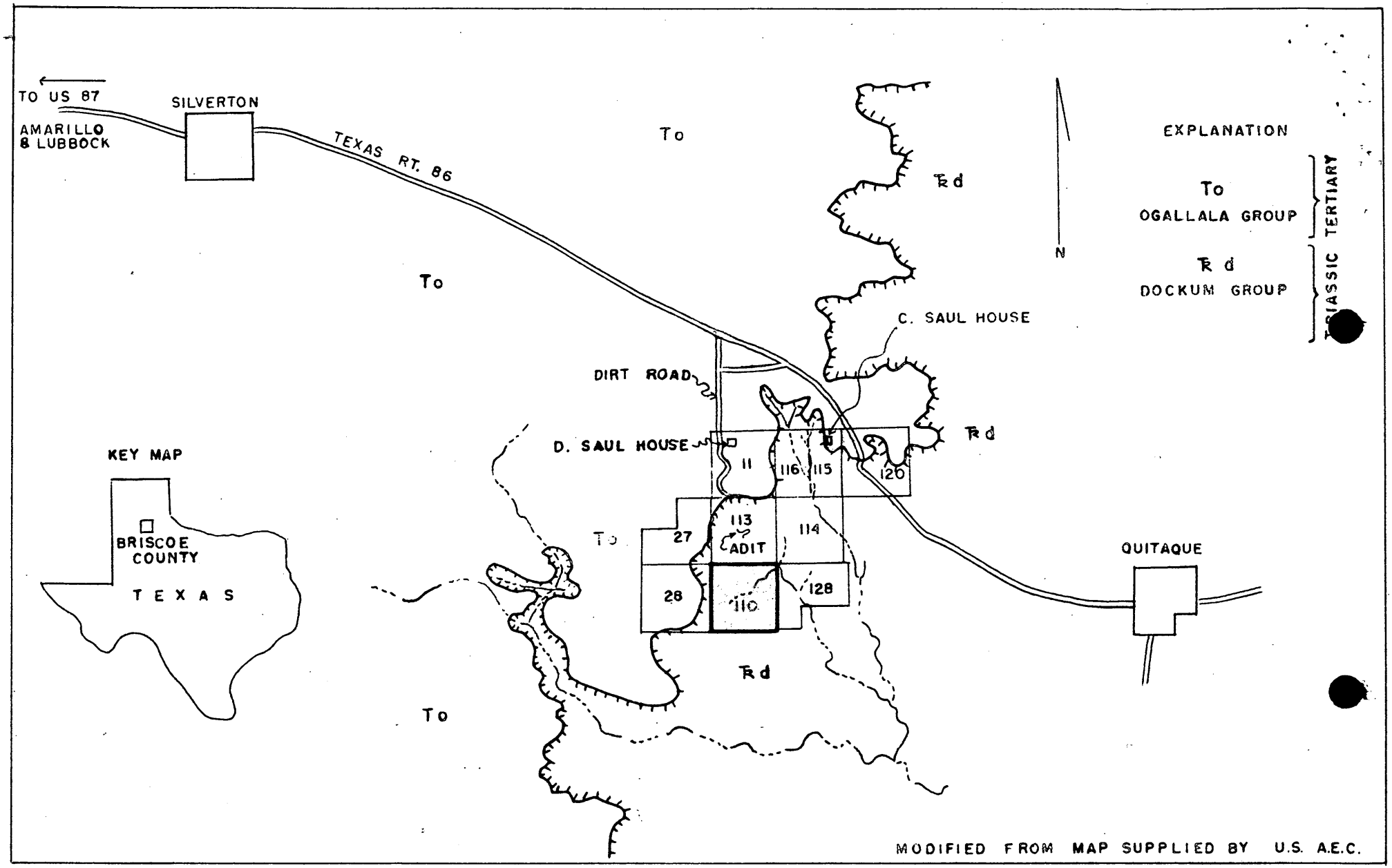

Figure 1.- INDEX MAP

Showing Geology of part of Briscoe County, Texas- and

Location of Saul Ranch (Rattlesnake Mine) Briscoe County Uranium Co. - Docket DMEA 4312

SECTION 110, BLOCK B-1

0 1 2 3 4

SCALE IN MILES

KING 1-9-57

Expenditures

The expenditures as listed in Table II are provisional pending receipt of a final report from the operator and pending final audit review.

TABLE II

Contract Maximum	$11,116.00
Gov't Participation @ 75%	8,337.00
Total claimed by Operator	6,483.70
Total acceptable to Field Team	5,746.50
Gov't Participation @ 75%	4,309.87
Gov't Share unexpended	4,027.13

Efficiency of operations

Although the objectives were attained it is felt that the project could have been pursued with more diligence and interest by the operators. This apparent lack of interest was reflected in the slowness with which the project was conducted and in the apparent laxity of supervision. This apparent laxity of supervision resulted

in the disallowance of 776 feet of non-core drilling because of non-conformance with contract provisions. Several holes were disallowed because the cuttings were not preserved, several because they were not drilled deep enough and some footage was disallowed because of the excessive depth drilled.

John W. Chester
Mining Engineer
U. S. Bureau of Mines

Robert U. King
Geologist
U. S. Geological Survey

U.S. DEPT OF THE INTERIOR
GEOLOGICAL SURVEY

FINAL REPORT
DMEA 4312 CONTRACT I-E 1142

PREPARED FOR ONME

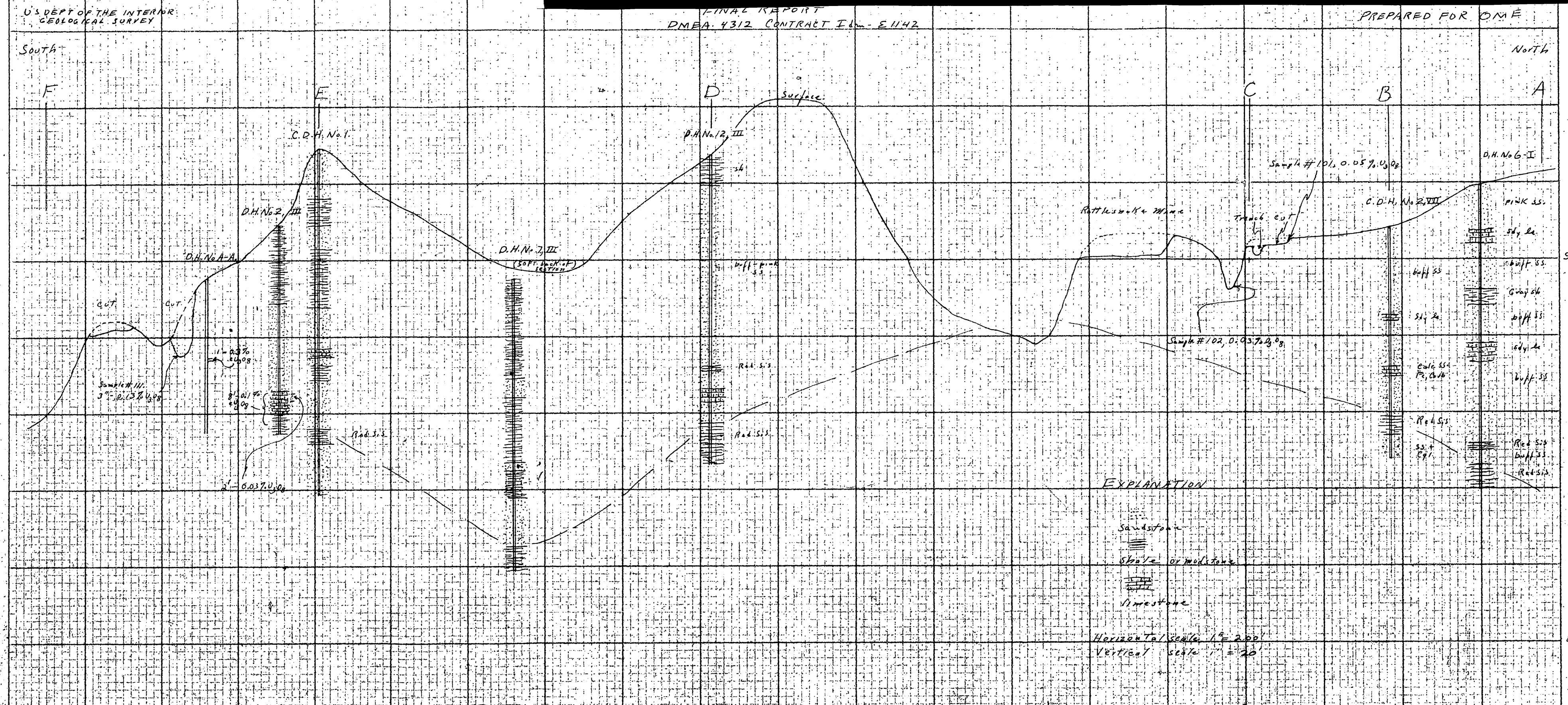

Figure 3. Vertical Section showing Drill Holes and Trenches, Briscoe County Uranium Company, Briscoe County, Texas

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JOPLIN, MO.

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EXHIBIT NO. 2

Resume of assays.

Number	Per Cent U_3O_8
101	.05
102 and 103	.03
104	.07
105	.09
106	.11
107	.08
108	.04
109	.06
110	.07
111	.13
112	.09
113	.08
114	.05
115	.03
116	Trace
117	.01
118	.01
119	.03
120	.05
121	.01

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JOPLIN, MO.

Box 431
Joplin, Missouri
January 8, 1959

RECEIVED JAN 1959

Mr. Dick Garner, Executive Farmer
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

This will acknowledge receiving your Final Report here on December 29 in the original and four copies by Mr. Phil W. Cravens, Geologist of Albuquerque, as transmitted with the letter dated December 20 by Mr. Paul Whelan, Consultant of Lubbock. A copy of this letter is being furnished directly to Mr. Whelan as information he requested.

We expected also to receive the Termination Agreement tendered in the original and four copies for your signature with my December 8 letter to you, to facilitate concluding this case at the earliest possible date.

Upon receiving your Final Report, however, copies were reviewed by the Field Team Member here, and in the Denver Office of the U. S. Geological Survey, and the original and one copy have been forwarded to the Washington Office of Minerals Exploration, and one copy for the files of the Bartlesville Finance Office of the Bureau of Mines.

If you yet have not signed and mailed to me the original and three copies of the Termination Agreement, please advise when we may expect their return.

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

cc: On. Com.(2)
Finance Officer, USBM, Bartlesville
Fin. USGS Denver

4312 file
Shadow cy to Mr. P. Whelan

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
January 8, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 12 1959

DATE	INITIALS	CODE
1-12	C	220
1/14	[illegible]	800
		700

OMF Operating Committee
4457 Interior Bldg.
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Tex.
Project Contract Idm-E1142

Dear Sirs:

Forwarded herewith are your two copies of the Final Report for the cited Operator by Mr. Phil W. Cravens, Geologist of Albuquerque, received December 29, 1958 in the original and four copies with a letter of transmittal from Mr. Paul Whelan, the project supervisor, dated December 20.

No cost claim has been received since the Operator's May MF-104 on June 30, 1958 which presumably was intended as its last.

Upon receipt here December 29, the fifth copy of the Operator's Final Report was sent to my teammate, R. U. King, USGS, Denver, a copy is being furnished with a copy of this letter for the files of the Finance Office, and the remaining copy is retained in our Joplin Office file.

The report has been reviewed here and in Denver, and found acceptable to the Field Team in fulfillment of Contract terms.

Subject to the Operator's execution and return of the Termination Agreement dated December 5, to your Audit clearance hereby requested, and to Field Team exceptions to 776 feet of non-core drilling @ $0.95 making the total of $737.20 for disallowance on the Operator's

OPR'S FINAL REPORT

April and May MF-104s(detailed during the Audit review here and in Bartlesville last September 17-18, and in the last two Interim Reports by King and Chester submitted to you last May 16 and September 25, respectively), the project also is hereby accepted as having otherwise met the terms of the Contract.

Furthermore, this expresses my full concurrence with the Field examiners on their recommendation in the Final Field Team Report submitted to you December 31, that no certification of a discovery is justified, and that acceptable project costs total $5,746.50 for all work items acceptably performed which consisted of 83 hours of bulldozer rim-stripping, 2,024 feet of non-core, and 120 feet of core drilling.

Also forwarded herewith for your further information is one of your copies(excepting the MF-104 Voucher) of the Operator's last(May) Progress Report, which yet is to be approved pending clearance from you for the final settlement. The original with cost documentation and your other copies of this May Report of the Operator are being withheld here. Please advise if any documents in our Joplin Field Team file or the Bartlesville Finance Office file are needed for completion of the Audit review.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
OMF Field Team, Region IV

encl. 3
cc: Op.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin
Finance Off.,USBM,Bartlesville
4312 file

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 12 1959

DATE	INITIALS	CODE

OPERATOR'S FINAL REPORT

DMEA No. 4312 Uranium
Contract No. Idm- E1142
Operator- Briscoe County Uranium Company
Property- Rattlesnake Mine
Location- Briscoe County, Texas

CONTENTS

1. Summary of Project

2. Description of Geology

3. Exhibit No. 1, Map of Property

4. Exhibit No. 2, Resume of Assays

5. Comments

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DEC 29 1958

BUREAU OF MINES
JOPLIN, MO.

1. SUMMARY OF PROJECT

On December 17, 1957 Planning of dozer trenching was begun on the site and on December 20 actual work was started. Shortly after stopping dozer work approval to begin drilling was received from the Government March 26, 1958 and work was begun on lines I and III soon thereafter.

During the project the following work was completed (shown with costs for each category)

120 feet core drilling	280.00
2800 feet non-core drilling	4230.07
83 hours bulldozing	1973.63
Total	6483.70

All work under the scope of the contract was completed in May of 1958

Description of Geology

The area of the Rattlesnake Mine is located in a shallow canyon caused by the loss of a resistant cap and subsequent degradation. It is typified by escarpments and arroyos which interrupt the flat plains.

A gentle southwest trending dip is the predominate structural feature; the beds are, however, almost flat-lying. Some local, very low-angle reversals of dip can be noted.

The sediments are stratigraphically located in the Triassic System and have been called the Dockum group (undifferentiated). The bottom of the visible section consists of a massive-to-thick-bedded, medium-grained, friable, red sandstone. In the upper part of the section this lithology persists but is interrupted by a zone of intercalated, sandy-limestone units. It is these units which cause interest to be focused on this area because they contain the radioactive material. These units range from a few inches thick at the bottom to tens of feet thick at the top. This is a gray, medium-to-coarse-grained sandy-limestone with authigenic gypsum, iron, and uranium salts. These authigenic minerals are related to and probably precipitated by carbon trash or botanical debris. This carbon trash does not occur as a blanket horizon but is scattered and might suggest channelization. It is, however, found in two rather distinct horizons separated by the red sandstone. These zones are readily recognized by their rust color. All the uranium mineralization is confined to these zones. Concentration varies from .01% to .17% U_3O_8.

A reasonably conclusive drilling program has been completed on this property (see appended map) and has shown the mineralization to be distributed over a wide area. It also proved the absence of the limestone units at greater depth. The ore encountered was erratic and generally low-grade. No holes were drilled over 100 feet because of the absence of the limestone units and the barren nature of the red sandstone.

The erratic nature of the mineralization would require a selective mining operation in which the overhead would be greater than the production income. The great distance to a market (Grants, N.M.) and the over-all low grade of the ore does not justify continued investment.

With the above factors in mind, this could not be classified as an ore reserve but only as spotty mineralization which could assume ore reserve status only by an increased demand which is not foreseen.

Respectfully submitted

Phil Cravens

Phil Cravens

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JOPLIN, MO.

5. COMMENTS

Refer to Exhibits 1 and 2 for sample locations and assays. On exhibit no. 1 please note areas "A" thru "E"; the broken line outlines of which delineate roughly the lateral extent of uranium mineralization as determined by the operator from all information till now. This is, of course, overlooking regions of slight radioactivity where no samples could be procured having more than a trace chemically of U_3O_8. On Exhibit no. 2 it will be seen that with the exceptions of #106 and #111 all the samples assayed are less than .10% U_3O_8. None of the drilling during the project penetrated ore of over .10% U_3O_8 as determined from radiometric probing and assaying (where radioactive cuttings were retreived).

Since area"C", which shows the only possible ore reserves, was previously drilled the operator concludes that no reserves of ore grade were discovered as a result of the DMEA project. There was no production from this property during the time of the project or since.

With the exception of a few periods of inclement weather during the Winter conditions in the field were good and no abnormal difficulties in drilling were encountered. Some dynamiting was necessary during the trenching. The results of the project, the operator feels, is to generally condemn what were the more obvious areas for prospecting while still leaving the west one-third of the property untouched, and at the present time the possibility of doing further drilling in this region is under discussion.

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DATE	INITIALS	CODE

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS
Dec. 20, 1958

Mr. Gilbert L. Hess
Dept. of the Interior
Box 431
Joplin, Mo.

Dear Mr. Hess,

An acknowledgment for your [illegible] the operator's final [illegible] copy of [illegible] consulting geological [illegible] letter of transmittal.

Please advise me directly of any [illegible] from which you may receive.

Sincerely yours,

Subject: Geological [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

September 1, 1958

TO WHOM IT MAY CONCERN:

I, Phil W. Cravens, am a graduate with a B.S. degree in geology from the University of New Mexico, having obtained 63 credit hours in that field.

Following is a resume of my past experience in uranium exploration and development.

Employed by	Time Employed	Duty
Poco Uranium Corp. Albuquerque, N.M.	3 months	Field Supervisor for prospecting and claim staking crew.
Larrazolo and Assoc. Albuq., N.M.	2 months	Prospecting and property analysis.
Joe Heaston Albuq., N.M.	2 days	Property evaluation.
Bell Bros. Albuq, N,M.	3 days	Core hole probing and property analysis.
Edward H. Snow Albuq., N.M.	3 months	Supervising a core drilling program, surface mapping and property evaluation.
Jack Gilstrap Albuq., N.M.	2.5 months	Property evaluation.
Yucca Uranium Corp. Albuq.,N.M.	2 weeks	Supervising claim staking program.

The above experience is restricted to uranium investigations while being employed as a geological consultant.

Respectfully submitted

Phil W. Cravens

Phil W. Cravens
3404 Cagua Dr. NE
Albuquerque, New Mex.

RECEIVED
DIVISION OF MINES
GEOLOGY

OFFICIAL FILE COPY O. M. E. RECEIVED JAN 9 1959		
DATE	INITIALS	CODE
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"	Knouse	700

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

Date January 8, 1959
DMEA Docket No. 4312
DMEA Contract No. Idm-E1142
Commodity Uranium
Name of Applicant Briscoe County Uranium Co.
Location of property Briscoe County, Texas
Estimated cost of project $11,116.00

Memorandum

To: Frederick L. Knouse, Acting Director, OME
Rare and Misc. Minerals Division

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

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

1. Date of subject document: 12/31/58 2. Date received by reviewer: 1/7/59

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

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

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

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

7. Explain items marked 'yes' above:

8. Factors meriting special consideration:

a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs
h. ☐

9. Action advised:

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

10. Remarks: (Use back of page if necessary). Recommend that certification of discovery or development not be issued.

OFFICIAL FILE COPY O. M. E. RECEIVED JAN 2 1959		
DATE	INITIALS	CODE
1-2	C	220
1-2	GET	800
1-6	Guard	700

Box 431
Joplin, Missouri
December 29, 1958

Memorandum

To: Robert U. King, USGS, Denver, Colorado

From: Executive Officer, OME Field Team, Region IV

Subject: Operator's Final Engineering-Geologic Report
Briscoe County Uranium Co. (DMEA-4312)(uranium)
Rattlesnake Mine, Briscoe County, Tex.
Project Contract Idm-E1142

Here is the fifth copy of the subject report received today with a letter dated December 20 from Mr. Paul Whelan.

It appears to be no better or no worse than we expected. Please advise as soon as possible if you have any objection to its acceptance by the Field Team for the Government.

We expect to have the joint Field Team report typed for submittal to Washington shortly.

CCK/imd
encl.

Clinton C. Knox

cc: OME Op.Com.(2)
Chester, USBM, Joplin
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
December 8, 1958

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DATE	INITIALS	
12/12	C	220
12/12	[illegible]	800
1"	[illegible]	700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312 ([illegible])
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

Enclosed for your signature are the original and four copies of a Termination Agreement for the subject Contract signed by the Acting Director, Office of Minerals Exploration, Department of the Interior, Washington, D. C. Because all the work provided for in the Contract was not completed, it is desirable that the Contract be mutually terminated.

If you find the agreement satisfactory, please sign and return to me for distribution the original and three copies, retaining the "Operator's Copy" for your files; otherwise, return all with a statement of your objections.

For your further information, since the authority under DMEA expired June 30, 1958, the Office of Minerals Exploration is its successor Agency under the enactment of August 21, 1958 (Public Law 85-701, S.3317) to complete all DMEA Contract commitments, and to administer the Government's new program of exploration assistance.

We have long expected to receive the final engineering and geologic report and ore reserve estimate from your consulting geologist as required under your Contract, as mentioned in my letter to you on June 6, and as promised by Mr. Paul Whelan during his phone call to me on August 14. In your last NF-104 Voucher(May, 1957) claim was made for $300 paid June 19 to Mr. Phil Cravens, Consulting Geologist, Albuquerque, which I presume was to cover preparation of your final reports in accordance with Article 7(c) and the last sentence of the last paragraph under the General Provisions, Exhibit "A" of your Contract.

We are not to permit indefinite delay in closing this case. Therefore, unless an acceptable final report is received from you within 30 days from the date of this letter, the matter will be referred to the Washington Office of O&E for appropriate action.

Sincerely yours,

CCK/[illegible]

Clinton C. Knox
Executive Officer
O&E Field Team, Region IV

encl. 5

cc: [illegible] p. Com(2)
[illegible] Finance Officer, [illegible], Barnesville
[illegible], [illegible], Denver w/o term.Agree.
[illegible]hester, [illegible], Joplin w/o term.Agree.
4312 File
Shadow cy-Mr. Paul Whelan
Mr. John T. Boyd

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/26/58	Knouse	700
12-2	Chandler	800
12/5	GLS	130
	Long	140
	Sawyer	140
12/5	Johnson	110
		~~100~~
12/8	C.	540 220
		700

DEC 5 1958

Mr. Clinton C. Knox
Executive Officer
OME Field Team, Region IV
Room 303, Post Office Building
P. O. Box 431
Joplin, Missouri

INTERIOR DEPT.
DEC 3 - 1958
SOLICITOR

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed are the original and four copies, with two extra copies for Field Team use, of a Termination Agreement for the subject contract, signed by the Acting Director. The agreement consists of one page. Since all of the work provided for in the contract was not completed, the contract should be mutually terminated.

If you and the Operator find the agreement satisfactory, it is ready for the Operator's signature. After the agreement is signed, please make the usual distribution of the document.

Please advise if the Operator has rendered its final report and, if the report has not been received, what action is planned or recommended to close this case.

The Operator should be advised that OME is the successor agency to the DMEA.

RECEIVED
Dec 3 1958
ASSOC. SOLICITOR
MINERAL RESOURCES

Sincerely yours,

George C. Selfridge
ACTING Chairman, Operating Committee (GLS)

Enclosures

APPROVED:

C. T. BAROCH (GLS)
Member, Bureau of Mines

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

FLKnouse/gla 11-26-58
cc to: Director's Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

8623

DRAFT 11/26/58
FLKnouse/gla

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 Briscoe County Uranium Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E 1142, Docket No. DMEA-4312, dated October 15, 1957 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 not contribute ~~only~~ xxx to the ~~agreed actual and fixed~~ xxxxxxxxxxxxxxxxxxx ~~with~~ xxx costs of any xxx work performed after ~~to~~ xxxxxxx 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 _____
~~xxxxxxxxxxxxxxxxxxxxxxxxxxxx~~
~~xxxxxxxxxxxxxxxxxxxxxxxxxx~~
Director, Office of Minerals Exploration

BRISCOE COUNTY URANIUM COMPANY

By _____

Title _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
September 25, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED SEP 29 1958

DATE	INITIALS	CODE
9-29	C	220
9/30	Cpm	100
"	fe	110
10/1	CEF	800
10/2	Kuson	700

OME Operating Committee
Room 4457
Department of the Interior
Washington 25, D.C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Quitaque, Texas
Project Contract Idm-E1142

Dear Sirs:

Submitted herewith is a report in quadruplicate on the final Field inspection by Chester, USBM, and King, USGS, at this project on September 9. Afterward, we discussed the project results during the day of September 12 which King spent in Joplin.

The approved project work under alternative work items 3 and 4, Exhibit "A", of the Contract, ostensibly had been completed by the June 1 expiration date set in Amendment No. 2. No further work appeared justified. The long-promised Operator's final reports have not been forthcoming to date.

The Field examiners are shceduled to prepare the Field Team final report for submittal to you by October 15. They have tentatively concluded that no "Certification" can be recommended, but subject to receipt of the Operator's final report and accounting, and an audit report to be requested then from your office, facts and figures for the final Field report in the form to be submitted necessarily might not be exactly correct.

Mr. C. E. Fisher, DMEA Auditor, reviewed this docket with Chester here on September 17, and with me in the Finance Office, USBM, Bartlesville, on September 18, which is expected to suffice for eventual issuance of the Final Audit Review when we have accepted the Operator's final report, and appropriate adjustments are made in the final cost claim totals.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
OME Field Team, Region IV

encl. 4

cc: Op.Com.(3)
King,USGS,Denver w/c rpt,
Chester,USBM,Joplin w/cy rpt
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
September 19, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED SEP 29 1
DATE | INITIALS

Memorandum

To: Executive Officer, DMEA Field Team, Region IV, Joplin, Mo. C.C.K.

From: Robert U. King, USGS, and John W. Chester, USBM

Subject: DMEA Docket-4312(uranium), Contract No. Idm-E1142
Saul Ranch(Rattlesnake Mine), Briscoe County, Texas,
Interim Engineering and Geologic Report

On September 9, 1958, an interim inspection of the subject contract project was made by John W. Chester, USBM and Robert U. King, USGS, The examiners were met at the property by Mr. Paul Whelan, Project Supervisor. The purpose of the inspection was to examine the drill hole cuttings of the Stage II holes.

Drill hole cuttings for 8 of the 13 holes drilled since the last inspection were satisfactorily labeled and preserved under cover.

According to the Operator's geologic logs and geologic sections the Stage II holes penetrated buff to pink sandstone, with interbedded red siltstone and limestone. Minor radioactivity associated with limey beds was encountered in 3 of the 13 holes drilled. On the basis of the correlation made by the project supervisor, one hole(Hole No. 3, line 6) was not drilled to a sufficient depth to have hit the favorable sandstone beds. The results of the Stage II drill holes are not sufficiently encouraging to justify any further exploration on this project.

A summary of the 13 holes drilled since the last interim inspection with recommended disallowances is as follows:

Line	Hole	Claimed	Disallowed	Allowed	Remarks
V	1	80	-	80	OK
	2	86	-	86	OK
	3	92	-	92	OK
	4	100	100	0	Cuttings missing from lower part of hole(beyond 76') could not determine if hole went to claimed depth.
	5	110	10	100	Determined hole only went to 100'

Line	Hole	Claimed	Disallowed	Allowed	Remarks
VI	1	82	-	82	
	2	86	-	86	
	3	76	76	0	Hole not deep enough
	4	100	0	100	
	5	77	77	0	Bottom cuttings not preserved-could not determine if hole was drilled deep enough
VII	3	58	58	0	No cuttings
	4	62	62	0	No cuttings
	5	80	80	0	No cuttings
		1,089	463	626	
MF-104 claim		1,084			

626' @ $0.95 = $954.70

The logs indicate that 1,089 feet of hole were drilled although only 1,084 feet were claimed on their MF-104. An additional 30 feet of non-core drilling was done acceptably in core holes but apparently was not claimed.

John W. Chester

John W. Chester
Mining Engineer
U. S. Bureau of Mines

Robert U. King
Geologist
U. S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
September 15, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 22 1958

DATE	INITIALS	CODE
9-22	C	220
9/22	[illegible]	800
[illegible]	[illegible]	700

Mr. John T. Boyd
Morehead, Sharp & Boyd
P. O. Box 790
Plainview, Texas

Re: DMEA-4312 (uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Boyd:

This is to acknowledge receipt of your letter on September 12 inquiring as to the intention of DMEA regarding issuance of a "Certification of Discovery" on the above cited project Contract. Photo copies of your letter have been made and sent for the attention of my teammate, Robert U. King of the U. S. Geological Survey, Denver, and the Washington Office of DMEA.

In accordance with the subject Contract, the Government has until 6 months following receipt of the Operator's final engineering and geologic report and ore estimate to decide whether a "Certification of Discovery" should be issued. That final report and ore estimate have not been received here to date, but please rest assured that immediately upon receiving them here, if deemed acceptable to the Government, I will forward them to the Washington Office of DMEA which will make the decision regarding whether a certification should be issued at the earliest possible moment. Thus, I am not yet in a position to advise you as to when the obligation of the Bonding Company should be terminated.

With kindest personal regards, I am,

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Opi.Com.(2) w/cy inc. corre.
King, USGS, Denver w/cy " "
4312 file

(3)
make & send following photo
DMEA Op. Com. (2)
Reing, USGS, Denver
GAK

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

September 12, 1958

United States Department of Interior
Defense Minerals Exploration Administration
Box 431
Joplin, Missouri

Re: DMEA-4312 (uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Attention: Clinton C. Knox

Dear Mr. Knox:

On the 22nd day of September, 1958 it will be necessary for the Briscoe County Uranium Company to pay another years premium on the bond supplied by them to the DEMA. It has been my understanding from conversations with Paul Whelan that the Government does not consider a discovery or development from which production may be made has been had in connection with this contract. I would appreciate it very much if you would advise me whether or not the contract and obligation of the sureties on this bond have terminted by virtue of Article 8 and if it has not done so, approximately when such termination will be had.

I would appreciate any information you can give me on this.

Yours very truly,

John T. Boyd

JTB:jd

cc: Don Mouser Agency
P. O. Box 467
Plainview, Texas

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

SEP 15 1958

BUREAU OF MINES
JOPLIN, MO.

700

2

9/15-Kuaner 700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 631
[illegible], Missouri
September [illegible], 1958

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Room 4457
Department of the Interior
Washington 25, D. C.

Re: Pending Final Field Team Reports

Dear Mr. Selfridge:

In response to the request in your September 2 letter on this subject a shcedule for submitting our pending final reports follows:

Completed projects: (2)

Contract	Docket	Operator	Date for Final Field Report	Date for Operator's Final Rpt.
Idm-E48	DMEA-[illegible]	National Lead Co.	10-25-58	not received
✓Idm-E1142	DMEA-[illegible]	Briscoe County Uranium Co.	10-15-58	not received

Expired contracts: (2 in default - unauthorized termination of work)

Contract	Docket	Operator	Contract expired	Work stopped
Idm-E1084	DMEA-[illegible]	Trans-Pecos Minerals	8-1-58	9-6-57
Idm-E1129	DMEA-[illegible]	Southern Geophysical	9-[illegible]-58	1-27-58

Contracts in force: (4 - see Field Team Monthly Report submitted 9-9-58)

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.
King, USGS, Denver
Amos, USGS, Carbondale
DMEA Gen.corre.file

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/9	C	220
		700
		~~700~~
		~~500~~
11/13	Course	700

SEP 5 1958

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
Box 431
Joplin, Missouri

Re: Docket No. DMEA-1371 (Lead-Copper)
National Lead Company
Madison, Bollinger & Perry
Counties, Missouri
Amended Contract No. Ida-78

Dear Mr. Knox:

Mr. C. T. Fisher will make the final cost audit of the subject contract as requested in your letter dated August 27, 1958, to Mr. Selfridge.

If it is convenient to you, Mr. Fisher will arrive in Joplin for this purpose on Tuesday, September 16. If this date will conflict with other plans you may have made, September 23 is suggested as an alternative.

During this audit trip he will also review the Joplin and Bartlesville office files pertaining to Contracts Ida-1074, 1120, and 1142 (DMEA Nos. 4476, 4447, and 4312).

Will you please advise promptly which date is preferred by you or suggest a date if neither of those mentioned fits into your schedule.

Sincerely yours,

(Signed) E. D. Talbert

for Jay T. Chambers, Director
Contract Administration
and Audit Division

CFFisher/amc
September 5, 1958

Copy to: Docket - DMEA-4312
Admr. Reading File
Mr. Chambers

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
August 29, 1958

DMEA
RECEIVED SEP 2 1958

DATE	INITIALS	CODE
9/2	C	220
9/2	[illegible]	800
9/3	Kuglmann	700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-21142

Dear Mr. Garner:

With reference to the copy sent you of my August 14 letter to Mr. Paul Whelan, this is to advise that Robert U. King of the U. S. Geological Survey, Denver and J. W. Chester of the U. S. Bureau of Mines, Joplin, are to arrive at the captioned project about 9 a.m. Tuesday, September 9, 1958, to make our final Field Team inspection of the project. They also are to examine the drill hole cuttings and core samples which we understand still are stored there. Please arrange for your representative to accompany them on the property. A copy of this letter also is being sent to Mr. Whelan.

With kindest regards, I am,

Sincerely yours,

CCK/ia

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: Mr. Paul Whelan, Lubbock, Tex.
DMEA O.D.Com.(2)
King, USGS, Denver
Chester, USBM, Joplin
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
August 14, 1958

DMEA
RECEIVED AUG 18 1958

DATE		CODE
8/18	N.G.	225
8/18	400	800
"	[illegible]	700

AIRMAIL

Mr. Paul Whelan
Consulting Geophysicist
2513 61st Street
Lubbock, Texas

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Whelan:

This is in response to your request by phone today on behalf of the consulting geologist in the employ of the subject Operator for suggestions on compiling its final engineering and geologic report and ore reserve estimates from all the data on this completed project.

In that report, the Government wants to know especially what the Operator believes it has found or added to the reserves of strategic minerals, what production has been made or possibly might be made, and what its plans are for work beyond the expiration date of this Contract last June 1. Please bear in mind also that even negative information may be of value at some future date, and or course, all favorable information is essential.

As a further guide to preparation of this final report, you may find the attached brief suggestion for an outline of some use.

As I also explained during your phone call, my teammate, Robert U. King of the Geological Survey in Denver, will be on vacation the next two weeks. However, in the early part of September he plans to have the opportunity to be in that locality on other work at which time the final Field Team inspection of this project and the core and cutting samples stored there since his previous visit, will be made. You and Mr. Garner will be advised well in advance when an exact date is scheduled.

With best personal regards, I am,

Sincerely yours,

CCK/id

encl.

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin

Shadow - Mr. Dick Garner,Plainview,Tex.
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
July 29, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 4 1958

DATE	INITIALS	CODE
8/4	J.J.G.	225
8/5	[illegible]	800
"	7414	700

Mrs. Cora A. Bailey, Fiscal Officer
U. S. Bureau of Mines, Region IV
206 Federal Building
Bartlesville, Oklahoma

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mrs. Bailey:

Transmitted herewith is the original of the April MF-104 Report and cost documentation for work under the cited Contract, approved in the amount of $2,045.92 after disallowances totaling $302.10.

Sincerely yours,

/ic

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
July 30, 1958

8/4 J.G. 225
8/4 800
8/5 700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

This is to advise that your Monthly Progress Report received June 30 covering the project work claimed for April, 1958, has been approved in the amount of $2,045.92 after a $302.10 disallowance was made by the Field Team because 318 feet of the non-core drilling you claimed at $0.95 per foot is not considered to have been performed acceptably under the terms of the Contract.

As provided in Article 5, and with respect to Article 7(c) and the last sentence of the "General Provisions" in Exhibit "A" of your Contract, my approval of your other Monthly Progress Report received June 30, covering completion of the project work during May, will be withheld pending receipt from you of an acceptable final engineering and geologic report and ore reserve estimates by the consulting geologist. Following mention of that requirement in my letter to you on June 6, we have been expecting momentarily to receive that report from you or the consultant we met there last December.

Furthermore, processing your May MF-104 claim for my approval will be delayed until the Field Team's final inspection of your project and all the drill hole samples can be made.

Reiterating from my letter to you on June 6, please rest assured that our final inspection will be scheduled at the earliest possible opportunity, and you will be advised ot the date in advance.

With best personal regards, I am,

Sincerely yours,

CCK/bd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA O.Com.(2)
King, USGS, Denver
Chester, USBM, Joplin
Finance Officer, USBM, Bartlesville
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
July 1, 1958

7/7 C 220
7/7 800
7/8 700

Mrs. Cora A. Bailey, Fiscal Officer
U. S. Bureau of Mines, Region IV
206 Federal Building
Bartlesville, Oklahoma

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mrs. Bailey:

Transmitted herewith is the original of the February MF-104 Report and cost documentation for work under the cited Contract, approved in the claimed amount of $820.75 to be certified for the Government's 75 percent participation payment.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encls. 2

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
July 1, 1958

7/7 C 220
7/7 800
7/8 700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

This will acknowledge receipt yesterday of your Monthly Progress Reports both for April and for May in the same package. They are being studied by the Field Team Members who will advise if any additional information is required. I assume that your final engineering and geologic report and ore reserve estimate required under the Contract from your consulting geologist are in preparation and will follow.

Thus, your Monthly Progress Report received March 20 covering the project work in February has been approved in the claimed amount.

Sets of the MF-104 and MF-104A Forms are enclosed for use should there be any work and costs yet to be reported.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encls.

cc: DMEA Op.Com.(2)
King, USGS, Denver
Chester, USBM, Joplin
Finance Officer, USBM, Bartlesville
4312 file
Mr. Paul Whelan, Lubbock, Tex.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
June 20, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 25 1958

DATE		CODE
6/25	C	220
6/26	MOT	800
6/27	FMM	700

Mr. D. J. Cronkhite, Bond Manager
The American Insurance Group
1315 Pacific Avenue
Dallas 2, Texas

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-61142
Performance Bond S-4670817

Dear Mr. Cronkhite:

This is in reply to your June 18 letter requesting information on when your liability under the subject Performance Bond will terminate.

Because we have not received progress reports on the project work since that for February and which in compliance with the Contract requirements should have been submitted monthly, we are unable to determine whether the work has been completed acceptably. Likewise, granting of another amendment to extend the expiration date of this Contract beyond June 1 as recently requested in a brief letter from this Operator could not be justified. Therefore, the Operator was formally advised at that time to promptly submit each of the Monthly Reports which were overdue, and to have its final geologic and engineering report and ore reserve estimate prepared by its consulting geological engineer as also required under the Contract. Furthermore, as stipulated in the Contract, the Government has until 6 months following receipt of that final report and ore estimate to certify any discovery.

Providing that the Operator does not fall in default under its Contract, and following that 6-month period in which the Government may certify, I am certain that the Washington office of DMEA will advise you at the earliest possible moment when and if your liability under the Performance Bond will terminate.

Please do not hesitate to write if you have any further consideration that can be referred through me to that Washington Office where the subject Bond of your company is on file, or write directly to Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C. for authoritative advice of our legal counsel there.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/is

cc: DMEA Op.Com.(2)
aing.U.S.,Denver
4312 file
Mr.Dick Carmer, Plainview, Tex.

(COPY)id

The American Insurance Group

Dallas Branch Office
1315 Pacific Avenue
Dallas 2, Texas

June 18, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 25 1958
DATE | ACTION | CODE

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
United States Department of the Interior
Box 431
Joplin, Missouri

Dear Mr. Knox:

In re: Bond S-467 0817 - DMEA-4312(uranium)
Briscoe County Uranium Company, Rattlesnake Mine,
Brisco County, Texas

Since receipt of your letter of April 25th, we have checked into this matter further with the attorney representing our principal.

As we understand the situation, the work to be performed under their agreement with you has now been completed and no discovery of uranium was made. It is also our understanding that a report to that effect, as well as a report of the accounting of the moneys advanced, has been or is in the process of being submitted to your department.

It is our further understanding that, if you certify that no discovery was made and approve the accounting as filed, liability under our bond will then be terminated.

We would appreciate your advices as respects the status of the above reports. If the reports have been submitted, or after they are submitted, we would appreciate your estimate as to the time necessary for you to approve or certify them.

We would also like information as to whether or not our understanding relative to termination of our liability when a discovery is not made is correct.

Your advices at your convenience will be very much appreciated.

Yours very truly

/s/ D. J. Cronkhite
/t/ D. J. Cronkhite
Bond Manager

DJC;k

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
June 6, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED JUN 10 1958

6/12 C 220
4/12 [illegible] 800
" [illegible] 700

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-21142

Dear Mr. Garner:

This will acknowledge receipt of the May 31 letter from Paul Whelan requesting on your behalf another extension of the exploration date of your DMEA exploration Project Contract.

In view of the fact that DMEA already has granted two amendments extending the time for completion of that project work, and that presumably all the approved exploratory bulldozing and drilling was completed before the June 1 completion date of existing contract (amended), and that no actual progress reports or project cost claims have been received from you or on those covering the February work, I do not believe that Item 1 of this vicious loop could justify any recommendation at this time for us to grant your request for a No. 3 Amendment to extend the completion date of the subject Contract again by 15 days to June 15, 1958. Furthermore, the existing DMEA authority is expected to expire at midnight June 30.

Therefore, without further delays, please submit each of your Monthly Progress Reports which were due on the 15th of each month following any work on the project; and, in accordance with Article 7(c) and the last sentence of the last paragraph under the General Provisions in Exhibit "A" of your Contract, please arrange for the final engineering and geologic report and ore reserve estimates required upon termination.

Also as stipulated in Exhibit "A", please preserve the drill hole core and cuttings samples, properly labeled and stored, pending our final inspection which will be at the earliest date on which another trip to your project can be justified following receipt of adequate reports mentioned above as required from you. Then you will be notified in advance when to expect us at the project.

Sincerely yours,

[illegible] S. Knox
Executive Officer
DMEA Field Team, Region IV

SCK/ic

cc: Mr. Paul Whelan, Lubbock, Tex.
DMEA Op.Com.(2) w/c inc.cor.
King,USGS,Denver, w/c inc. cor.
Chester,USBM,Joplin
Finance Officer,USBM,Bartlesville
4312 file

(COPY)id

PAUL WHELAN
Consulting Geophysicist
Box 3074
Lubbock, Texas

May 31, 1958

Mr. Clinton C. Knox
DMEA
P.O. Box 431
Joplin, Mo.

Subj.: DMEA-4312(uranium)

Dear Mr. Knox:

We have incurred all major expenses on the subject project including drilling, but have several minor items to complete, and do, by this letter submit a request for an extension of termination date to the 15th day of June, 1958.

Sincerely yours,

/s/ Dick Garner by Paul Whelan
/t/ Dick Garner Executive Partner

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
May 26, 1958

OFFICIAL FILE
DMEA
RECEIVED JUN 2 1958
CODE
6/2 C 220

Mr. Paul Whelan
Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Whelan:

This is written confirmation of the approval of the Government given verbally by the Field Team examiners when inspecting your project on May 12 for additional non-core drilling of 18 holes at sites indicated on the sketch map furnished then with your written request and verbal justification.

A print of that sketch map is attached herewith showing those hole sites on Lines V, VI, VII and VIII. It is understood that the verbal approval was given with the provisos that holes in Line VII be drilled before Line VIII, and that holes in Line VI be drilled before Line V; and, of course, that the total footage would not exceed that allowable under the Contract, and that all will be completed within the time limitation set by Amendment No. 2.

This also is to acknowledge receipt of your undated postcard on May 19 explaining that because of the effort being made to finish these additional drill holes, submittal of your Progress Reports for your previous months' project work will be delayed.

Please keep us informed, however, on all phases of the work as it progresses.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin
4312 file
Shadow-Mr. Dick Garner
Plainview, Tex.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
May 16, 1958

DMEA
RECEIVED 19 58

5/19	C	220
5/19	Com	100
"	FED	110
5/19	[illegible]	800
5/21	[illegible]	700

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

Transmitted herewith are four copies of the Interim Report by King, USGS and Chester, USBM covering their May 12 joint Field inspection of the subject project.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encls. 4

cc: DMEA Op.Com.(3)
King, USGS, Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
May 16, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 19 1958
DATE | CODE

Memorandum

To: R. U. King, USGS, Denver, Colo.

From: Executive Officer, DMEA Field Team, Region IV

Subject: Return of your copy of your Interim Report May 12 inspection, Project Idm-E1142, Briscoe County, Uranium, DMEA-4312

Four copies of your subject report have been transmitted to Washington and two copies with copy of the Operator's request for additional holes and map are returned herewith to you.

I will write a letter of confirmation on the verbal approval you gave for those additional 18 non-core holes.

Previously, contrary to my April 24 memo to you and to my May 6 letter to the Operator's project geologist, 26 holes were drilled instead of the 24 that were approved. ?

No MF-104 Reports have been received, however, from this Operator since that for the February work.

CCK/id

Clinton C. Knox

encl. 4

cc: DMEA Op.Com.(2)
Chester, USBM, Joplin
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
May 13, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 19 1958
CODE

Memorandum

To: C. C. Knox, Executive Officer, DMEA Region IV

From: R. U. King and J. W. Chester

Subject: Interim Geologic and Engineering Report
Briscoe County Uranium Co., DMEA-4312, (Uranium)
Project Contract Idm-E1142

The subject project was inspected on May 12, 1958 by R. U. King and J. W. Chester in company with Paul Whelan, geologist; Dick Garner, partner; and Clyde Saul, property owner. Physical location, cuttings and cores from 26 completed holes were examined. It was determined that work was done substantially in conformance with the contract provisions with the exception of certain holes not bottomed according to specifications. Future plans were discussed with Whelan, Garner and Doyle Saul on May 13, 1958.

Since the last project inspection, 14 non-core holes in line III and 10 non-core holes in line I were drilled. In addition one core hole was drilled offset from line III as approved by Field Team in letter of May 6, 1958 and one core hole offset from line I approved in the same letter was drilled. A total footage of 1,636 was drilled in non-core holes and 150 feet was drilled in core holes.

Cuttings from the non-core holes were examined. These cuttings had been stored in paper sacks in two foot runs and placed in one of the outbuildings of the ranch. Each sack was plainly marked with hole number, line, and bottom of run. The approximate depth at which the red mudstone was encountered was determined from the cuttings for use as a check against the operators forthcoming monthly report. Although the cuttings were logged and the depth to red mudstone or pink siltstone was observed as shown in the following tabulation, these results should be used only as a check against the operators more precise logs and sections to be included in his forthcoming 104 reports. The column marked Depth to Red mud is the footage to the bottom of the run in which the red appeared.

Line No.	Hole No.	Depth to Red Mud or Pink SS	Total Depth
III	1	54	56
	2	54?	54
	3	40?	40
	4	56	60
	5	60	60
	6	36	40
	7	36	76
	8	66	70
	9	36	40
	10	82	100
	11	70	80
	12	70	80
	13	72	80
	14	58	60
I	1	96	100
	2	88	100
	3	74	80
	4	76	80
	5	76	80
	6	74	80
	7	58	70
	8	42	46
	9	40?	44
	10	none at 60	60

Core were laid out at the hole site and were in satisfactory condition for logging. A brief log of core hole No. 2(line I) is as follows:

From-To	Description
0-10'	No core
10-11	Buff fine grained Micaceous S.S.
11-12	Grey clay pellet conglomerate
12-30	Buff to grey fine grained Micaceous S.S.
30-38	Grey clay pellet conglomerate
38-44	Light gray to brown fine grained Micaceous S.S. & mudstone
44-45	Grey conglomeratic sandstone with carbonaceous trash
45-52	Interbedded gray & pink fine grained sandstone
52-58	Maroon to brown mudstone with some conglomerate
58-60	Buff to brown fine grained sandstone

Core hole No. 1 (line III)

From-To	Description
0-20'	No core
20-25	Light grey fine grained micaceous sandstone
25-28	Maroon siltstone
28-50	Grey conglomerate mottled maroon & grey mudstone and micaceous sandstone
50-60	Grey fine grained micaceous sandstone with 3½-inch bed coarse arkosic sandstone and clay pellet conglomerate with carbonaceous trash
60-65	Maroon & grey siltstone & fine S.S.
65-70	Grey medium to fine micaceous S.S.
70-90	Grey fine grained micaceous S.S. with interbedded maroon mudstone

No sample either of core or cuttings contained sufficient radioactivity to warrant check sampling by the examiners.

Verbal approval of the operator's request of May 13 was given to drill an additional 18 non-core holes as shown on the accompanying map with the provision that holes in line VII be drilled before line VIII and holes in line VI to be drilled before line V and that the total footage would not exceed that allowable under the contract(amended).

R. U. King
Geologist

J. W. Chester
Mining Engineer

cc: DMEA Op.Com.(4)
King,USGS,Denver(2)
Chester,USBM,Joplin
4312 file

(COPY)id

PAUL WHELAN
Consulting Geophysicist
Box 3074
Lubbock, Texas

May 14, 1958

To: DMEA Field Team

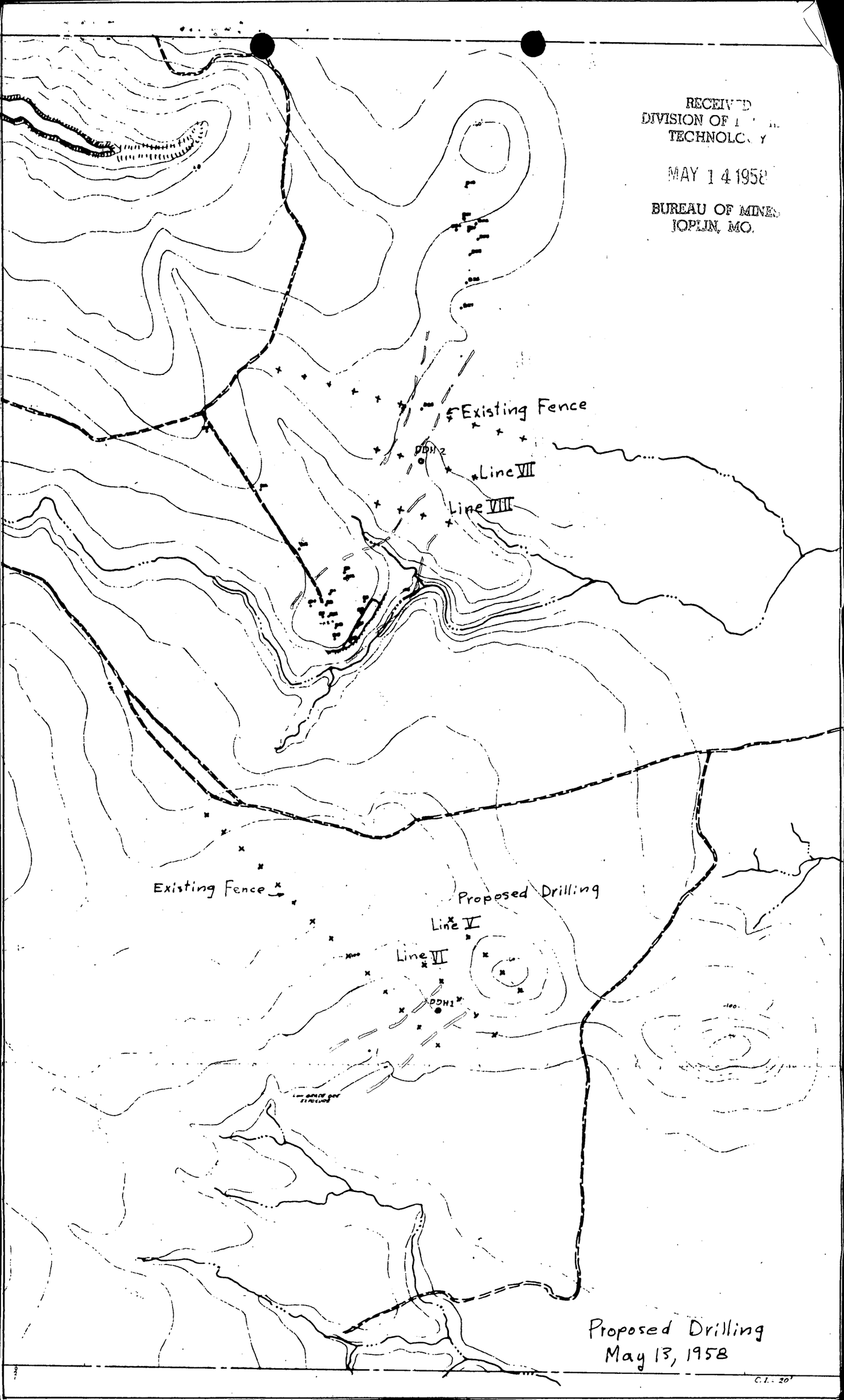
Enclosed is a map showed proposed drill sites based on evidence which rules out part of the original target area.

Outlined in pencil are the suspected trends of mineralization based on trenching and drill hole information.

submitted for Briscoe County Uranium Co.

by: Paul Whelan

RECEIVED
DIVISION OF
TECHNOLOGY
MAY 14 1958
BUREAU OF MINES
JOPLIN, MO.



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DMEA
RECEIVED MAY 19 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
May 6, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 9 1958

DATE	INITIALS	CODE
5/9	C	220
		700

AIRMAIL

Mr. Paul Whelan
Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-51142

Dear Mr. Whelan:

This constitutes approval of the Government as of your phone call on April 23, 1958, for core drilling two of the holes described in my letter to Mr. Garner on April 3, 1958, at changed locations as indicated by the sketch attached to your undated letter received here May 1, 1958.

On the basis of the results you related during the phone call to me when non-core drilling had been concluded on the other 22 approved holes, I deemed it logical to agree to your request that the final two holes should be core drilled near the only two you reported with significant-appearing radioactivity, at locations as follows:

Hole No. 14 about 105 feet N40°E of hole No. 2 on Line III
Hole No. 10 about 210 feet S5°W of old hole No. B-28 on Line I

Your letter indicated that since also completing those two holes, the project work has been recessed; and that their results also were virtually negative.

Robert King and J. W. Chester are scheduled on May 12 to make the Field Team inspection of your project and examine all the cores and cutting samples which you are to have properly labeled and stored. The results to date and your intentions regarding termination of the Contract also should be discussed fully with them at that time. If Mr. Lloyd Stack, Consulting Geologist, has not already been there to study the results of the work, you may wish to arrange for him to meet there with you and the Field examiners on May 12 and 13.

King plans to come through Joplin on May 10 to meet with me when he will be enroute from St. Louis to your project. J. W. Chester plans to travel with him from here. Please advise this office as soon as possible if for any reason the scheduled date would be inconvenient for this inspection of the project, cores and cuttings.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Con.(2) w/cy Mr. Whelan ltr.
King,USGS,Denver w/cy Mr. Whelan ltr.
Chester,USBM,Joplin
4312 file

(COPY)id

OFFICE
Received DMEA
May 1, 1958
RECEIVED MAY 6
DATE

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

C. C. Knox

Dear Mr. Knox,

Enclosed is sketch showing core locations for approval.

Core Hole adjacent to Line III was moved to locate on a bench since the natural slope is quite steep in this area (revision necessary in contours of contract map).

We drilled the last non-core hole in line I and III with no show other than a trace.

Yours truly,

/s/ Paul Whelan

encl: sketch maps

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
April 24, 1958

RECEIVED APR 28 1958

Memorandum

To: Robert U. King, USGS, Denver, Colo.

From: Executive Officer, DMEA Field Team, Region IV

Subject: Telephone call from Mr. Paul Whelan, Lubbock, Tex.
10:30 a.m., April 23, 1958
Re: Progress on Project Idm-E1142
Briscoe County Uranium Co. - DMEA-4312

Mr. Whelan explained that 13 of the holes on line III, and nine of the holes on line I have been non-core drilled as approved in my April 3 letter, and in accordance with Work Items 3 and 4, Exhibit A of the Contract. He assured that the required amount of red mudstone or pink sandstone underlying the Dockum bed had been penetrated.

He said that the only significant radiometric indication was in the second hole from the southeast end of line III where the radiometric log indicated 6 to 8 feet of 0.25 eU.

Furthermore, he explained that the driller had become equipped and was ready this morning to start core drilling of one hole on each line which the Operator requested a change in my April 3 approval letter to permit drilling at sites as follows:

1) About 100 feet northeast of the above-mentioned indicative hole on line III.

2) About 100 feet north(or south?) of old hole B-28 which reportedly was the only significant indication on line I.

I was certain that you agree that his request seems logical, so I gave telephonic approval with the proviso that he immediately send me his request in writing with a sketch of the drilling completed and proposed site of the hole remaining to be core drilled on each line so that I properly could confirm the approval in writing.

In response to his further proposals for future drilling beyond these two core drill holes for which I have approved site changes, he agreed with my suggestion that our approval should await study of the actual lithologic and radiometric logs and the assays. I explained that you tentatively plan to come through here about May 10 enroute to Denver and that arrangements may be possible for you and Chester again to inspect the project the week of May 12. That now appears would be the most logical time for any approval for further project work there if actually proven justifiable.

Furnished herewith for your further information is a copy of a letter received this week from the Guarantor under this Contract and my reply both of which I believe you will find self-explanatory.

Copies of this memo, the letter from the bonding company or Guarantor, and my reply also are being furnished the Washington Office of DMEA for its information and to serve as our request for any legal clarification that the Washington Office might see is needed.

Knox

CCK/id

Clinton C. Knox

encl. 2

cc: DMEA Op.Com.(2) w/cys encl.
4312 file

(COPY)id

DMEA Op.Com.(2)
King,USGS,Denver

THE AMERICAN INSURANCE GROUP

Dallas Branch Office
1315 Pacific Avenue
Dallas 2, Texas

April 16, 1958

28

Department of Interior
Defense Mineral Exploration & Administration
Box 431
Joplin, Missouri

In re: Bond S-467 0817 - Brisco County Uranium Company
Plainview, Texas

Gentlemen:

Effective September 22, 1957, the American Automobile Insurance Company executed bond on behalf of the above named in the amount of $8,337.00. This bond was in connection with Contract Idm-E, Docket No. DMEA-4312.

We have now been advised that all of the conditions in connection with which our bond was required have been complied with. As a result, we assume that our liability has terminated. Will you please confirm this information to us.

Yours very truly

/s/ D. J. Cronkhite
/t/ D. J. Cronkhite
Bond Manager

BJC:k

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
April 24, 1958

Mr. D. J. Cronkhite, Bond Manager
The American Insurance Group
1315 Pacific Avenue
Dallas 2, Texas

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesanke Mine
Briscoe County, Texas
Project Contract Idm-E1142
Bond S-467 0817

Dear Mr. Cronkhite:

This is to acknowledge your letter of April 16 concerning the liability of your company under the above cited Performance Bond.

I do not have a copy of the subject Bond in the files of this Field Team Office, but have made and sent copies of your letter along with copies of this to the Washington Office of D.M.E.A. which I am certain will take up the matter with you in case my understanding of the matter as given below should be erroneous.

I regret to inform you that as I understand the liability under the Performance Bond executed by your company in connection with the cited contract, the advice you mentioned as having received is incorrect. The terms and conditions of the subject D.M.E.A. exploration project contract in connection with which the Performance Bond was required, have not been complied with and therefore, I am certain that your liability thereunder has not terminated.

Due to inclement weather and other conditions, upon formal request of the Operator under this project contract the date for completion of the work stipulated in the Contract was changed to June 1, 1958 by an amendment which was granted. Only a small portion of the exploration work authorized under the project contract has been completed to date. If the Government certifies within 6 months

after the Operator's Final Report and accounting has been rendered that an ore discovery has been made by the completed exploration work from which production may be made, I believe that the Performance Bond furnished by your company is to assure the Government's percentage royalty from all production up to 11 years from date of the Contract, or until the Government's financial participation in the project work(not in excess of $8,337) has been repaid, whichever occurs first. I believe that the Performance Bond of your company was accepted as a Guaranty to the Government in lieu of the ordinarily required Landowner's Consent to Lien and Mortgagor's Subordination Agreement. Furthermore, I believe, that in case the Government issues a certification, as mentioned above, the project Operator should keep the Bond of your company in effect for a period up to 11 years.

Please do not hesitate to write if you have any further questions that can be referred through me to the Washington Office of D.M.E.A. which has the Performance Bond of your company on file, or write directly to Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C., for authoriative information available only from legal counsel there.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
April 3, 1958

DMEA
RECEIVED APR 7 1958
DATE

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-31142

Dear Mr. Garner:

This will confirm the approval of the Government given by Robert U. King and J. W. Chester at your project on March 26 for drilling 14 holes at locations on line No. III, and 10 holes at locations on line No. I as described in Work Items 3 and 4 in "Exhibit A" of the Contract. Drilling should begin from the southeasternmost end of each line.

The Field examiners did not consider that the rim stripping exposed sufficient uranium mineralization to warrant drilling under "Work Item 2". Therefore, the alternate work to the extent above approved, and as described in Work Items 3 and 4, shall be performed next under this Contract.

As required under Article 4(c) of your Contract, please consult with and inform this office on all phases of the work henceforth as it progresses.

This also will acknowledge receiving from you the executed Amendment No. 2 in the original and three copies fixing the date for completion of the work as June 1, 1958.

Please be advised that as recommended by the Field examiners upon return from your project, last week, I have approved your January Report and cost claim in the amount of $1,152.28 and forwarded it to the Regional Finance Officer, U. S. Bureau of Mines, 206 Federal Building, Bartlesville, Oklahoma for certification for the Government's 75 percent participation payment to your company.

Sincerely yours,

CCK/ld

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2)
King, USGS, Denver
Chester, USBM, Joplin
Mr. Paul Whelan, Lubbock, Tex.
4312 file

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DMEA
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4/8 [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
April 3, 1958

Mrs. Cora A. Bailey, Fiscal Officer
U. S. Bureau of Mines, Region IV
206 Federal Building
Bartlesville, Oklahoma

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mrs. Bailey:

Transmitted herewith is the December-January MF-104 Report and cost documentation, the first received under the cited Contract, approved by me in the claimed amount of $1,152.88 to be certified for the Government's 75 percent participation payment.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

ORIGINAL FILE COPY
DMEA
RECEIVED APR 7 1958
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4/7 | C | 120
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
April 2, 1958

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

Transmitted herewith are three copies of the joint Interim Report on the March 26 Field Team inspection made at this project by Chester and King.

Also enclosed for your files are the original and one copy of Amendment No. 2 on the subject Contract executed last week by this Operator. The proper copy with a copy of this letter is being furnished the Finance Office, the Operator kept its copy, and we retained the Field Team copy. An unsigned copy of the Amendment with a copy of this letter was furnished King, USGS, Member of this Field Team.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encls. 5

cc: DMEA Op.Com.(2)
King,USGS,Denver w/cy encls.
Finance Officer,USBM,Bartlesville w/cy encl.
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

March 28, 1958
P. O. Box 431
Joplin, Missouri

Memorandum

To: Executive Officer DMEA Field Team Region IV c.c.r.

From: J. W. Chester and R. U. King

Subject: DMEA Docket 4312 (Uranium), Briscoe County Uranium Company (Rattlesnake Mine), Briscoe County, Texas. Joint Interim Geologic and Engineering Report.

The subject contract project was visited by J. W. Chester, U.S.B.M., and R. U. King, U.S.G.S., on March 26, 1958 in company with Paul Whelan, geologist, and Mr. Clyde Saul.

Results of Stage I exploration under the contract, which has amounted to about one quarter of the allotted total, indicate that although uranium mineralization of significant grade occurs widespread over the property, the deposits are limited to thin discontinuous beds less than 6 inches thick.

Although exploration to date has indicated the presence of significant uranium mineralization, it is concluded that it is not sufficient to warrant drilling in the pattern outlined under work item 2 of the contract. The examiners recommend approval be given for drilling a part of the alternative pattern outlined in work items 3 and 4. The work approved should consist of line 3 holes, to begin with the southeasternmost hole in that line, and line 1 holes.

Twenty pits and trenches, ranging in depth from one foot to 8.5 feet deep have been excavated within the contract designated areas. Eighty-three hours were claimed for this work, which appears to be a reasonable charge.

The examiners feel that little benefit would likely be derived from further rim stripping under item 1 of the contract. In no case have the trenches and cuts shown the grade or thickness of the original rim exposures to be improving with depth or distance back from the rims.

In Area A (see map accompanying January 1958 monthly report) the operator has excavated 4 trenches at the head of a southeastward-trending canyon. The maximum grade of uranium mineralization was 0.05% U_3O_8. The 8.5-foot deep eastward-trending trench excavated behind a radioactive rim exposure failed to intersect the uranium-bearing bed, probably because the deepest part of the trench is west of a possible channel trend that is exposed along the wall of the canyon.

Chemical analyses of samples collected by the operator of the radioactive beds indicate that the uranium content ranges from ¼ to ½ of the estimated grade made from radiometric measurements.

In Area B, the northward-trending trench exposed 3 separate thin trashy carbonaceous radioactive beds, the uranium content of which ranged from .04 to 0.11% U_3O_8. The maximum thickness of the uranium-bearing beds was 5 inches. On company account, the operator has drilled around the northerly end of the trench with 2 fences of holes. One fence of holes drilled 25 to 50 feet from the northern end of the trench encountered beds of comparable grade and thickness. The second fence of holes are reported to have been barren.

Progress on this project has been slow, part of which was due to bad weather. In spite of such intermittent bad weather, it appears to the examiners that the overall project could have been pushed with a great deal more diligence and interest. During a conference subsequent to the inspection, the operator's geologist was urged to attempt to improve the quality of his reports by including more factual data, information such as lithology, correlation of data, and tabular summaries of assay data.

Pits excavated in the southwestern part of the project area seem to bear out the original postulated northerly trend of the most favorable zones. For this reason, the examiners gave verbal approval to the operator's request to commence drilling as included with his February monthly report, and as modified in an oral request made during a conference subsequent to the inspection. He was advised that Field Team confirmation of this approval in writing would follow.

Approval of drilling under work items 3 and 4 is to consist of holes in lines III and I, with the provision that drilling would begin with the southernmost hole in line III.

JWC/jd

J. W. Chester

R. U. King

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
March 24, 1950

DMEA
RECEIVED MAR 26 1950

3/27	C	220
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3/27	[illegible]	100

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

As requested in your March 1 letter furnished herewith are the original and four copies of proposed Amendment No. 2 to the cited Contract signed by me.

If this Amendment meets with the approval of your company, please have all five copies signed, retain the "Operator's Copy" for your file and return the original and other three copies to me for the usual distribution; otherwise, return all copies with a statement of your objections for DMEA consideration.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 5

cc: DMEA Op.Com.(2)
King, USGS Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
March 21, 1958

Mr. Dick Garner, Executive Partner
Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Driscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

This is to acknowledge receipt of your February project progress report from Mr. Paul Whelan and his subsequent letter just received with the five copies of the chemical analyses on the 12 samples taken during February.

Please be advised that your March 1 request for another extension of the Contract expiration date was submitted at that time for consideration in Washington, and I will inform you immediately upon receiving the decision.

This is also to notify you that Robert King, USGS, Denver and J. W. Chester of this Bureau of Mines Office are scheduled to represent the Field Team on an inspection of your project next Wednesday, March 26. They will expect to meet you or your representative at the project about 9:00 a.m. that morning. If for any reason that date should be inconvenient, please advise as soon as possible. A copy of this letter is being sent to Mr. Whelan for his notification as requested in the letter just received. A copy of the assays and of this letter also are being furnished for the information of Robert King, and the Washington Office of DMEA.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2) w/cy assay
King,USGS,Denver "
Mr. Paul Whelan,Lubbock,Tex.
4312 file

2d DMEA Washington
MF 104 Rpt Fed
I & M - E 11 1 2

THE BROWN LABORATORY

2263 Broadway
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Date 3-17-58
Order No. 10568-S

Material: Ore Samples
Received: 3-15-58
For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU_3O_8	Chemical %U_3O_8	%V_2O_5	%$CaCO_3$
10568-1	111			0.13		
10568-2	112			0.09		
10568-3	113			0.06		
10568-4	114			0.05		
10568-5	115			0.03		
10568-6	116			Trace		
10568-7	117			0.01		
10568-8	118			0.01		
10568-9	119			0.03		
10568-10	120			0.05		
10568-11	121			0.01		

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 21 1958

BUREAU OF MINES
JOPLIN, MO.

Analyst

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
March 14, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 17 1958

DATE		CODE
3/17	C	220
4/7		800
4/7		702

Memorandum

To: Robert U. King, USGS, Denver, Colorado

From: Executive Officer, DMEA Field Team, Region ~~IV~~

Subject: Assays, January MF-104, DMEA-4312(uranium), Briscoe County Uranium Co., Project Contract Idm-E1142, Rattlesnake mine, Quitaque, Texas

Enclosed for your information is a copy of assays received March 6 for inclusion with the subject monthly report. I have delayed sending these because on the basis of Mr. Whelan's March 4 letter(copy enclosed) I expected also to be able to send this Operator's February MF-104 Report last week.

With reference to your memo on this subject received March 7, on the assumption that this Operator's February MF-104 Report and the requested DMEA instructions concerning another amendment of the Contract expiration date, tentative plans have been made for Jack Chester to meet you at the Herring Hotel, Amarillo, Texas, on the evening of March 25 to inspect this project the next day. This date, however, I wish to reiterate is merely tentative subject to receiving information from the Operator to justify the trip at that time, which I understand from your memo would be agreeable to Mr. Harshman and you. We will advise you immediately if the date can be set firmly.

CCK/id

Clinton C. Knox

encl.

cc: DMEA Op.Com.(2)
4312 file

(COPY)d

ORIGINAL FILE COPY
DMEA
RECEIVED 17 1958

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

March 4, 1958

Detp. of the Interior
DMEA
P. O. Box 431
Joplin, Mo.

Att; Mr. C. C. Knox
Re: Saul Ranch, Briscoe Co., Texas

Dear Mr. Knox,

Have been waiting for the weather to break ever since I talked to you last week with no day yet dry enuf to get on the ranch, so I've decided to send the assays on now and the other information as well as the Feb. report later this week.

Yours truly

/s/Paul Whelan
Paul Whelan

Encl:5 copies
assays

Attach to DMTA Work. 2d copy Jan. MF104

THE BROWN LABORATORY

2263 Broadway

GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

Briscoe County Uranium Co.
515 Oakland Street
Plainview, Texas

Date 2-26-58

Order No. 10509-S

6 Copies to- Paul Whelan
Lubbock, Texas

Material: Ore Samples

Received: 2-25-58

For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU3O8	Chemical %U3O8	%V2O5	%CaCO3
10509-1	101			0.05		
10509-2	102 & 103			0.03		
10509-3	104			0.07		
10509-4	105			0.09		
10509-5	106			0.11		
10509-6	107			0.08		
10509-7	108			0.04		
10509-8	109			0.06		
10509-9	110			0.07		

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DMEA
RECEIVED MAR 17 1958
DATE

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 6 1958

BUREAU OF MINES
JOPLIN, MO.

Analyst.

OFFICIAL FILE COPY

Date	Surname	Code
3/14/58	Kuppen	700
"	Ellis	700
3-14	Chambers	800
3/14	GCS	130
"	Gman	110
"	Whitendorf	100
3/17	C	220
		700

MAR 14 1958

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

As recommended in your letter of March 4, there are enclosed the original and four copies (with two extra copies) of Amendment No. 2 to the subject contract. The amendment consists of one page.

If you and the Operator find the amendment satisfactory, it is ready for your and the Operator's signature. After the amendment is signed, please make the usual distribution of the document.

No amendment to the Performance Bond is required.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (S/B)

Enclosures

FLKnouse/gla
3-14-58

APPROVED:

Frank D. Lamb (S/B)
Member, Bureau of Mines

N. E. Nelson (S/B)
Member, Geological Survey

cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

8623

EA Form 7
56)

OFFICIAL FILE COPY

Date	Surname	Code
3/11/58	Kappel	700
"	Ellis	700
		140

RECEIVED
MAR 11 1958
ASSOC. SOLICITOR
MINERAL RESOURCES

INTERIOR DEPT.
MAR 11 1958
SOLICITOR

March 11, 1958

Memorandum

To: Associate Solicitor
Division of Mineral Resources

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

Subject: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Please prepare Amendment No.2 to provide the following:

Amendment No. 2

It is agreed this 1st day of March, 1958, between the United States of America, Acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Briscoe County Uranium Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E1142, Docket No. DMEA-4312, dated October 15, 1957, hereinafter called the "Contract," that:

1. The date fixed in Article 3 on or before which work is to be completed, is extended from March 1, 1958, to June 1, 1958.

2. The maximum period for payment of royalty and lien for payment thereof, provided for in the Contract, is increased to eleven years from the date of the Contract.

This amendment shall not be construed to increase the estimated 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".

8623

Executed in quintuplicate on the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Executive Officer,
DMEA Field Team, Region IV

BRISCOE COUNTY URANIUM COMPANY

By_____

Title_____

/s/ Ernest Wm. Ellis

Ernest Wm. Ellis,

3/11/58
FLKnouse/gla
cc to: Mr. Knouse

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

OFFICIAL FILE COPY
REPLY REFER TO:
DMEA
RECEIVED MAR. 10 1958

DATE	INITIALS	CODE
3/10	C	220
3/11	[illegible]	800
3/10	[illegible]	700
	[illegible]	

March 6, 1958

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: R. U. King

Subject: DMEA Docket 4312 (Uranium), Contract Idm-E 1142 (Rattlesnake mine), Briscoe County Uranium Co., Briscoe County, Texas

In reply to your memorandum of the 4th regarding the subject project contract, I concur with your suggestion that the contract expiration date be extended and that a joint interim inspection of the project should be made before considering the advisability of drilling.

Information received to date from the operator is encouraging but so inconclusive that no changes in the conclusions and recommendations in our examination report, nor changes in the contract objectives are contemplated. For these reasons I would recommend extension of the contract expiration date. I feel inclined at this time to go along with the operator in his request for extension also because of the adverse winter weather they have had in that part of Texas. The project inspection probably should be made at an early date following advice from Mr. Garner. Any dates between March 13 and 29 are agreeable with Harshman and myself for DMEA work in Region IV. I could plan to return to Denver via Joplin after this project inspection to discuss with you the future of this project.

R. U. King
R. U. King
Geologist

Copy to: Operating Committee (2)
Harshman

RUKing:mp

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
March 4, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR. 7 1958

DATE	INITIALS	CODE
3-7	C	220
		130
		700

DMEA Operating Committee
Department of the Interior
Room 4457 - Interior Building
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

Forwarded herewith are the original and three copies of a formal request from the subject Operator for a 3-month extension of the time set under Contract Amendment No. 1 for expiration of the Project Contract. One copy of this request is being furnished Robert King, USGS, Denver with a memorandum(copies enclosed herewith) giving my latest information from the subject Operator.

I believe it is to the advantage of the Government to thus further amend this expiration date, but it is hereby referred to you because such an extension of time is expected to require a 1-year extension of the repayment period, and likewise may require amendment of the Performance Bond accordingly(no copy of the Bond is available in Field Team files).

As you were informed through copies of my correspondence with the Operator's representative, the only MF-104 Report(December-January) received to date was considered incomplete for Field Team approval until assays and additional cross sections are furnished therewith. In a telephone call, February 28, from the Operator's representative, I reiterated these requirements and the suggestions received February 24 in a memorandum from King explaining other shortcomings of the Operator's Report. I also suggested that the Operator should check the expiration date of his Contract which resulted in the enclosed letter of request.

Any amendment of this expiration date that you might advise, I believe, should be made effective March 1, 1958.

Please advise at your earliest convenience.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.
King,USGS,Denver w/cy encl.
4312 file

encl. 6

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 3 1958

BUREAU OF MINES
JOPLIN, MO.

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

March 1, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 7 1958

DATE	NOTES	CODE

Department of Interior
P. O. Box 431
Joplin, Missouri

Attention: Mr. C. C. Knox

Re: DMEA-4312 (Uranium)

Gentlemen:

Please consider this a request for an extension of three months time for the termination of subject contract.

We feel that bulldozing done in the month of February has shown sufficient evidence to support a drilling program as outlined in the contract. The summary of work done in February when submitted in a few days hence will contain our request for drilling approval, but as time will be required for your inspection of the property before drilling can be approved there will be some delay involved before we can begin.

The work accomplished (trenching) has been interrupted several times by the unusually severe weather, but we feel the recent samplings indicate promise of future developments which we feel can best be found by drilling.

Yours truly,

Brisco County Uranium Co

Dick Garner

Dick Garner

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
March 4, 1958

DMEA
RECEIVED 7 1958

Memorandum

To: Robert U. King, USGS, Denver

From: Executive Officer, DMEA Field Team, Region IV

Subject: Expiration date - Project Contract Idm-E1142
Briscoe County Uranium Co.
DMEA-4312(uranium)

Furnished herewith for your information is a March 1 letter from the subject Operator requesting extension of the expiration date set in Contract Amendment No. 1, and a copy of my letter to DMEA in that regard. Admittedly, I assumed from our telephone conversation last Tuesday that you did agree that it would be to the advantage of the Government to extend the Contract expiration date.

In a telephone call from Paul Whelan February 28, I explained the suggestions for improving the Operator's December-January MF-104 Report as given in your February 24 memo on the subject.

He stated that the chemical uranium analyses had just been received for the samples taken during January and that only a small amount of additional rim stripping had been done during February due to adverse weather and equipment breakdowns. As reiterated in the letter received March 3 from Mr. Garner, he also mentioned that a request would be forthcoming for some drilling and that he would advise on the most opportune date for an interim Field inspection which we previously discussed for you and Chester.

Please advise on any ideas you might have regarding the best date to inspect the project and on whether you think extension of the Contract expiration date is justifiable.

CCK/id

Clinton C. Knox

encls. 2

cc: DMEA Op.Com(2)
4312 file

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 26 1958
IN REPLY REFER TO:

DATE	INITIALS	CODE
2/27	C	220
2/27		800
2/28		700

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

February 24, 1958

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: R. U. King

Subject: Docket DMEA 4312 (Uranium), Briscoe County Uranium Co. (Rattlesnake mine), Briscoe County, Texas, Idm-E 1142 INTERIM GEOLOGIC REPORT (MF-104, January 1958)

This is in reply to your memorandum of the 17th regarding the subject docket.

The narrative report accompanying the MF-104 and 104A reports for January 1958 seem to cover the work accomplished during the report period. The attached map and section check fairly well with narrative.

It probably would be worthwhile for the operator to tie in new information with existing data, particularly in regard to projecting the different radioactive strata to nearby rim exposures, and under possible future drilling sites. For example, on his detail sketch map of Area B it should be a simple matter to project and correlate his stratum No. 2 with the "approximate outer limit of stratum No. 2".

In general lengths of samples are not stated directly in relation to the Sample No. and estimated uranium content. He might save himself considerable confusion by recording his sample data somewhat as follows: Sample No., Location, length of sample, thickness of formation, Est %, % eU, % U.

It is encouraging to note that ore grade material has already been uncovered, although not yet approaching mineable thicknesses.

RUK

Robert U. King, Geologist

Copy to: Operating Committee (2)
E. N. Harshman

RUKing:mp

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
February 20, 1958

DMEA
RECEIVED FEB 1958

Mr. Paul Whelan
Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Whelan:

This is to acknowledge receiving the letter from you on February 17 and the five copies of the first Operator's Monthly Report under the captioned Project Contract covering the preliminary phases of the project work accomplished from the start on December 20, 1957 through January 31, 1958.

The sixth paragraph of your narrative with the report mentions a sketch "of the longitudinal cross section through the large trench on the north part of Area A" which I did not find with the report. I believe that sketch would be essential to give an adequate third-dimensional picture of the progress of the bulldozer rim-trenching to date and show the positions of the radioactive strata you have indicated and the channel samples taken.

One copy of the report has been sent for review and recommendations of Robert King, Geological Survey, Denver, and one was forwarded to Washington for the advance information of DMEA. We are looking forward to receiving from you copies of the above-mentioned sketch and the sampling results to be included with the rest of the report so that it can be considered for Government approval at the earliest possible date.

Furnished herewith are sets of the MF-104 and MF-104A Forms for use on the last Monthly Report to be prepared by the Operator under the subject DMEA Project Contract.

It will be appreciated if the Operator will consult with and inform us on all phases of the work as it progresses in accordance with Article 4(c) of the Contract. Then I will have a better idea as to when scheduling of a geologic inspection of the project by Robert King for the Field Team would be justifiable.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 12

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 1/2/58

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Division
6. ~~Docket Control Mails and Files~~
7. 700

Note comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
December 31, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 2 1958

DATE	INITIALS	CODE
1/2	CM	100
1/6	FLR	700

Memorandum

To: DMEA Operating Committee, Room 4457, Interior Building, Washington 25, D. C.

From: Clinton C. Knox, DMEA Field Team, Region IV, Joplin, Mo.

Subject: Field Team Interim Report
DMEA-4312(uranium), Project Contract Idm-E1142
Operator: Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas
Project location: Rattlesnake mine, Saul Ranch, 6 miles west of Quitaque, Texas, Section 110, Block B-1, Briscoe County

Upon receiving a telegram from the Operator advising that Mr. Carl Chelf, Consulting Mining Geologist of Austin, Texas, had been engaged to arrive at the project site to start the work on December 16, J. W. Chester, USBM, Joplin, and I arrived there the morning of December 17 to represent the Field Team on reaching agreement on "The location, direction, inclination, and extent of all work...." which are subject to approval of the Government under this Contract.

At the last moment, Mr. Chelf sent word that due to prior work committments he could not be present so the Operator engaged Mr. Loyd D. Stack, Consulting Mining Geologist of Albuquerque, who also arrived at the project on the morning of December 17. The Field Team representatives spent that day on the project site with him and Mr. Paul Whelan, Project Engineer, and Mr. Doyle Saul, part-owner of the Saul Ranch on which the project site is located, and a partner in the Briscoe County Uranium Company.

Mutual agreement was reached on the preliminary bulldozer rim stripping scheduled for the balance of December on some of the radiometrically indicated most favorable segments of the prospective uranium-bearing strata. Messrs. Whelan and Stack appeared qualified as the project supervisor--engineer-geologist, and as the technical consultant, respectively.

The Field Team representatives and Mr. Whelan spent the evening of December 17 in Plainview, Texas, in the offices of Mr. John T. Boyd, the Operator's attorney, reviewing the Contract and discussing preparation of the Operator's Monthly Reports required thereunder. The Field Team is to be consulted and informed on all phases and results of the agreed preliminary rim stripping so that a geological inspection of the project can be scheduled at the most logical moment to determine whether the rim stripping should be extended, or the plans changed from those indicated on the map attached to the contract.

The Saul Brothers, owners of the ranch and the project site, recently had traded for a D-7 Caterpillar bulldozer, transported it to the project, and bulldozed the roads to some of the rim prospects so that they were easily accessible by jeep for our December 17 examinations. In recent months a local rotary driller, on an experimental basis, had been permitted to drill several holes reportedly ranging from 12 to 30 feet in depth imby the "low grade exposure" indicated on the Contract map in the south part of the project area. No hole data had been recorded but radiometric logging of three by Mr. Whelan in our presence on December 17 indicated significant zones of radioactivity. I considered that this unrecorded drilling experiment in

no way nullified the justification for some preliminary exploratory bulldozer trenching and channel sampling along that exposure.

Mr. Boyd, however, expressed the opinion that there yet might be a few days delay in actual start of the project work until the Operator determined if and what liability insurance would be needed for protection of the partnership company. He also mentioned that he had urged the partners to form a corporation and discussed with me any changes that might be required in the DMEA Project Contract. It was the stated intention of Messrs. Whelan and Boyd, however, that at least some project work was to be completed during the last week of December and a Monthly Report and MF-104 Voucher submitted thereon for a "trial-run".

According to reports by Mr. Whelan which were of passing interest, uranium prospecting with one trial ore shipment to Grants, New Mexico, has been done recently on strata as at the Rattlesnake (Saul Ranch) Prospect, to the northeast of Silverton, and about 90 miles south, near Post, Texas.

No word has been received from this Operator, however, since our December 17 visit.

Clinton C. Knox
Clinton C. Knox
Executive Officer

cc: DMEA Op.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri

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DMEA
RECEIVED DEC 16 1957
DATE | CODE
12/16 | C | 220
12/17 | EEP | 800
11 | ~~PLK~~ | 700

AIRMAIL

December 12, 1957

Mr. Paul Whelan,
Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Whelan:

This is to acknowledge receiving your telegram advising that Mr. Carl Chelf, Consulting Geologist of Austin, will arrive at the Saul Ranch next Monday afternoon, December 16, to have technical supervision of the project work planned to start then under the above cited Contract.

Because "Exhibit A" of the Contract stipulates, among other things, that "The location, direction, inclination, and extent of all work are subject to the approval of the Government", I believe it advisable for Mr. Chelf and the Field Team to reach agreement on the first of the rim stripping to be done under Item 1, "Description of the Work, Exhibit A". Therefore, tentative plans are being made for me or a representative of the Field Team to meet with you and Mr. Chelf at the start of the work. With a tentatively scheduled arrival in Amarillo via Braniff Airline at 7 P.M. Monday evening and driving early the next morning, the project should be reached about 9 A.M., December 17, where a day or two can be spent with you and Mr. Chelf. Should adverse weather or other conditions upset that schedule, I will wire or phone you.

I have just discussed this matter in a telephone call to Mr. Robert U. King, the Survey Member of this Field Team in Denver, who advised that he could make a geologic inspection of your project at a later more opportune date, after the first part of the rim stripping, radiometric surveying, and channel sampling has progressed.

Please advise me should delays develop in the arrival of Mr. Chelf or the start of the project work.

A supply of Forms MF-104 and MF-104A will be brought for preparation of your first Monthly Progress Report and Voucher for the Government participation payment, and their use will be fully explained to you and Mr. Chelf.

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin
Mr. J. T. Boyd, Plainview,Tex.
Mr. Carl Chelf, Austin,Tex.
4312 file

December 13, 1957

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault
Division of Rare and Miscellaneous Metals

Subject: Docket No. DMRA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Mr. Knouse has reviewed and approved Amendment No. 1, dated October 23, 1957, to Contract Idm-E1142, the subject project. He indicates that no further review is required by the Legal Division.

/s/ Grace L. Ault

Grace L. Ault

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
December 9, 1957

ORIGINAL FILE COPY
DMEA
RECEIVED DEC 12 1957

DATE	INITIALS	CODE
12/12	C	220
"		130
"	LK	700

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

Forwarded herewith are the executed original and one copy of Amendment No. 1 to the subject contract received from the Operator today.

The Finance Officer's copy is being forwarded with a copy of this letter; the Operator retained its copy, and the Field Team copy is attached to its copy of the contract.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 2

cc: DMEA Op.Com.
Finance Officer,USBM,Bartlesville w/encl.
King,USGS,Denver w/cy J.T.Boyd's 12/7 ltr.
4312 file

C
O
P
Y

Law Offices of
MOREHEAD, SHARP & BOYD
621 Baltimore
Plainview, Texas

December 7, 1957

Mr. Clinton C. Knox
Defense Minerals Exploration Administration
Box 431
Joplin, Missouri

Dear Mr. Knox:

Enclosed you will find the original and three copies of the amendment No. 1 to the contract of the Briscoe County Uranium Company, I am not sure of the exact starting date on this project. Mr. Paul Whelan is to let me know as soon as Carl Chelf advises him and I will immediately contact you.

If anything further is needed, please let me know.

With best personal wishes,

Yours very truly,

/s/John T. Boyd by JS
/t/John T. Boyd

JTB:js

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
November 22, 1957

Op. Com.
OFFICIAL FILE COPY
DMEA
RECEIVED NOV 25 1957

DATE	INITIALS	CODE
11/25	C	220
11/26	[illegible]	800
11	[illegible]	700

Mr. Dick Garner
Executive Partner
Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Mr. Garner:

Enclosed is your file copy of the cited Project Contract which was executed as of October 15, 1957.

The copy of the Performance Bond which was received November 7 with the letter from Mr. John T. Boyd, has been attached to the "Finance Office Copy" of the Contract and is being mailed to the Finance Officer, U. S. Bureau of Mines, Bartlesville, Oklahoma, with a copy of this letter.

In response to your request through Mr. Boyd, your legal representative, also enclosed are the original and four copies of proposed Amendment No. 1 to the Contract signed by me to extend the starting and completion dates of the project work by two months. If this Amendment meets with approval of your company, please sign all five copies, retain the "Operator's Copy" for your file and return the original and other three copies to me for the indicated distribution; otherwise return all copies with a statement of your objections for our consideration.

Please advise this office when the project work is started. If you can let me know in advance, I may be able to arrange for a member of the Field Team to be there when the work is begun to confer with Mr. Carl Chelf, who I understand you have retained as the consulting engineer and geologist for the technical supervision of the project work. The Field Team Member then could outline the preparation of your first Monthly Report and Voucher.

A supply of the Forms MF-104 and MF-104A also are enclosed herewith, on the back of each of which you will find the instructions for their preparation believed, however, to be fully self-explanatory.

Please do not hesitate to write if there are any further explanations needed on the Contract stipulations.

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 8

cc: DMEA Op.Com.(2)
Finance Officer, USBM,Bartlesville, w/cy Contract
King,USGS,Denver
4312 file
Shadow cy - Mr. J.T.Boyd,Plainview,Tex.

Partners' addresses

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
November 7, 1957

DATE	INITIALS	COST
11/12	C	220
11/12	~~[illegible]~~	700

DMEA Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Room 4457 - Interior Building
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-E1142

Dear Sirs:

see copy attached to Boyd's letter 11/5/57

A letter received today(copy enclosed) with a copy of the Performance Bond and Powers of Attorney, mentions that the originals of those documents were sent to you.

I note that the address of each of the partners, party to the Bond, has not been inserted. The latest addresses I have for those four partners are as follows:

Dick Garner, 515 Oakland Street, Plainview, Texas
Vernon Bradley, 2612 Axtell Street, Clovis, New Mexico
Doyle Saul, Saul Ranch, Silverton, Texas
A. V. Wilson, General Delivery, Silverton, Texas

As previously requested by the Operator's representative, Amendment No. 1 has been prepared(memorandum copy attached hereto) extending the starting and completion dates for project work, each, by two months.

Unless advised by you to the contrary, I will deliver the Operator's and Finance Officer's copies of the Contract November 18, and offer Amendment No. 1 for execution by the Operator.

The Performance Bond, however, does not appear to be executed exactly in accordance with the instructions forwarded October 18 through me to the Operator.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 2

cc: DMEA Op.Com.
King,USGS,Denverw/cy ltr enc.
Mr. J. T. Boyd,Plainview,Tex
4312 file

Memo advanced copy
DMEA Operating Committee

EXPLORATION PROJECT CONTRACT IDM-E1142
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312(URANIUM)

AMENDMENT NO. 1

It is agreed the 23rd day of October, 1957 between The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and the Briscoe County Uranium Company, that Exploration Project Contract Idm-E1142 (Docket No. DMEA-4312) is hereby amended as follows:

In the second sentence of Article 3 the date November 1, 1957, is changed to January 1, 1958, and the next date in that sentence, January 1, 1958, is changed to March 1, 1958.

This amendment shall be effective as of October 15, 1957.

This amendment shall not be construed to increase the estimated total cost of the project or the aggregate amount which the Government may be required to contribute.

Executed in quintuplicate on the 18th day of November, 1957.

BRISCOE COUNTY URANIUM COMPANY

By _____
Dick Garner
Title: Partner with Power of Attorney

THE UNITED STATES OF AMERICA

By _____
Executive Officer
DMEA Field Team, Region IV

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

November 5, 1957

RECEIVED NOV 8 1957

DATE	NAME	CODE
11/8	C	220
11/12	~~[illegible]~~	900

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Attention: Frank E. Johnson

Re: Docket No. DMEA-4312 (uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Sir:

Enclosed you will find the corrected performance bond in connection with the above matter together with original powers of attorney authorizing Dick Garner to sign for A. V. Wilson and Vernon Bradley.

We also enclose herewith a copy of our letter of even date to Mr. Clinton Knox. If anything further is needed, please advise us.

Yours very truly,

John T. Boyd

JTB:js

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

November 5, 1957

Mr. Clinton C. Knox
Defense Minerals Exploration Administration
Box 431
Joplin, Missouri

Re: ~~DMEA~~-4312(uranium)
Contract No. Adm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed you will find a copy of the performance bond in connection with the above matter which has been duly corrected. We also enclose herewith photographic copies of powers of attorney in favor of Dick Gunner from Vernon Bradley and from A. V. Wilson.

I am sending the original performance bond and the original powers of attorney direct to Washington.

Of course, it will be impossible for the Briscoe County Uranium Company to begin operations by November 1 and to complete same by January 1 and we are asking for a reasonable extension of these times.

Paul Whelan informs me that they have retained Mr. Carl Chelf as consulting engineer on this matter. If anything further is needed, please advise us.

Yours very truly,

John T. Boyd

JTB:js

A Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/29	Knouse	700
10/29	Ellis	700
		~~110~~
		~~[illegible]~~
10/30	gb	220
		700

OCT 30 1957

Mr. John T. Boyd, Attorney
Morehead, Sharp and Boyd
621 Baltimore
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-21142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Boyd:

As requested in your telephone conversation of October 23, 1957, with Mr. Clinton Knox, DMEA Executive Officer, Region IV, Joplin, Missouri, there is enclosed the original Performance Bond for the subject company in the amount of $8,337.00 (with attached Power of Attorney) executed by the American Automobile Insurance Company, 1315 Pacific Avenue, Dallas, Texas.

When the new Performance Bond is executed, please send the original to this office and a copy to Mr. Knox, at Joplin, Missouri.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

FLKnoux/izm 10-29-57
cc: Mr. Knouse
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. IV (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
October 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 28 1957

DATE	INITIALS	CODE
10/28	C	220
11	E.K	700

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas

Dear Sirs:

As you will note from the attached copy of my letter to Mr. John T. Boyd, he requested in a recent telephone call to me that the previously executed Performance Bond you have attached to the "Government Copy" of the subject Contract should be returned to him as soon as possible, because the surety company will want it before executing the new Form 25 which I forwarded to the Briscoe County Uranium Co. on October 18.

Mr. Boyd will appreciate receiving it at your earliest convenience.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.
4312 file

OFFICIAL FILE COPY
DMEA
RECEIPT OCT 28 1957
DATE | INITIALS | CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
October 25, 1957

Mr. John T. Boyd, Attorney
Morehead, Sharp and Boyd
621 Baltimore
Plainview, Texas

Re: DMEA-4312(uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Boyd:

In response to your October 23 telephone call, returned herewith is the executed carbon copy of the Performance Bond which was attached to the Finance Office copy of the subject Contract being held in this office, and I requested the Washington Office of DMEA to return the original of that Bond which was attached to the Government Copy of the Contract, which you mentioned that the bonding company would want before executing a new bond form.

As we discussed, Jack N. Dixon should not be included with the names of the principle partners because his name has been stricken from the Contract. The Contract number which should be typed in the proper space on the bond form is Idm-E1142, Docket No. DMEA-4312; date of the Contract is October 15, 1957.

In accordance with instructions 3 and 4 on the back side of the bond form, the names of each of the existing four partners, and their business or residence addresses should be inserted in the "Individual Principle" space, with the recital that they are partners composing the Briscoe County Uranium Co., and all shall sign individually or through their designated Attorney-in-Fact. In the event that the later form of execution must be used, documents much like that attached to the previously executed Performance Bond by the surety company should also be attached showing the formal designation of Power of Attorney by each of the partners for which the new Bond form is executed by an Attorney-in-Fact.

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.(2)
King,USGS,Denver
Mr. Garner,Briscoe County U.Co.
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
October 18, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 22 1957

DATE		CODE
10/22	C	220
10/22	[illegible]	800
"	FLK	700

Briscoe County Uranium Co.
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesanke Mine
Briscoe County, Texas

Dear Sirs:

After the phone call from Mr. Dick Garner October 15, I immediately called the Washington Office and learned that copies of the executed Contract were being returned to me by mail with a letter of further instructions. This is to confirm my telephone conversation with your legal representative, Mr. John T. Boyd, this morning upon receiving that mail, advising that the Performance Bond submitted by you with his September 21 letter was not found to be completed in accordance with the instructions(Item 3) on the back of the Standard Form 25. Therefore, three new copies of Standard Form 25, Performance Bond, were received and are enclosed herewith to be executed as before except that in addition, the full names and business or residence addresses of each individual partner are to be typed in the proper space on the face of the Bond, and each partner should affix his usual signature in space provided there.

Upon furnishing me the Performance Bond thus executed in the original and two copies, I am empowered then to deliver a copy of the DMEA Contract to you(with one copy of the Bond attached) covering the project work to be accomplished.

Since Jack N. Dixon was not a Partner in your company when it executed the Contract, his name has been stricken therefrom.

The Contract sets November 1 as the deadline date for starting the project work, and January 1, 1958 as the date for completion. In regard to the concern about these dates expressed in the October 1 letter from Mr. Boyd, if it becomes necessary, with a request initiated by you, I am empowered to offer an amendment for your endorsement to extend those Contract dates.

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 3

cc: DMEA Op.Com.(2)
King,USGS,DEnver
4312 file
Shadow-Mr. J.T.Boyd,Plainview,Tex.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/16	Kuguse	700
"	Ellis	700
10/16	[illegible]	130
	Johnson	110
"	Rattenbury	100
10/17	B	220
		700

OCT 16 1957

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Contract No. Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed are the two extra copies of Annex I, Exhibit "A," and map (Figure 2) to the subject contract, which were overlooked when the contract was sent to your office.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCB)

Enclosures

FLKnouse/gla
10-16-57
cc to: Admr.'s Reading File
Operating Committee
Mr. Knouse

APPROVED:

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

Thor H. Kiilsgaard (GCB)
Member, Geological Survey

8623

MEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/14	Kenyon	700
10/14	Ellis	700
10/14	[illegible]	130
	Johnson	110
	"Butterworth	100
		220
		700

OCT 15 1957

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed are the Field Team's, Finance Office's, and Operator's copies of the contract returned with your letter of October 4, 1957, which have been dated, numbered, and signed by the Administrator.

Since the Performance Bond submitted with the signed contract was not completed (see instructions, Item 3, on back of Standard Form 25), the Operator should be instructed to furnish the required number of copies of the completed bond before its copy of the contract is delivered. For this purpose, there are enclosed three copies of Standard Form 25 Performance Bond.

The Operator should be advised that since Jack H. Dixon was not a partner in the subject partnership when the contract was signed, his name has been stricken from the contract.

You inquired if it is within your delegated authority to extend the completion date of the project work. Yes, it is within your authority to extend the completion date up to a period of two years. We have made it a practice to also extend the royalty repayment provision of the contract one year when the project completion date is extended three months to one year (see Memorandum No. 32, dated August 24, 1956, from the Operating Committee to Field Teams).

FLKnouse/gla
(10/9/57) 10-14-57
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, Rm. 5224

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures FLKnouse

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

W. P. Williams
Member, Geological Survey

8623

Selfridge:

It seems top heavy with technical aid.

Jay

*SEE Memorandum No. 32 dated August 24, 1956 From Operating Committee To Field Teams.

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. ~~Asso. Solicitor, Rm. 6042~~		10/9
2. ~~JAY L. CHAMBERS~~ 4449		10/10
3.		
4. DMEA 4312		
5.		

INTERIOR DEPT.
OCT 9 - 1957
SOLICITOR

FROM: F. L. Knouse

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

This was discussed with Mr. Rubin.
Please surname, and forward as routed.

DMEA Form 7
(12-56)

RECEIVED

OCT 10 1957

ASSOC. SOLICITOR
MINERAL RESOURCES

OFFICIAL FILE COPY

Date	Surname	Code
10/9	Knouse	700
	Long	140
	Bunger	140
		800
		130
		110
		100
		220
		700

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed are the Field Team's, Finance Office's, and Operator's copies of the contract returned with your letter of October 4, 1957, which have been dated, numbered, and signed by the Administrator.

Since the Performance Bond submitted with the signed contract was not completed (see instructions, Item 3, on back of Standard Form 25), the Operator should be instructed to furnish the required number of copies of the completed bond before its copy of the contract is delivered. For this purpose, there are enclosed three copies of Standard Form 25 Performance Bond.

The Operator should be advised that since Jack H. Dixon was not a partner in the subject partnership when the contract was signed, his name has been stricken from the contract.

You inquired if it is within your delegated authority to extend the completion date of the project work. Yes, it is within your authority to extend the completion date up to a period of two years. We have made it a practice to also extend the royalty repayment provision of the contract one year when the project completion date is extended ~~six~~ TWO months to one year. *

FLKnouse/gla 10-9-57
cc to: Admr.'s Reading File
Operating Committee
THKillsgaard, 5224
Mr. Knouse

Sincerely yours,

Enclosures

Chairman, Operating Committee

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
October 4, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957

DATE	INITIALS	CODE
10/7	C	220
"	Knowe	700

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas

Dear Sirs:

Returned herewith for dating, numbering and signing by the Administrator are the executed original and four copies of the proposed contract as received from the subject Applicant today, in accordance with your August 19 letter and September 30 telegram. The original of a performance bond and a copy of a subsequent assignment are attached to the Government's copy; a copy of the performance bond is attached to the Finance Office copy. As you instructed, the insertion was typed in Article 2(c) and the starting date designated by the Applicant in Article 3.

It seemed unusual that the bonding company, for its own protection, did not require the signatures of the partners for the performance bond. I assume, however, that would not have added to the Government's security. Despite my suggestion during a telephone call to the Applicant's attorney, all the parties did not sign the contract, nor was a legal instrument attached thereto showing definitely that the executive partner had Power of Attorney for all. I also assume that this failure will not make the contract less binding from the Government's viewpoint.

Please advise at the earliest possible moment if the contract and performance bond in their present form are deemed unacceptable to DMEA. I will be pleased to do whatever I can towards getting this contract into effect.

Please note in the attached correspondence from the Applicant's representative that they are apprehensive about the January 1 expiration date of this contract. I believe it lies within my designated authority to amend this contract, should it become effective, to extend that date a reasonable length of time necessary and justified to attain the project objectives.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.
King,USGS,DEnver
4312 file

Encl. 9

Law Offices of
MOREHEAD, SHARP & BOYD
621 Baltimore
Plainview, Texas

September 21, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957
DATE | INITIALS | CODE

United States Department of Interior
Defense Minerals Exploration Administration
P. O. Box 431
Joplin, Missouri

Attention: Mr. Clinton C. Knox

Re: DMEA-4312(Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

Enclosed you will find the following in connection with the above matter:

1. Original and one copy of performance bond on the American Automobile Insurance Company for the Briscoe County Uranium Company.

2. Proposed exploration project contract which you have forwarded to us.

We are sorry for the delay in sending this back to you but it took a little bit more time to get the performance bond than we anticipated.

The applicants can start work on this project within three weeks from the date of the acceptance of this contract. It is anticipated, however, that it may be necessary to ask for an extension of time within which to complete the work.

We enclose a thermo-fax copy of a conveyance from Jack Dixon to Dick Garner covering Mr. Dixon's interest in the Briscoe County Uranium Company so that at present there are only four partners in this company.

If anything further is needed in this connection, please advise me.

Yours very truly,

/s/John T. Boyd
/t/John T. Boyd

JTB:js

Enclosures

C
O
P

Law Offices of
MOREHEAD, SHARP & BOYD
621 Baltimore
Plainview, Texas
October 1, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957
DATE | INITIALS | CODE

Mr. Clinton C. Knox
United States Department of the Interior
Box 431
Joplin, Missouri

Dear Mr. Knox:

Enclosed you will find an original and three copies of the exploration project contract executed by Dick Garner on behalf of the Briscoe County Uranium Company. I would apprec iate it very much if you would return to us the operator's copy when it has been executed by the government.

I note that the expiration date of this contract is January 1, 1958, and of course I anticipate it will be necessary for the operators to apply for an extension of this date. They have also requested me to notify you that they now have a D-7 caterpillar.

Yours very truly,

/s/John T. Boyd
/t/John T. Boyd

JTB:js

Enclosures

[illegible] Lake in Colorado County, Texas.

[illegible] self, his heirs, executors [illegible]

[illegible] assets of such partnership [illegible]

[illegible] the assets or property [illegible]

[illegible] that the said Jack H. Dixon [illegible]

[illegible] remaining partners, [illegible]

[illegible] witness whereof this 14th day of September,

Doyle Saul

Jack H. Dixon

Jack H. Dixon

A. [illegible] Dixon

[illegible] Notary Public in and for [illegible] County [illegible] personally appeared Dick [illegible], known to me to be the [illegible] is subscribed to the foregoing instrument, and acknowledged to me [illegible] the same for the purposes and consideration therein expressed.

[illegible] MY HAND AND SEAL OF OFFICE this the _____ day of Septemb[illegible]

Notary Public, _____ County, Texas.

[illegible], the undersigned, a Notary Public in and for said County [illegible] personally appeared Vernon Bradley, known to me to be the [illegible] subscribed to the foregoing instrument, and acknowledged to me [illegible] same for the purposes and consideration [illegible] expressed.

[illegible] MY HAND AND SEAL OF OFFICE this the _____ day of Septem[illegible]

Notary Public, _____ County, Texas.

THE STATE OF TEXAS,

COUNTY OF _____.

BEFORE ME, the undersigned, a Notary Public in and for said State, on this day personally appeared Doyle Saul, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the _____ day of _____, A.D. 19_____.

_____

Notary Public, _____ County, Texas.

THE STATE OF TEXAS,

COUNTY OF COLORADO.

BEFORE ME, the undersigned, a Notary Public in and for said State, on this day personally appeared Jack E. Bizzell, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the _____ day of _____, A.D. 19_____.

_____

Notary Public, Colorado County, Texas.

THE STATE OF TEXAS,

COUNTY OF _____.

BEFORE ME, the undersigned, a Notary Public in and for said State, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

RECEIVED 1957

[illegible] date of June 7, 1955, Dick Garner, Vernon Bradley, [illegible]
[illegible] and A. V. Wilson entered into a partnership under the fi[illegible]
[illegible] County Uranium Company, with the principal office at Plainvi[illegible]
[illegible], for the purpose of locating, producing, mining, and [illegible]
[illegible] other minerals, and to conduct such other business as the pa[illegible]
[illegible]

[illegible] said partnership has continued from such date to the pre[illegible]
[illegible] existence in and accordance with such partnership agreem[illegible]
[illegible]ence is here made; and

[illegible], the partner, Jack H. Dixon, desires to withdraw from such [illegible]
[illegible] to convey all of his interest in and to the partnership asse[illegible]
[illegible] to Dick Garner, one of said original partners;

[illegible], KNOW ALL MEN BY THESE PRESENTS That we, Dick Garner, [illegible]
[illegible] Saul, Jack H. Dixon and A. V. Wilson, being all of the [illegible]
[illegible] of Briscoe County Uranium Company, for valuable consider[illegible]
[illegible] and covenant, each with the other, as follows:

[illegible] that the said Jack H. Dixon may, and does hereby, withdraw from [illegible]
[illegible], and he does hereby grant, sell and convey unto Dick Garner, [illegible]
[illegible], all of the interest of the said Jack H. Dixon in and to [illegible]
[illegible] assets of said firm known as Briscoe County Uranium Company, [illegible]
[illegible] (limitation) his interest in bank accounts, leases, and all [illegible]
[illegible] of whatever nature and wherever situated, whether real, persona[illegible]

[illegible] the said Jack H. Dixon is hereby released from all liability o[illegible]
[illegible]re, past, present or future, in connection with said partnership [illegible]
[illegible] parties hereto do hereby agree to hold the said Jack H. Dixon, [illegible]
[illegible] administrators, [illegible]ess from all claims, damages, indebt[illegible]
[illegible], whether [illegible], present or future, in connection with [illegible]
[illegible] remaining partners do hereby agree to indemnify th[illegible]
[illegible], his heirs, executors and administrators from any such cl[illegible]
[illegible] demands, causes of action, whether past, present or future,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
October 2, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 4 1957

DATE	INITIALS	CODE
10/4	C	220
"	~~FLC~~	700

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Briscoe County, Tex.

Dear Sirs:

This is to confirm my message by telephone to your attorney, Mr. John T. Boyd, after I was unable to contact you by telephone on September 30.

Contrary to my letter to you of September 24, the original and all four copies of the proposed DMEA project contract, which I enclosed therewith, are to be returned to me whether they are executed by you or not. If they are executed by your company, signing and numbering by the Government still would be required. If made effective by the signature for the Government by the DMEA Administrator, the "Operator's Copy" will be returned for your file.

Sincerely yours,

CCK/md

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file
Shadow cy Mr. John T. Boyd,Attorney
Plainview, Texas

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/30	Hugus	700
9/30	[illegible]	130
	Lamb	
	Williams	
	[illegible]	110
"	Mattendorf	100
10/1	B O	220
		700

SEP 30 1957

Department of the Interior

DMEA

14X4401(01) Revolving Fund, Defense Production Act, Interior, (Transfer to Office of Secretary).

T E L E T Y P E

CLINTON C. KNOX, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION IV
P. O. BOX 431
JOPLIN, MISSOURI

REOURLET AUGUST 19 AND URLET SEPTEMBER 24 TO APPLICANT DMEA-4312, BRISCOE COUNTY URANIUM COMPANY. INSTRUCT APPLICANT TO SIGN AND RETURN ALL COPIES CONTRACT FOR ADMINISTRATOR'S SIGNATURE.

George C. Selfridge
(By esg)
CHAIRMAN, OPERATING COMMITTEE

FLKnouse/gla
9-30-57
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, Rm. 5224
FLKnouse
Confirmation to Region IV

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Joplin, Missouri
September 24, 1957

OFFICIAL FILE COPY DMEA RECEIVED SEP 30 1957		
DATE	INITIALS	CODE
9/30	C	220
"	FL/C	700

Driscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312(uranium)
Rattlesnake mine
Brewster County, Tex.

Dear Sirs:

Receipt is acknowledged of the September 21 letter on your behalf from Mr. John T. Boyd, Attorney, transmitting the original and one copy of a performance bond executed September 6, 1957 by the American Automobile Insurance Company in the amount of $8,337.00, a copy of a September 12 assignment of the interests of Mr. Jack H. Dixon, Partner, in the above cited property, to Mr. Dick Garner, one of the remaining four partners, and the deadline date you wish set in the contract for the start of the project work.

Now that the requirements mentioned in my August 22 letter to Mr. Boyd seem to be fulfilled, the original and four copies of a proposed DMEA project contract on the subject property, are tendered herewith for execution by your company. Each copy of the contract, on Form MF-200, consists of Annex I(one page), Exhibit "A"(four pages), and one map(Figure 2). The original of the performance bond and copy of the assignment are retained here to be attached to the Government's Copy of the Contract; the copy of the performance bond will be attached to the Finance Office Copy of the contract when all are returned by you.

If the terms and conditions of this proposed contract are satisfactory to your company, all five copies should be properly executed, returning to me for the usual distribution all but that marked "Operator's Copy", which is for your file. If any part of this proposed contract does not meet with the approval of your company, however, please return all copies to me unsigned with your proposed changes for consideration of the washington office.

If the contract is executed, please notify this Field Team of the date when the project work actually commences. It will be my intent then to arrange for a representative of this Field Team to visit the

project preferably about the time you will be preparing your first monthly report. Sets of the necessary Monthly Report Forms MF-104 and MF-104A are enclosed herewith for that purpose.

Please do not hesitate to contact me if there are any questions concerning the stipulations in the contract or organization of the work to be done thereunder.

With best personal regards, I am,

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 7

cc: Mr. John T. Boyd, Attorney, Plainview, Tex.
DMEA Op.Com.(2)
King, USGS, Denver
4312 file

Law Offices of
MOREHEAD, SHARP & BOYD
621 Baltimore
Plainview, Texas

September 21, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 30 1957
DATE | INITIALS | CODE

United States Department of Interior
Defense Minerals Exploration Administration
P. O. Box 431
Joplin, Missouri

Attention: Mr. Clinton C. Knox

Re: DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

Enclosed you will find the following in connection with the above matter:

1. Original and one copy of performance bond on the American Automobile Insurance Company for the Briscoe County Uranium Company.

2. Proposed exploration project contract which you have forwarded to us.

We are sorry for the delay in sending this back to you but it took a little bit more time to get the performance bond than we anticipated.

The applicants can start work on this project within three weeks from the date of the acceptance of this contract. It is anticipated, however, that it may be necessary to ask for an extension of time within which to complete the work.

We enclose a thermo-fax copy of a conveyance from Jack Dixon to Dick Garner covering Mr. Dixon's interest in the Briscoe County Uranium Company so that at present there are only four partners in this company.

If anything further is needed in this connection, please advise me.

Yours very truly,

/s/John T. Boyd
/t/John T. Boyd

JTB:js

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri

ORIGINAL FILE COPY
DMEA
RECEIVED AUG 26 1957
DATE | INITIAL | CODE
8/26 | C | 220
" | FLK | 700

AIRMAIL

August 22, 1957

Mr. John T. Boyd, Attorney
Morehead, Sharp & Boyd
621 Baltimore
Plainview, Texas

Re: DMEA-4312(Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Boyd:

After receiving from Washington yesterday afternoon a proposed long-form contract between the Government and the subject Applicant, and not being able to complete any of the long distance calls I placed to the Applicant partners, I was pleased to reach you by telephone last night and learn that you still are empowered to handle such negotiations for them.

Following my brief outline to you of the specifications in that contract for the modified and reduced work program which I understand was discussed with and tentatively approved by this Applicant, you expressed the opinion that the Applicant partners intend shortly to furnish me the executed Consent to Lien and Subordination Agreement sant to them, with instructions, on April 22, 1957, or an acceptably executed Performance Bond on Standard Form 25 in the amount of $8,337.00. In addition to the appropriate statement concerning whichever obligatory document may be furnished the Government which I yet am to type under Article 2(c) of the contract form, I am also to obtain from the Applicant a suitable deadline date for starting the project work to be specified in Article 3 before I tender the original and four copies of this project contract for signature of acceptance by the member of this partnership having legal authority to sign for it. Then, if the Applicant elects to sign the contract, the original and all copies are to be returned for the signature of the Administrator and distribution, including return of the "Operator's Copy" to the Applicant.

In case the Applicant is unable to obtain the Consent to Lien, three copies of Standard Form 25, Performance Bond, are enclosed herewith for execution, two of which are to be attached to the "Government's Copy" and "Finance Office Copy", respectively, of the contract; one to be retained for your client's copy.

Except for the latter, please return all the papers enclosed herewith and the original and four copies of the executed Consent to Lien, if obtainable. Then I will immediately make appropriate additions to each copy of the contract form and tender all, through your office, for the Applicant's signature.

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 4

cc: DMEAOp.Com.(2)
King,USGS,Denver
Chester,USBM,Joplin
4312 file

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-8	Knox	700
8-8	Ellis	700
8-9	Chambers	800
8/16	BCS	130
"	Johnson	110
"	Rittenhouse	100
8-19	C	220
		700

AUG 19 1957

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Enclosed are the original and four copies of a proposed long-form contract between the Government and the subject Applicant. The contract consists of Form MF-200; Annex I, one page; Exhibit "A," 4 pages; and one map (Figure 2). Also enclosed are three copies of Standard Form 25, Performance Bond, that the Applicant may require. In addition, there are enclosed copies of memoranda, dated April 9, and 18, 1957, from James Paone, USBM, and W. P. Williams, USGS, respectively, relating to the proposed project.

If you and the Applicant find the contract satisfactory, it is ready for the signature of the Applicant provided the following requirements are met:

1. Receipt by you and attachment to each of the contract copies the executed Consent to Lien and Subordination Agreement sent to the Applicant, with instructions, on April 22, 1957, or the receipt by you and attachment to the Government's and Finance Office's copies of the contract a satisfactory Performance Bond on Standard Form 25 in the amount of $8,337.00;

2. Insertion in Article 2(c), if a Performance Bond is attached to the contract, the following: "or Performance Bond dated _____, (name of the insuring company) in the amount of $8,337.00."; and

3. Insertion of a suitable starting date under Article 3.

After the contract is signed, the original and all copies of the contract are to be returned for the signature of the Administrator and distribution.

8623

You will note that the contract provides for a substantial modification and reduction of the work recommended by the Field Team. However, the program was discussed with and approved by the Applicant.

In the event that any part of this proposed contract does not meet with your approval or the Applicant's and cannot be amended within your delegated authority, the original and all copies are to be returned with the proposed changes for consideration.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

O. M. Bishop (GCS)

Member, Bureau of Mines

W. P. Williams (GCS)

Member, Geological Survey

FLKnouse/gla/izm 8-8-57

cc to: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

P. S. The two extra copies of Annex I, Exhibit "A," and map (Figure 2), for use of the Field Team, will be forwarded later after the Administrator has signed the contract.

Government's Copy

MF-200
(Revised June 1954)

Docket No. DMEA 4312

Commodity Uranium

Contract No. Idm–E

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this ..... day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Briscoe County Uranium Company, a partnership organized in the State of Texas, comprised of Dick Garner, Jack H. Dixon, Vernon Bradley, Doyle Saul, and A. V. Wilson, whose mailing address is 515 Oakland Street Plainview, Texas, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF–200), the attached Exhibit "A," Annex I, and map, Figure 2

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

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Texas, County of Briscoe, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Lessee of [5] the mineral rights (except oil and gas) in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] Lease, [7] recorded in ~~Book~~ Volume 50 pages 567-570, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: interests of lessors

(c) 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

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien and Subordination Agreement of lessors

(d) 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. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, 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. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Uranium. The work to be performed is described in Exhibit "A." The Operator on or before _____ shall commence the work, and on or before October 1, 1957 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall either have completed the work or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A."

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *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 a 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 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $ 11,116.00 The Government shall contribute 75 percent of the allowable costs as they are incurred in a total sum not in excess of $ 8,337.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312

EXHIBIT "A"

General Provisions

The purpose of the work is to test the calcareous sandstone in the Dockum group of Triassic age for uranium-bearing ore. The work consists of stripping the sandstone rims with a tractor in areas of radioactivity, and also non-core and core drilling from the surface.

The rim stripping shall be done with a Model D-7 Caterpillar tractor w/dozer or an equivalent size unit of another make. The stripped rim shall be radiometrically surveyed, and exposed areas of significant radioactivity shall be channel sampled across the exposure normal to the rock bedding at intervals of not less than 10 feet and such samples analyzed chemically for U_3O_8.

All holes shall be drilled through the ore-bearing Dockum calcareous sandstone and not less than five feet nor more than ten feet into the underlying red mudstone or pink sandstone. Two holes shall be core drilled their entire length, one hole in either drill hole lines Nos. I or II and one hole in either drill hole lines Nos. III or IV, each at locations approved by the Government. All other holes in drill hole lines Nos. I, II, III and IV, and holes drilled back of the rim, shall be drilled non-core. The diameter of all drill holes shall be of sufficient size so that they can be probed with standard radiometric probing equipment. Drilling depths in the four lines of holes are expected to range from 38 to 100 feet, and to average about 63 feet. The core drill holes shall be reamed and cased as necessary.

All core and cuttings shall be saved and checked for radioactivity. Cuttings from the non-core holes shall be collected at 2-foot intervals by means of a Duclone type dust collector, and all cuttings indicating radioactivity shall be analyzed chemically for U_3O_8. Cored hole sections indicating significant radioactivity shall be split into halves, and one-half of the drill core shall be analyzed chemically for U_3O_8; the other half of the core and one-half of the cuttings from the mineralized sections of the core and non-core holes, shall be furnished to the Government upon request. All the remaining core and cuttings shall be properly labeled and stored pending the Government's final inspection.

(each copy of)

All drill holes shall be logged geologically and probed for radioactivity, and ~~four~~ copies of each log shall be furnished to the Government with the Operator's monthly reports. No hole shall be drilled nor work done closer than 100 feet to the outside boundary of the land described in Article 2 of the contract. No payment shall be made for an incompleted drill hole.

The method of all sampling is subject to the approval of the Government. No more than 100 samples shall be analyzed chemically for U_3O_8.

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

The project shall be supervised at all times by a qualified mining geologist or mining engineer who shall direct or perform the required surveying, mapping, sampling, drill hole logging, and prepare the reports pursuant to the contract. A qualified consulting geologist shall be employed to study the results of the work when the rim stripping is completed and, when the drilling is completed, to make recommendations and submit a final report on the project work.

Description of the Work

The work shall be done in the sequence described below:

Work Items:

1. Strip the rim areas shown in red color on the attached map entitled "Figure 2 - Geologic Map of Saul Ranch (Rattlesnake Mine) Briscoe County Uranium Company - Briscoe County, Texas, Showing Recommended Exploration - Docket DMEA 4312."

2. A series of non-core drill holes shall be drilled ~~north of or~~ behind each rim where a significant mineralized body is exposed by item 1 work. The holes shall be drilled in two lines paralleling the rim. The first line shall be not closer than 150 feet from the rim, and the second line shall be not closer than 200 feet from the first line. The holes along each line shall be spaced not less than 100 feet apart and shall be drilled on a staggered grid across the indicated trend of mineralization. The locations of these holes must have the prior written approval of the Government.

Drilling footage required for the holes behind the rim in the south central part of the property shall be deducted from the drill hole lines Nos. III and IV (estimated for work item 3); and drilling footage required for the holes behind the rim of the northwest trending draw shall be deducted from drill hole lines Nos. I

and II (estimated for work item 4).

3. If item 1 work does not expose any significant mineralization along the rim in the south central part of the property, then 25 non-core holes and one core drill hole, the locations being subject to the approval of the Government, shall be drilled in drill lines Nos. III and IV, aggregating approximately 1,775 feet of non-core and 75 feet of core drilling.

4. If item 1 work does not expose any significant mineralization along the rim of the northwest trending draw in the west central part of the property, then 20 non-core holes and one core drill hole, the locations being subject to the approval of the Government, shall be drilled in the drill lines Nos. I and II aggregating approximately 1,025 feet of non-core and 75 feet of core drilling.

Not more than 2,800 feet of non-core drilling and not more than 150 feet of core drilling shall be performed under this contract. The approximate locations of drill hole lines Nos. I, II, III, and IV are shown on the map, Figure 2, referred to in item 1 above. Lines Nos. I and II and lines Nos. III and IV shall be not less than 100 feet apart.

Estimated Cost of the Project

(In addition to the maximums set forth in Article 6, an asterisk indicates maximum.)

Actual Cost

Category (1) Independent Contracts

350 hours of actual tractor w/dozer operating time (including operator and all necessary costs) @ $12.50/hr.	$4,375.00	
2,800 feet non-core drilling @ $0.95/ft.	2,660.00	
150 feet core drilling @ $1.55/ft.	232.50	$7,267.50

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 Supervising engineer or geologist @ $500.00/mo. - 3½ months	$1,750.00
1 Sampler @ $300.00/mo. - 1½ months	450.00

expenses

the rate of $100/day criteria: 75¢/day 10¢/day 15¢/day per diem

1 Consulting geologist @ $100.00/da., 4 days		$ 400.00	
Subcategory (c) Labor	None		$ 2,600.00
Category (3) Operating Materials and Supplies			
8 Paper core boxes @ $1.00* each		$ 8.00	
Paper sample sacks		20.00	28.00
Category (4) Operating Equipment			
Subcategory (a) Rental			
1 Pick-up truck or automobile @ $0.07/mi., 3,500 miles		245.00	
1 Radiometric hole proving unit @ $100.00/mo., 2 months		200.00	
Subcategories (b) and (c) Purchase and Depreciation	None		445.00
Category (5) Initial Rehabilitation and Repairs	None		
Category (6) New Buildings, Fixtures and Installations	None		
Category (7) Miscellaneous			
100* Sample chemical analyses @ $5.00*/each sample		500.00	
Payroll taxes for the supervisor and sampler @ 12½ percent of $2,200.00		275.00	775.00
Estimated Total Cost of Project (rounded to)			$11,116.00
Government Participation @ 75 percent			$ 8,337.00

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/15	Knouse	700
"	Johnson	110
"	Mittendorf	100
8/16	G.	220
		700

AUG 16 1957

Hon. George Mahon
House of Representatives
Washington 25, D. C.

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Mahon:

This responds to your inquiry, dated August 8, 1957, which relates to the status of the subject application.

On April 22, 1957, we wrote to the Applicant and requested a document that we required to process the application. Since the original request for the document, letters, dated May 21, June 18, and July 25, were sent to the Applicant requesting this document. On August 5 we received a letter, dated April 1, 1957, from the Applicant's representative, Mr. John T. Boyd, which advised that the Applicant would be able to furnish the requested document or another document satisfactory to us, and requested that we proceed to process the application. In view of the statement in the above letter, we are proceeding with the processing of the application.

If we can be of further assistance in this matter, please let us know.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FLKnouse/izm 8-15-57
cc to: Mr. Knouse
Admr.'s Reading File
DMEA FT Reg. IV (2) w/2 cc's of incoming letter
THKiilsgaard, 5224

8623

GEORGE MAHON
19TH DIST., TEXAS

MEMBER OF
COMMITTEE ON APPROPRIATIONS

Congress of the United States
House of Representatives
Washington, D. C.

j

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 9 1957

DATE	INITIALS	CODE
8/14	FLK	700

August 8, 1957

Mr. C.O. Mittendorf
Defense Minerals Exploration Administation
Department of the Interior
Washington 25, D.C.

Dear Mr. Mittendorf:

This is in regard to the Briscoe County Uranium Company and the application which I believe that organization has pending before the Defense Minerals Exploration Administration at this time. I know that you and your staff are doing everything possible to expedite this matter, and I would appreciate it very much if you would have someone give me a report on the situation. Thanks very much.

Best wishes.

Yours sincerely,

George Mahon

George Mahon

7

OFFICIAL FILE COPY

Date	Surname	Code
8-6	Knouse	700
8-6	Ellis	700
8/7	Johnson	110
"	Mittendorf	100
		226
		700

AUG - 7 1957

Hon. Lyndon B. Johnson
United States Senate
Senate Office Building
Washington 25, D. C.

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Senator Johnson:

This responds to your inquiry of August 2 and the attached copy of a letter, dated July 30, 1957, addressed to Mr. Ernest M. Ellis, from Mr. John T. Boyd.

On August 1, Mr. Boyd telephoned about this matter. He was advised that we would require execution of the Form RF-205, (Consent to Lien and Subordination Agreement) which was sent to Briscoe County Uranium Company on April 22, 1957; or a Performance Bond in the amount of the Government's participation (approximately $8,400.00) before a contract to explore the subject property could be approved. Mr. Boyd was of the opinion that it would be advisable to obtain a Performance Bond in lieu of the Consent to Lien and Subordination Agreement, and stated he would discuss this matter with the Applicant and advise us of the decision.

We have just today received Mr. Boyd's letter of August 1, 1957, copies of which are enclosed for your information. In view of the information in this letter we will proceed with the processing of the application.

As you requested, we are returning the copy of Mr. Boyd's letter of July 30 which was the attachment to your inquiry.

If we can be of further assistance in this matter, please let us know.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

FLKnouse/izm 8-6-57
cc to: Mr. Knouse
Admr.'s Reading File
THKiilsgaard, 5224
DMEA FT Reg. IV (2) w/cc of above-referenced letters.

8623

LYNDON B. JOHNSON
TEXAS

United States Senate
Office of the Democratic Leader
Washington, D. C.

August 2, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8-5	FLK	900

Dear Sir:

I am enclosing a communciation which I have received from one of my constituents. I will appreciate your giving serious consideration to this problem, based on its merits.

Please let me have as prompt a reply as possible, returning the enclosure, in order that I can inform the writer.

Sincerely,

Lyndon B. Johnson

Lyndon B. Johnson

P. S. Please address reply to Lyndon B. Johnson, U.S. Senate, Washington, D. C. If additional information is required, please telephone Mr. Arthur C. Perry at NA 8-3120, extension 186.

Mr. Ernest W. Ellis, Director
Division of Rare and Miscellaneous Metals
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4375
P. O. BOX 790

July 30, 1957

Mr. Ernest O. Ellis, Director
Division of Rate and Miscellaneous Matters
Defense Minerals Exploration Administration

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine, Brewster County, Texas.

Dear Sir:

Enclosed you will find thermo-fax copies of the last two letters concerning the above matter which R. Q. Silvertharoo, the local agent of the United Fidelity Life Insurance Company, has received from his company concerning the subordination agreement to your proposed lease contract.

The difficulty in this matter seems to be that the insurance company would like to see the lease contract while no such contract has as yet been entered into by the United Company.

I wonder if it would not be possible to furnish the insurance company a completed copy of the proposed government contract. This, I believe, would satisfy their requirements for more detailed information concerning the contract to which they are subordinated.

If this cannot be done, I wonder if it would not be possible for all of the details necessary in the execution of this to be worked out except the subordination agreement upon the assurance of the insurance company that they will execute a subordination agreement when needed to complete this matter.

I am willing to do anything possible in order to expedite this matter and I am sending a copy of this correspondence to the United Fidelity Life Insurance Company for their information. Your early attention to this letter would be appreciated.

Yours very truly,

John T. Boyd

JTB:jb

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-2	Ellis	700

August 2, 1957

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Div. of Rare & Misc. Metals

Subject: Telephone call from Mr. J. T. Boyd, Plainview, Texas
August 1, 1957, to Mr. Knouse and Mr. Ellis
Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas

Boyd: We have your letter, dated July 25, advising that the application will be considered withdrawn if the requested agreements are not received within 30 days. I want to let you know that we are doing everything possible to obtain the requested documents.

Ellis: When do you think you can obtain them?

Boyd: I sent you some copies of letters from the United Fidelity Life Insurance Company, that you should have or should arrive shortly. United Fidelity objected to certain paragraphs in the Government's Consent to Lien and Subordination Agreement, but I think they would, ~~I believe,~~ execute their Subordination Agreement, e.g., they execute for the oil companies in this area.

Knouse: I doubt that the Government would be willing to accept any agreement but the one that was sent to you. Would "Briscoe" be able and willing to obtain a Performance Bond in lieu of the Consent to Lien and Subordination Agreement? The approximate amount of the Government's participation would be $8,400.00. The Government would require that such a bond be issued on Standard Form 25 which is known to all reputable insurance companies.

Boyd: That may be the only solution as we are very interested in doing the exploration work. However, first I must talk with "Briscoe."

Knouse: I note in the letter from the insurance company that they would like to see the contract before signing the "O.C.L." It is possible that our committee and Administrator may permit us to send the contract to "Briscoe" for signature before it is signed by him at which time the insurance company could see the contract. However, before such action is taken we would like to know if Briscoe will obtain a Performance Bond if the "Consent to Lien and Subordination Agreement cannot be obtained from "United Fidelity."

Boyd: I will discuss this question with Briscoe and let you know soon.

F. L. Knouse

FLK/izm 8-2-57 cc to: FLK

8623

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

August 1, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/6	P.K.	220
	Kuonel	700

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Attention: C. O. Mittendorf

Re: Briscoe County Uranium Company
DMEA-4312

Dear Sir:

After our telephone conversation this morning, I consulted the officers of the Briscoe County Uranium Company. They have authorized me to notify you that if they are unable to furnish to you a subordination agreement from the United Fidelity Life Insurance Company on a form satisfactory to you when called upon, they will furnish you a performance bond on a form satisfactory to you in the amount of $8,400.00.

We would appreciate it very much if you would proceed with the processing of this loan application. If anything further is needed, please let me know.

Yours very truly,

John T. Boyd

JTB:js

cc: Hon. Leroy Saul
House of Representatives
Capitol Station
Austin, Texas

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

July 30, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 1 1957

DATE	INITIALS	CODE
8/1	C	220
"	FLK	700

Mr. Ernest W. Ellis, Director
Division of Rate and Miscellaneous Metals
Defense Minerals Exploration Administration

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine, Briscoe County, Texas.

Dear Sir:

Enclosed you will find thermo-fax copies of the last two letters concerning the above matter which R. Q. Silverthorne, the local agent of the United Fidelity Life Insurance Company, has received from his company concerning the subordination agreement to your proposed lease contract.

The difficulty in this matter seems to be that the insurance company would like to see the lease contract while no such contract has as yet been entered into by the United Company.

I wonder if it would not be possible to furnish the insurance company a completed copy of the proposed government contract. This, I believe, would satisfy their requirements for more detailed information concerning the contract to which they are subordinated.

If this cannot be done, I wonder if it would not be possible for all of the details necessary in the execution of this to be worked out except the subordination agreement upon the assurance of the insurance company that they will execute a subordination agreement when needed to complete this matter.

I am willing to do anything possible in order to expedite this matter and I am sending a copy of this correspondence to the United Fidelity Life Insurance Company for their information. Your early attention to this letter would be appreciated.

Yours very truly,

John T. Boyd

JTB:js

Two copies this letter and attachments forwarded to Region IV without transmittal letter 8/2/57 gla

UNITED FIDELITY

The Insurance Company

A TEXAS INSTITUTION

DALLAS, TEXAS

ORIGINAL FILE COPY
RECEIVED AUG 1 1957
DATE | INITIALS

July 9, 1957

Mr. R. A. Silverthorne
400 Skaggs Building
Plainview, Texas

Re: Loan No. 5807
Doyle R. Saul

Dear Mr. Silverthorne:

We passed along to our attorneys the letters we received from the government about mineral lease contract, but they state that no contract has yet been entered into. We therefore have two unsolved problems before us.

The first is as to what interest we are supposed to take in Survey 110, Block D-1, because, you will notice from our letter of June [illegible] that our Survey 110 is out of Block G & M, Certificate No. 4398.

This may be owned by another person and included in the overall lease arrangement.

It is rather difficult to be specific in preparing a subordination agreement without having before us a copy of the lease contract, which we understand from the letter Mr. Mills wrote to Mr. Boyd about [illegible] that the contract has not actually been written. As soon as it is written, please send us a copy, and we will prepare our regular subordination agreement, as is customary in connection with mineral leases. We feel sure it will satisfy the government, although it may not go quite as far in subordinating our lien to the land itself as the suggested form submitted by the government. We believe, however, it will be satisfactory.

UNITED FIDELITY

A TEXAS INSTITUTION

DALLAS, TEXAS

July 9, 1957

Mr. R. L. Silverthorne
400 Skaggs Building
Plainview, Texas

Re: Loan No. 5807
Doyle R. Saul

Dear Mr. Silverthorne:

We passed along to our attorneys the letters we received from the government about mineral lease contract, but they state that no contract has yet been entered into. We therefore have two unsolved problems before us.

The first is as to what interest we are supposed to have in Survey 110, Block B-1, because, you will notice from our letter of June 1 that our Survey 110 is out of Block G & M, Certificate No. 3/398.

This may be owned by another person and included in the overall lease arrangement.

It is rather difficult to be specific in preparing a subordination agreement without having before us a copy of the lease contract, and we understand from the letter Mr. Hills wrote to Mr. Boyd about [illegible] that the contract has not actually been written. As soon as it is written, please send us a copy, and we will prepare our regular subordination agreement, as is customary in connection with mineral leases. We feel sure it will satisfy the government, although it may not go quite as far in subordinating our lien to the land itself as the suggested form submitted by the government. We believe, however, it will be satisfactory.

The attorneys are writing about this, and we may have a copy of their letter in a day or two to send to you, but this will be the substance of it.

Yours very truly

WHP:SIS

Executive Vice President

UNITED FIDELITY

Life Insurance Company

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 1 1957

DATE	INITIALS	CODE
1957		

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/24	Knouse	700
"	Ellis	700
"	[illegible]	110
"	[illegible]	100
7/25	C	220
		700

JUL 25 1957

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

This is with reference to our letters, dated April 22, May 21, and June 18, 1957, concerning a Consent to Lien and Subordination Agreement that we require to continue processing your 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 (for)

Administrator

FLKnouse/gla
7-24-57
cc to: Admr.'s Reading File
Code 700, Mr. Knouse
THKiilsgaard, Rm. 5224
DMEA Field Team, Region IV (2)

8623

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

June 22, 1957

1312

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 26 1957

DATE	INITIALS	CODE
6 26	C	220
"	~~FDK~~	720

United Fidelity Life Insurance Company
Dallas, Texas

Re: Loan No. 5887

Gentlemen:

Enclosed you will find a thermo-fax copy of a letter which we received this date from the Defense Minerals Exploration Administration concerning the Subordination Agreement covering Section 110, Block B-1, Briscoe County, against which you hold a loan.

We also enclose herewith the enclosure of that letter.

I hope that this will clear up the questions which you raised in your letter of June 7, 1957. However, if you need any further information please advise us.

Your early attention to this matter will be greatly appreciated.

Yours very truly,

John T. Boyd

JTB:js

Enclosures

cc: Lyndon B. Johnson
cc: United States Department of the Interior
cc: Dick Garner

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/20	Knouse	700
"	Ellis	700
"	Johnson	110
21	Rutledge	100
6/24	C	220
		700

JUN 21 1957

Hon. Lyndon B. Johnson
United States Senate
Senate Office Building
Washington 25, D. C.

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Senator Johnson:

We are enclosing copies of our letter, dated June 18, 1957, to Mr. John T. Boyd that will, I believe, answer your inquiry of June 14 which relates to the above-docketed application.

As you requested, we are returning herewith the attachments to your letter.

If we can be of further assistance in this matter, please let us know.

Sincerely yours,

C. O. Mitchmore (for)

Administrator

Enclosures

FLKnouse/gla
6-20--57
cc to: Admr.'s Reading File
Code 700, Mr. Knouse
DMEA Field Team, Region IV (2)

8623

N B. JOHNSON
TEXAS

United States Senate
Office of the Democratic Leader
Washington, D. C.

OFFICIAL FILE COPY DMEA RECEIVED JUN 20 1957		
DATE	INITIALS	CODE
6-20	FLK	700

June 14, 1957

Dear Sir:

I am enclosing a communication which I have received from one of my constituents. I will appreciate your giving serious consideration to this problem, based on its merits.

Please let me have as prompt a reply as possible, returning the enclosure, in order that I can inform the writer.

Sincerely,

Lyndon B. Johnson

P. S. Please address reply to Lyndon B. Johnson, U. S. Senate, Washington, D. C. If additional information is required, please telephone Mr. Arthur C. Perry, at NA 8-3120, extension 186.

Enclosures returned to Senator Johnson are the same as those attached to John T. Boyd's letter June 10, 1957

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

7

OFFICIAL FILE COPY

Date	Surname	Code
6/17	Kuggar	700
"	Ellis	700
"	Johnson	110
"	Patterson	100
6/18	ZWD	220
		700

JUN 18 1957

Mr. John T. Boyd
Morehead, Sharp & Boyd
621 Baltimore
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Boyd:

Since a contract to explore the subject property has not been approved, we are unable to furnish a copy as was requested in the letter, dated June 7, 1957, of the United Fidelity Life Insurance Company. However, there is enclosed a copy of Form MF-200 (Revised June 1954) Exploration Project Contract. Should a contract be approved to explore the above property, it will be written on this form. The total estimated cost of this phase of the proposed project work is not expected to exceed $11,500.00.

Please note that Article 8 of Form MF-200 describes both the method of repaying the Government's contribution and the lien on the property.

In response to the postscript of the letter, dated June 7, 1957, from the United Fidelity Life Insurance Company, the Mineral Lease submitted with the application, executed June 7, 1955, recites Doyle Saul and Clyde Saul as lessors, and Briscoe County Uranium Company as lessee of Section 110, in Block B-1, Briscoe County, Texas. This information indicates that Clyde Saul is part owner of this land.

We trust the above information will enable you to reply to the letter of the United Fidelity Life Insurance Company.

Further processing of the above application is pending receipt of the executed Consent to Lien and Subordination Agreement forms transmitted to the Applicant with our letter of April 22, 1957.

Sincerely yours,

SIGNED

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

Enclosure

cc: Briscoe County Uranium Company

w/2cc of 3 incoming letters

FLKnouse/gla
6-17-57
cc to: Admr.'s Reading File
Code 700, Mr. Knouse
T. H. Killsgaard, 5224
DMEA Field Team, Region IV (2)

8623

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

June 10, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 13 1957

DATE	INITIALS	CODE
6 13	C	220
"	FLR	700

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

This will acknowledge receipt of a copy of your letter of May 21, 1957 addressed to the Briscoe County Uranium Company.

Enclosed you will find a thermo-fax copy of the reply which we have received from the United Fidelity Life Insurance Company concerning this requested subordination. This letter from the United Fidelity Life Insurance Company is, I think, self-explanatory.

I would appreciate very much any information which you might be able to give us concerning the matters mentioned in their letter.

Yours very truly,

John T. Boyd

JTB:js

Enclosure

cc: United Fidelity Life Insurance Company

cc: Senator Lyndon Johnson

LAW OFFICES OF
MOREHEAD, SHARP & BOYD
621 BALTIMORE
PLAINVIEW, TEXAS

LUCIAN MOREHEAD
JOE SHARP
JOHN T. BOYD
MALCOLM W. TISDEL

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

June 10, 1957

CODE

United Fidelity Life Insurance Company
Dallas, Texas

Re: Loan No. 5807
Doyle R. Saul

Gentlemen:

Enclosed you will find a thermo-fax copy of a letter which the Briscoe County Uranium Company received from United States Department of the Interior relative to their application for government assistance in the development of the Rattlesnake Mine.

You will note that we are forwarding them a copy of your letter of June 7, 1957. We hope to have the information which you requested in the very near future.

Yours very truly,

John T. Boyd

JTB:js

Enclosure

cc: United States Department of the Interior
cc: Senator Lyndon Johnson

UNITED FIDELITY

Life Insurance Company

TEXAS INSTITUTION

DALLAS, TEXAS

RECEIVED JUN 20 1957

June 1, 1957

Mr. R. O. Silvertharn
406 Skaggs Building
Plainview, Texas

Re: Loan No. 5007
Doyle R. Sank

Dear Mr. Silvertharn:

We have the letter which you sent us addressed to [illegible] County Uranium Company, with subordination agreement pursuant to Section 110, Block B-1, against which we have the above loan.

This subordination is so broad and general in its [illegible] our attorneys will want to see the contract with the government which reference is made in the subordination agreement.

You may recall that under the terms of this [illegible] expected not only to subordinate, but it specifically states [illegible] "grants to the government a lien upon all of the [illegible] title, and interest in the land....." and in another place [illegible] "...the Government's interest and equity in such property [illegible] and superior to any adverse right or claim of the [illegible]

This would mean that we would have a second [illegible] and of course, we are not permitted to handle [illegible] the examiners would immediately throw it out.

It may be that if you can furnish us with a copy of the [illegible] contract, some of these points could be cleared up.

We would have no objection to subordinating our [illegible] buildings or structures which the Government might put [illegible] and giving them permission to remove them, but [illegible] subordinate to any claim the Government [illegible] rights under such [illegible]

Please clear this up for us as soon as possible.

Yours very truly

WHP:SDS

Executive Vice President

P.S. We are not quite sure that the above description covers a part of our security because it describes the property as Section 110, Block B-1. The only Survey 110 described in our deed of trust is out of Block G & M, Certificate No. 3/398, issued to the G.C. & S.F. R. R. Co., Abstract No. 1671, containing 640 acres of land. It may be that this subordination agreement covers another section of land owned by Mr. Saul; if so, please advise us and we will return it. We also notice that a Clyde Saul signed the subordination agreement, as well as Doyle Saul, but our file does not show that Clyde Saul has any interest in the security for our loan.

Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-21	Murphy	700
5-21	Ellis	700
"	Mitchell	700
5/21	C	720
		700

MAY 21 1957

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

This is with reference to our letter of April 22, 1957, forwarding copies of a Consent to Lien and Subordination Agreement form to be executed by the landowners and other parties who have an interest in the land, etc.

Action on your application is pending receipt of the executed copies of the form. We prefer not to hold an application in abeyance for an indefinite period; therefore, will you kindly submit the forms as soon as possible or advise this office the approximate date we may expect to receive them.

Sincerely yours,

SIGNED

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

FMMurphy/dlm 5-21-57
cc to : Mr. Murphy
Admr.'s Reading File
THKiilsgaard, Rm. 5224
DMEA FT, Reg. IV (2)

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

MAY 14 1957

Memorandum

To: The Administrator, DMEA
Attention: Chief, Rare and Miscellaneous Metals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Pursuant to your request, we have prepared the attached contract in satisfactory legal form for execution, subject to the attachment of the Consent to Lien and Subordination Agreement which was requested by Mr. Ellis in his letter to the applicant, dated April 22, 1957.

Robert P. Dwyer

Robert P. Dwyer

HCRubin/wog
May 9, 1957
Copy to: Solicitor's Docket (2)
DMEA Docket
EWEllis (2)
R.P.Dwyer
H.C.Rubin
Chron.

7

OFFICIAL FILE COPY

Date	Surname	Code
4/23	Knouse	700
"	Ellis	700
		~~220~~

April 23, 1957

Memorandum

To: Associate Solicitor
Division of Mineral Resources

From: Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Subject: Docket No. DMLA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Attached is a draft of a long-form contract covering the subject application. Nine prints of a map, Figure 2, are forwarded for attachment to the contract.

You will note from our letter to the Applicant, dated April 22, 1957, that a Consent to Lien and Subordination Agreement was requested. Also, since there is mention of a mortgage against the land, said information was also requested.

Ernest Wm. Ellis

Ernest Wm. Ellis

Attachments

FIKnouse/gla
cc to: Mr. Knouse

8623

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

April 23, 1957

Memorandum

To: The Files

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

CONTRACT COST JUSTIFICATION

A substantial part of the work recommended by the Field Team report was determined to be in the nature of prospecting by this Division, the commodity members, USGS and USBM, and the Operating Committee. Telephone calls to the Executive Officer and the Acting Executive Officer showed they were reluctant to change the recommended program. Therefore, the designed work program, as is outlined in the contract, is based on discussions with USBM and USGS commodity members, Division members, Chairman of the Operating Committee, and the Deputy Administrator. The cost figures are based on the costs submitted by the Field Team and general knowledge.

It is estimated that the project work can be completed within three months' time. There is an allowance of 1½ months' time for the use of a sampler in sampling mineralized exposures made along the rim by the tractor, and an allowance of 3½ months for a supervising engineer. This will allow a half month for him to prepare the final report and wind up the accounts after the project work is finished. Details of the costs are set forth in the contract.

F. L. Knouse
F. L. Knouse

P. S. The project was also discussed with Applicant's engineer (see memorandum to the file, dated April 22, 1957) and was approved by Applicant's telegram of the same date.

DRAFT
4/23/57
FIKnouse/gla

DOCKET COPY

MF-200
(Revised June 1954)

Docket No. DMEA -4312

Commodity Uranium

Contract No. Idm-E

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this ..... day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] .....
Briscoe County Uranium Company, a partnership organized in the State of Texas, comprised of Dick Garner, Jack H. ~~Dickson~~ Dixon, Vernon Bradley, Doyle Saul, and A. V. Wilson,
whose mailing address is 515 Oakland Street, Plainview, Texas,
hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200), the attached Exhibit "A," Annex I, and map, Figure 2

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

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Texas, County of Briscoe, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Lessee of [5] mineral rights except oil and gas in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease, [7] recorded in ~~Book~~ Volume 50, page 567-570, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: .....

(c) 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

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: .....

.....

.....

(d) 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. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, 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. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Uranium. The work to be performed is described in Exhibit "A." The Operator on or before ..... shall commence the work, and on or before October 1, 1957 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall ~~either~~ have completed the work ~~or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A."~~ See Article 13

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *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 a 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 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $ ~~11,108.00~~ $11,116.00 The Government shall contribute 75 percent of the allowable costs as they are incurred in a total sum not in excess of $ ~~8,337.00~~ $8,337.00 : *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work.

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums.

CATEGORY (2)—PERSONAL SERVICES.

Subcategory (a)—Supervision.—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)—Technical services.—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

Subcategory (c)—Labor.

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

Subcategory (a)—Rental.—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)—Purchases.—The estimated total of this subcategory is a maximum.

Subcategory (c)—Depreciation.—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).—The estimated total of this subcategory is a maximum.

Subcategory (b)—Initial rehabilitation and repairs of operating equipment.—The estimated total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9. SeeArticle 13

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the 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. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. 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 any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(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 detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and 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 related costs incurred.

(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 8. *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 a sufficient final report and final account (see Article 7) has been rendered, 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, 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, within 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 or 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) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(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 therof in the form in which and at the time when 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 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 10. *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: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) 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.

(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: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) 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 remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *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 his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *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 13. *Changes and added provisions.*—

(a) That part of the last sentence of Article 3 beginning with the word "either" is deleted and replaced by the words "have completed the work, except as otherwise provided in Exhibit 'A' with respect to stage of work."

(b) In the last sentence of Article 6(c), the words "Article 8" are substituted for the words "Article 9."

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By .....

.....
(Operator)

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 16—70617-1

DRAFT
4/23/57
FIKnouse/gla

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4294

ANNEX I

The land referred to in Article 2 of the contract form consists of all of Section 110, in Block B-1, in Briscoe County, Texas.

DRAFT
4/23/57
FIKnouse/gla

EXPLORATION PROJECT CONTRACT
BRISCOE COUNTY URANIUM COMPANY
DOCKET NO. DMEA-4312

EXHIBIT "A"

General Provisions:

The purpose of the work is to test the Dockum group calcareous sandstone of Triassic age for uranium-bearing ore. The work consists of stripping the sandstone rims with a tractor in areas of radioactivity, and also by non-core and core drilling from the surface.

The rim stripping shall be done with a Model D-7 Caterpillar tractor w/dozer or an equivalent size unit of another make. The stripped rim shall be radiometrically surveyed and exposed areas of significant radioactivity shall be channel sampled across the exposure normal to the rock bedding at intervals of not less than 10 feet, and such samples analyzed chemically for U_3O_8.

All holes shall be drilled through the ore-bearing Dockum calcareous sandstone and into the underlying red mudstone or pink sandstone not less than five feet nor more than 10 feet. Two holes shall be core drilled ~~its~~ their entire length, one hole in either drill hole lines Nos. I or II and one hole in either drill hole lines Nos. III or IV at locations approved by the Government. All other holes in drill hole lines Nos. I, II, III and IV or holes drilled back of the rim shall be drilled non-core. The diameter of all drill holes shall be of sufficient size so that they can be probed with standard radiometric proving equipment. Drilling depths in the four linesof holes are expected to range from 38 to 100 feet or an average of 63 feet. All core drill holes shall be reamed and cased asnecessary.

All core and cutting shall be saved and checked for radioactivity. Cuttings from the non-core holes shall be collected at 2-foot intervals by means of a Duclone type dust collector, and all cuttings indicating radioactivity shall be analyzed chemically for U_3O_8. Cored hole sections indicating significant radioactivity shall be split into halves, and one-half of the drill core shall be analyzed chemically for U_3O_8; the other half of the core and one-half of the cuttings from the mineralized sections of the core and non-core holes shall be furnished to the Government upon request. All the remaining core and cuttings shall be properly labeled and stored pending the Government's final inspection.

All drill holes shall be logged geologically and probed for radioactivity, and four copies of each log shall be furnished to the Government with the Operator's monthly reports. No hole shall be drilled nor work done closer than 100 feet to the outside boundary of the land described in Article 2 of the contract. No payment shall be made for an uncompleted drill hole.

The method of all sampling is subject to the approval of the Government. No more than 100 samples shall be analyzed chemically for U_3O_8.

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

The project shall be supervised at all times by a qualified mining geologist or mining engineer who shall direct or perform the required surveying, mapping, sampling, drill hole logging, and prepare

the reports pursuant to the contract. A qualified consulting geologist shall be employed to study the results of the work when the rim stripping is completed, and when the drilling is completed to make recommendations and submit a final report on the project work.

Description of the Work

The work shall be done in the sequence described below:

1. Strip the rim areas shown in red color on the attached map entitled "Figure 2 - Geological Map of Saul Ranch (Rattlesnake Mine) Briscoe County Uranium Company - Briscoe County, Texas Showing Recommended Exploration - Docket DMEA 4312."

2. If significant mineralized bodies are exposed by Item 1 work, non-core drill holes shall be drilled north of or behind each rim where the mineralized bodies are exposed. The holes shall be drilled in two lines paralelling the rim. The first line shall be not closer than 150 feet from the rim and the second line shall be not closer than 200 feet from the first line. The holes along the lines shall be spaced not less than 100 feet apart and shall be drilled on a staggered grid across the indicated trend of mineralization. The locations of these holes must have the prior written approval of the Government. Drilling footage required for the holes behind the rim in the south central part of the property shall be borrowed from drill hole lines Nos. III and IV and drilling footage required for the holes behind the rim of the northwest trending ~~and~~ draw shall be borrowed from drill hole lines Nos. I and II.

3. If Item 1 work does not expose significant mineralisation along the rim in the south central part of the property, then 25 non-core and one core drill hole shall be drilled in drill lines Nos. III and IV aggregating approximately 1,775 feet of non-core and 75 feet of core drilling.

4. If Item 1 work does not expose significant mineralisation along the rim of the northwest trending draw in the west central part of the property, then 20 non-core and one core drill holes shall be drilled in the drill lines Nos. I and II aggregating approximately 1,025 feet of non-core and 75 feet of core drilling.

Not more than 2,800 feet of non-core drilling and not more than 150 feet of core drilling shall be performed under this contract. The location of drill hole lines Nos. I, II, III, and IV are shown on the map, Figure 2, referred to in Item 1 above. Lines Nos. I and II and lines Nos. III and IV shall be not less than 200 feet apart and the holes along each line shall be spaced not less than 100 feet apart.

Estimated Cost of the Project

(In addition to the maximum set forth in Article 6 an asterisk indicates maximum.)

Actual Cost

Category (1) Independent Contracts

350 hours of actual tractor w/dozer operating time (including operator and all necessary costs) @ $12.50/hr. *4,375.00

2800 feet non-core drilling		
@ $0.95/ft.	$2,660.00	
150 feet core drilling @ $1.55/ft.	232.50	
Total		$7,267.50

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 - Supervising engineer or geologist		
@ $500/month - 3½ months	$1,750.00	
1 - Sampler @ $300/month - 1½ months	450.00	
1 - Consulting geologist @ $100/day - 4 days	400.00	

Subcategory (c) Labor

None		
Total		2,600.00

Category (3) Operating ~~Equipment~~ Materials and Supplies

8 - paper core boxes @ 1.00* each	$ 8.00	
Paper/sample sacks	20.00	
Total		28.00

Category (4) Operating Equipment

Subcategory (a) Rental

1 - pick-up truck or automobile		
@ $0.07* per mile - 3,500* miles	$ 245.00	
Radiometric hole probing equipment		
@ $100/month - 2 months	200.00	

Subcategories (b) and (c) Purchase and Depreciation

None		
Total		445.00

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures and Installations

None

Category (7) Miscellaneous

100* sample chemical analyses		
@ $5.00*/each sample	$ 500.00	
Payroll taxes for the supervisor and		
sampler @ ~~[illegible]~~ 12½ percent of $2,200.00	275.00	$ 775.00
Total		$ ~~768.75~~

	$11,116.00
Estimated total cost of project (rounded to)	~~$11,108.00~~
	$ 8,337.00
Government participation @ 75 percent	$ ~~8,331.00~~

Telefax WESTERN UNION Telefax

DPWA013 PD=PLAINVIEW TEX 22 1023ANC=

DEFENSE MINERALS EXPLORATION ADMINISTRATION,

ATTN MR KNOUSE=DEPT OF ENTERIOR WASHDC=

THE CHANGES YOU ASKED MR WHELAN ABOUT ON THE PHONE ARE OK=

THE BRISCOE COUNTY URANIUM CO DOYLE SAUL=

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DMEA
RECEIVED APR 22 1957

DATE	INITIALS	CODE
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1270 (1-51)

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

April 22, 1957

Memorandum

To: File

By: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Telephone conversation with Mr. Paul Whelan
Lubbock, Texas, Engineer for applicant
Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Knouse: We have studied over the proposal discussed with you and our field examiners, Messrs King and Knox. The program will require considerable modification before a decision can be reached to enter into a contract to explore your property. Much of the proposed work is in the nature of prospecting in which DMEA has no authority to participate.

If you have your map of the property before you, I will describe a program that will be submitted to our committee and the Administrator who will make the final decision relative to a program to explore your property.

Whelan: I do not have the map, but since I prepared the program, I am very familiar with the entire proposed project.

Knouse: In the south central part of the property there are shown four radioactive exposures on the rim. Would you approve a program of stripping this entire rim between these radioactive exposures with a tractor. If the stripping exposes a body or bodies of significant radioactivity; then drill one line of holes behind the rim 150 feet back from where significant mineralization is found and another parallel line of holes 200 feet back from the first line of holes, the holes to be spaced 100 feet apart along each line.

If no significant mineralization is found by stripping the rim, then drill two lines of holes spaced 200 feet

apart with holes spaced 100 feet apart along the lines from the rims where the low-grade ore exposure is shown to a point about 1100 feet from the rim in a northwest direction, paralleling your recommended line of holes.

Then along the northeast side of the northwest ~~trenching~~ TRENDING draw in the west central part of the property strip the radioactive rim with a tractor. If the stripping exposes a body or bodies of significant mineralization, drill holes behind the rim as described for the south rim stripping. If no significant mineralization is found along the rim, then drill two parallel lines of holes in an east-west direction about 1000 feet long spaced 200 feet apart, the north line to extend from the east rim and pass through your drill hole B-28 and the other line to be 200 feet south, the holes along the line to be spaced 100 feet apart.

All the drill holes except two core-drill holes, one in the south area and one in the north area, shall be drilled non-core.

Whelan: The rim stripping is to be done as one stage.

Knouse: Yes and no. The stripping along the south rim shall be done before the holes are drilled between the north and south rim stripping and the stripping along the draw shall be done before any holes are drilled north of that rim.

Whelan: I will have to discuss this with the people here but I think they will approve it. We will wire soon of our decision.

Knouse: We are mailing to you for execution Consent to Lien and Subordination Agreements which should be executed and returned to us at the earliest possible date.

Whelan: I shall tell them about the agreements. Many thanks for your call.

Knouse: We will be awaiting your answer.

F. L. Knouse

F. L. Knouse

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/18	Knouse	700
"	Ellis	700
	Porter	140
	[illegible]	100
4/22	[illegible]	220
		700

APR 22 1957

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Gentlemen:

There are enclosed eight copies of Form MF-205, Consent to Lien and Subordination Agreement, that you should have executed by all the landowners of Section 110, Block B-1, in Briscoe County, Texas, and also by any other parties who have an interest in the land, e.g., mortgagee, or anyone who retains an overriding royalty interest on production. If there is a lien on the property, the name of the lienor and the amount of said lien should be shown in item 4 of the above agreement.

As soon as the agreement is executed, please return the original and five copies of the agreement to this office.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FIKnouse/gla
Enclosures
4-18-57

cc to: Admr.'s Reading File
Code 700, Mr. Knouse
THKiilsgaard, 5224
DMEA Field Team, Region IV (2)

RECEIVED
APR 18 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

8623

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator [redacted]
Docket No. DMEA-[redacted]
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

Extra copy

To the United States of America:

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

[redacted]

_____,
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.)

_____

_____

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: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

_____ [Seal] _____ [Address]

Clyde Cook

_____ [Seal] _____ [Address]

Clyde Cook

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [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]

[redacted]

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
P. O. BOX 136
ROLLA, MISSOURI

OFFICIAL FILE COPY
DMEA
RECEIVED APR 22 1957

DATE	INITIALS	CODE
4/22	C	220
"	[illegible]	700

April 18, 1957

Memorandum

To: C. C. Knox, DMEA, Joplin, Missouri

From: Robert W. Geehan, Chief, Division of Mineral Technology, Region IV

Subject: Your memorandum of April 15 to Robert King regarding DMEA-4312

The carbon of the subject memo has been read with considerable interest. As we do not have the technical reports no opinion can be formulated here on that phase of the work. However, it is my opinion that in instances such as this where there is, as you say, an honest difference of opinion at an informal stage of the progress of an application, you should not hesitate to call on the Bureau of Mines member of the Operating Committee for aid, advice, or to set up a conference.

As an ex-member of the Operating Committee I can say that too often such telephone exchanges as the one you report were known only by the DMEA member, which may have led to Operating Committee approval of some formal document without proper discussion. Unless the rules have been changed since my period of service, only the Operating Committee can transmit formal requests for action by the Field Team; informal 'phone conversations should seldom generate a controversy needing adjudication by the Administrator.

My advice is to keep the Bureau and Survey members of the Operating Committee fully informed and to force controversial questions into formal channels, remembering, of course, that only the DMEA proper has any jurisdiction over the actual contract negotiation.

Best regards - we are looking forward to seeing you on the 30th.

/s/ Robert W. Geehan
Robert W. Geehan

Copy to: F. D. Lamb - Washington, D. C.
C. O. Mittenderf - Washington, D. C.
L. T. McElvenny
Div.Off.-Rolla
Files

OFFICIAL FILE COPY
DMEA
RECEIVED APR 19 1957

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IN REPLY REFER TO:

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

Memorandum

April 18, 1957

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

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

Subject: Review of field examination report, DMEA 4312, (uranium) Briscoe County Uranium Co., Rattlesnake mine, Briscoe County, Texas.

As a result of field examination, the Field Team concludes that exploration work on the applicant's property would have a good chance of discovering significant amounts of uranium ore. As a result, they recommend approval of a DMEA contract that would provide for a total of 8,500 feet of core and non-core drilling and 3,000 cubic yards of rim trenching. Total cost of the entire project is estimated at $19,400.

The Field Team proposes that the work be set up in two stages. Stage I would consist of three parallel 'fence' lines of holes and 10 bulldozer trenches. Stage II would consist of about 80 additional holes to be used to offset favorable Stage I holes.

A modification of the Field Team's work arrangement has been suggested by the Rare and Miscellaneous Metals division and the Operating Committee, DMEA. The proposed alterations are an effort to reduce some of the high risk, 'long-shot' aspects of the proposed work. Changes in the Field Team's proposal might be, 1) perform some rim trenching along the low grade ore exposures at the south central part of the property, 2) perform rim trenching along the draw at the west central part of the property, 3) drill two shorter fences of holes near proposed holes nos. 16 to 22; and two short fences near proposed holes nos. 1 to 5. The fences would be 200 feet apart with holes on 100 feet centers within the lines. If the rim trenching is locally successful, perhaps a small part of the drilling could be diverted toward further exploration of the favorable rim exposures; however, work of this type should be done cautiously and only with approval of the Government. Too much drilling close to the trenches would probably outline the local deposit but would not give adequate information on mineralized trends across the property, which was one of the main objectives the Field Team had in mind when they recommended approval of the project.

If the modified plan is adopted, and, for the purpose of estimating drill hole depths, it would be advisable to bottom the holes at about 1,890 elevation. That depth would allow the holes to be bottomed about 10 feet below the potential ore zone.

I believe that while the modified plan would not thoroughly explore all parts of the property, the work would afford a good basis upon which the property could be evaluated as to its ore-producing potentialities. I concur with the Field Team's recommendation for approval of a DMEA contract to perform exploration work on the property with the possible modifications as outlined above.

W. P. Williams

W. P. Williams

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

Box 431
Joplin, Missouri

OFFICIAL FILE COPY
DMEA
RECEIVED APR 19 1957

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AIRMAIL

April 15, 1957

Memorandum

To: Robert King, USGS, Denver

From: C. C. Knox, DMEA, Joplin

Subject: Phone call 10:00 a.m. today from Knouse, DMEA Uranium Committee, Washington, D. C.; re: Application DMEA-4312, Briscoe County Uranium County, Quitaque, Texas

Following up the April 2 phone call to you when here during my vacation and your April 4 letter to DMEA, Knouse called again this morning outlining on behalf of the Uranium Committee of DMEA its alternative exploration proposal which had been formulated in Washington. Differing in several respects from the project proposal recommended in our joint Field Team examination report of March 19, that Committee has decided that only a definite program limited strictly to "exploration" would be justifiable.

As I understood over the phone(although not indicated in any written Committee reviews or in the letter of referral of last July 13), "Stage I" work under this suggested contract should consist essentially of only bulldozer trenching near the four radioactive rim exposures depicted in the south-central part of our map and the one in the southwest corner. "Stage II" primarily should include only wagondrilling of justifiable staggered sections of holes inby any significant ore exposed in the "Stage I" trenches but in any case not to extend farther northward than our proposed hole 17 location (except that the proposed line of holes 17 through 22 should be moved about 200 feet northeastward). As I understood Knouse, our recommended locations for rim cuts 1 to 7, holes 1 through 16, and 23 through 33 were construed as "prospecting" on reviewing our report in Washington.

While it must be appreciated that the conclusions of that Committee evidently were based largely on the engineering and geologic reasoning in our report and the application material, whatever shortcomings there might have been in those presentations, I still am not

prepared to foster any deviations from the recommendations of the Field Team. Because the Applicant's considerable prospecting evidence clearly inferred a widespread ore-bearing bed with major axes of the more significant inferred ore lenses indicated to trend north-northeastward approximately through our proposed hole locations 2, 16 and 27, I still fail to see how our recommended project work should be construed merely as "prospecting". Also, on any comparable explorations, I doubt that wagon drilling has proved less costly and more satisfactory than rotary drilling, and certainly not inthis locale where drillers are familiar only with techniques of the latter.

Having made the requested Field examination, obtained from the Applicant maps and other supplemental items listed in the July 13 referral letter, and the Applicant's tentative agreement to the Field Team's suggested alternative exploration method and costs, and finally having prepared and submitted our report and recommendations to the best of our ability, I contended that the Field Team at considerable cost to the Government has fulfilled all its required functions on this particular application. To obtain the Applicant's agreement to other project methods or stipulations than those endorsed by the Field Team for any proposed contract that might be offered, I suggested that the Washington Office of DMEA henceforth deal promptly and directly with this Applicant. Otherwise it should issue a denial as soon as possible. I expressed the opinion that it would be less costly now for the Washington Office of DMEA to prepare the project contract it desires to be offered for the Applicant's signature of acceptance, instead of again working through the Field Team to obtain the desired further revisions of the application or the new tentative commitments of the Applicant.

It seemed to me that at least in this case the Field Team has been fumbling in darkness on the sort of contract that might be acceptable under the present DMEA policy despite some enlightenment recently given in DMEA Memorandum No. 35. I think at least an honest difference of opinion has arisen here. In closing, we mutually agreed that this matter immediately should be referred to Mr. Mittendorf.

Knox

CCK/jd

Clinton C. Knox

cc: Mr. Mittendorf
Mr. Knouse
DMEA Op.Com.(2)
4312 file
Knox

Ellis

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

April 15, 1957

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Telephone conversation with Clinton C. Knox today
Joplin, Missouri
Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Knouse: We have studied over your recommended exploration for Briscoe County Uranium Company property and feel that the drilling and part of the trenching is too much in the nature of prospecting for DMEA participation.

If you could get the map that is attached to the Field Team report, which shows the recommended work, I will describe the sort of a program that I feel would be approved.

Knox: I have the map before me but I understand that you and Williams of the USGS talked with King while I was away on vacation, and judging from King's memorandum to Washington he feels the program submitted in the Field Team's report should be followed. Also, I am not a geologist, therefore, am not able to evaluate the geological justifications of some of the work. King left for Denver Thursday and I have no one here to make any change in the program that involves geological questions.

Knouse: As explained, it has been determined here that a substantial part of the drilling and some of the trenching is too much in the nature of prospecting for DMEA authority and cannot be approved. This is a policy determination and not a geological question. The purpose of my call is to describe the sort of a program that could be approved so that you could make the necessary modifications and forward the necessary information with detailed

costs, so that a satisfactory contract can be drafted.

Knox: I suppose this is Williams proposed modification of the program? I would accept King's geological recommendations over William's any time.

Knouse: The modification in the program that I planned to describe to you have been approved not only by the commodity members of the USBM AND USGS, but also have the approval of the Operating Committee. Therefore, no personalities are involved in the recommended modification.

Knox: It is my understanding, after the Field Team submitted its report, it was the responsibility of the Washington office to negotiate directly with the applicant provided it was decided to modify the recommended program.

Knouse: That is not the practice, when a modification appears in order we either write or call the Executive Officer and explain the reasoning for the denied modification, so that the Field and the Washington office can have a meeting of the minds. Also, all exploration programs should be agreed upon by the Field Team and applicant in order to simplify contract administration.

Knox: That has not been my understanding, we feel the recommended program to explore the property is satisfactory. If it is to be changed you should negotiate the change direct with the applicant. I am unable, with all of my other duties, to make changes in the various recommended DMEA proposals. If I am wrong in my understanding of the duties of this job please ask Mittendorf to set me on the right track. Also, you should contact the applicant direct for any changes you wish to make in our recommended program.

F. L. Knouse

F. L. Knouse

FLKnouse/dlm 4-17-57
cc to: Mr. Knouse

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[illegible] April 9, 1957

[illegible] No. 4312
[illegible]
[illegible] Uranium
[illegible] Briscoe County Uranium Co.
[illegible] Rattlesnake mine
[illegible] Briscoe County, Texas
[illegible] $215,917.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Alternate Member
Uranium Commodity Committee

~~Application~~ Field Team Report

[illegible]

[illegible] 3/19/57 [illegible] 4/9/57

[illegible] known to [illegible] Yes [ ] No [ ]

[illegible] known to [illegible] Yes [ ] No [ ]

[illegible] production Yes [ ] No [ ]

[illegible] to reviewers: Yes [ ] No [ ].

[illegible] of ore:

[illegible] for alteration:

[illegible] [ ]
[illegible] [ ]
[illegible] [illegible] [ ]
[illegible] [ ]

c. Proposed application revised [ ]
f. Alternate application revised [ ]
g. Costs [ ]
h. _____ [ ]

[illegible]:

a. [illegible] information from applicant [ ]
b. Refer to Field Team [ ]
c. [illegible] [ ]
d. [illegible] with Field Team [x]
e. Confer with Mr. _____ at _____ AEC office.

c. Discuss with Field Team [ ]
f. Suggest alternate plan [ ]
g. Request further information [ ]
h. Approval [ ]

[illegible] (Use back of page if necessary)

Rim stripping appears advisable for Stage I followed by drilling behind rim where significant uranium mineralization is found.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Box 431
Joplin, Missouri

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Krause | 700
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April 4, 1957

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-4312 (uranium)
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas

Dear Sirs:

This is in reply to your request by telephone, April 2, 1957, wherein suggestions were made regarding possible changes in the exploration project recommended by the Field Team in their examination report of March 19, 1957 on the subject docket.

The conclusion that there is a probability that significant uranium ore bodies exist on the Saul Ranch is based on three major premises, namely: A commercial grade uranium deposit has already been exposed on the Property; several scattered radioactivity anomalies have been mapped; and the lithology of the host rocks is favorable for the occurrence of uranium. Another factor that bears favorably on this matter in a general way is the occurrence in nearby localities of commercial grade uranium deposits in sedimentary rocks of the same age and type. Also, the U. S. Atomic Energy Commission has expressed to us their interest in the property.

Justification for the recommended exploration is based on the elongate flat-lying lens-shaped character of the bedded carnotite type deposits in the sedimentary rocks, a north-northeastward trend of the inferred mineralized area, and an inferred north-northeastward trend of individual ore bodies.

The pattern and spacing of holes was designed so as to concentrate exploration normal to the inferred trend of ore bodies thus providing the best chances to intersect a maximum number of deposits. On a purely statistical basis however, the spacing of holes is probably greater than optimum for the size of ore bodies expected, but drill holes can be more closely spaced in subsequent

stages if the preliminary drilling is successful. It is not expected that such preliminary drilling will discover more than a small fraction of the buried deposits and for that reason the amount of drilling relegated to subsequent stages exceeds the first stage. Neither is it expected that the largest and best ore bodies are to be found at or adjacent to rim outcrops, therefore an alternative exploration program to expose by trenching radioactive rim anomalies to be followed by drilling behind such exposures is not recommended. Such drilling probably would have to be relatively close spaced-possibly 50-foot centers or less. It would be difficult to justify further drilling (after such rim deposits were delimited) behind a line of barren holes.

The effectiveness of the recommended trenching probably can be improved by shifting the location of some of the trenches numbered 1-7 into the area of known radioactivity anomalies north and northwest of the Bench cut. However, some of the trenches ought to be left at their present approximate locations to explore the favorable sandstone beds in that area. Trenches 1 to 7 although not shown in relation to known radioactive outcrops are located where radioactivity would be likely to occur if the sandstone beds were not covered by debris from overlying formations.

Very truly yours,

Robert U. King

Robert U. King
Acting Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op. Com
King,USGS,Denver
4312 file

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

April 2, 1957

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Joint telephone conversation by F. L. Knouse and W. P. Williams, USGS, with Robert U. King, USGS, ~~Denver.~~ Joplin, MO.
Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Williams: We have been discussing DMEA-4312, Briscoe County Uranium Company project. There are several questions concerning the recommended work that we wonder if you could answer.

Could you explain in more detail than is in the Field Team report why the three lines of holes 1,000 feet apart, with holes spaced 200 feet apart along the lines, were recommended?

King: The Applicant states there is a northeast trend to the ore bodies and these lines of holes are laid out to intersect the mineralized trends.

Williams: The size of the ore bodies, as described in the Field Team report, is 4 inches to 4 feet thick and are 100 feet long. Do you expect that 200-foot spaced holes along the drill-hole lines will serve to explore such sized ore bodies?

King: Probably the hole spacing is too great to find the maximum sized known ore bodies in the area and should be reduced to about 150 feet. However, I understood that DMEA policy would not permit such close spacing.

Knouse: I notice on your map that there is shown a radioactive area on both sides of a northwest trending draw which is about 2,000 feet long. Did you fellows walk the draw and check the area for radioactivity?

King: No, we took three or four observations only along the draw, one at the northwest end and two or three near the southwest end. However, the Applicant reported radioactivity in the areas as is shown on the map.

Williams: What was the radioactivity at the exposures you visited compared to background?

King: Two to five times background.

Knouse: Was the radioactivity checked at the locations of the recommended trenches?

King: Only the two trench locations in the draw, and the radioactivity was two or three times background.

Knouse: What would be your reaction to a program of rim stripping of the most radioactive areas to expose the extent of the mineralized rim for Stage I, followed by a drilling program behind the rim where ~~a~~ significant mineralized ~~vein~~ areas are ~~is~~ exposed for Stage II. The holes should be drilled on a grid (staggered spacing) spaced so the holes will penetrate the size ore bodies you expect to find in the area.

King: Possibly some of the trenching proposed along the rim south of the draw is unnecessary and more trenching should be done along the indicated radioactive ~~vein~~ zone in the draw, but I feel that the line of holes should be drilled if significant uranium deposits are to be found on the property. The hole spacing probably should be shortened to 150 feet. I understand you are thinking of staying with the ore and working from known exposures but think, in this case, that we should drill the line of holes to explore for the northeast mineralized trends.

Knouse: Please give some thought to the modifications we have discussed and send us a memorandum as a supplement to the Field Team report, setting forth your recommendations and comments. If you recommend a modification of the program, we will require the necessary maps which show the change in the work to be done as well as the revised cost estimate.

Have you submitted a Consent to Lien and Subordination Agreement to the Applicant for the landowners and mortgagee to execute?

King: No. We expected your office to handle that problem.

Knouse: We will prepare and forward these to the Applicant.

Many thanks for all your information, and I hope to hear from you soon on this project.

King: We will prepare our comments and forward them at an early date.

F. L. Knouse

Copy to: W. P. Williams, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~XXXXXXXXXXXXXXXXXX~~
Box 431
Joplin, Missouri

March 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE
3/27	C	220
3/28	[illegible]	700

Mr. Ernest E. Thurlow
Manager
Denver Area Office, A.E.C.
P. O. Box 7647, Lakewood Branch
Denver 2, Colorado

Re: Docket DMEA-4312 (uranium)
Briscoe County Uranium Co.
Rattlesnake mine,
Sec. 110, Blk. B-1
Briscoe County, Texas

Dear Mr. Thurlow:

Enclosed for information of your office is a copy of the joint Field Team Examination Report on the subject prospect in Region IV.

It is our understanding that the DMEA reports are kept in closed files by A.E.C.

Sincerely yours,

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.

cc: DMEA Op.Com.(2)
King,USGS,Denver
4312 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

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RECEIVED MAR 27 1957

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"	Knox	700

March 25, 1957

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-~~4312 (uranium)~~
Briscoe County Uranium Co.
Rattlesnake mine
Briscoe County, Texas

Dear Sirs:

Submitted herewith are the original and three copies of the joint Field Team Examination Report and our revised maps on the cited application proposal.

The Field Team is in accord on the recommendations regarding the provisional two-stage alternative exploration program detailed in the report.

For your possible use, nine extra prints of our map (Fig. 2) are being mailed under separate cover.

As you instructed January 30, one copy of the report and maps is being furnished directly to Mr. Ernest E. Thurlow, Manager, A.E.C., Denver Area Office, Box 7647, Lakewood Branch, Denver 2, Colorado.

Sincerely yours,
Clinton C. Knox by jd
Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

Encl. 4

cc: DMEA Op.Com.(3)
Mr. Paul Whelan, Lubbock,Tex(2)
King,USGS,Denver(2) w/2c rep.
Thurlow, AEC, Denver w/c rep.
4312 file
Knox

Reviewed by
DMEA OPERATING COMMITTEE
4-1-57
(date)

ON-SITE EXAM. REPORT

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

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FIELD TEAM EXAMINATION REPORT

on

Rattlesnake Mine (Saul Ranch)
Briscoe County, Texas

by

Clinton C. Knox, Mining Engineer, U. S. Bureau of Mines
and
Robert U. King, Geologist, U. S. Geological Survey

Application Docket, DMEA-4312 (uranium)
Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

March 19, 1957

SUMMARY AND CONCLUSIONS

Uranium was discovered by the Saul Brothers on their ranch in Briscoe County, Texas in the spring of 1955. The secondary uranium-vanadium minerals were found in a gray highly calcareous sandstone of the Dockum group of upper (?) Triassic age, in sections 110 and 113, Block B-1, Briscoe County, Texas.

A limited amount of drilling and some mining has been done by the Applicants on its section 110 lease. Depth of holes drilled ranged between 26 and 120 feet. Radiometric logs on 31 of these holes were supplied to the Field Team. This work indicates that ore occurs

Reviewed by
DMEA OPERATING COMMITTEE
4-1-57
(date)

in lenses from a few inches to four feet in thickness and up to 100 feet in length. The results of the drilling to date and the number of radioactive outcrops indicate a good chance of significant amounts of uranium ore being found on this property.

Drilling of approximately 113 holes and bulldozing 10 trenches at an estimated cost of $19,400 would be required in a two-stage project, suggested in this Field Team examination report, to sample and determine the extent and continuity of the uranium-bearing bed. Holes would vary from 30 to 140 feet in depth with an estimated average of 75 feet.

RECOMMENDATIONS

The examining team recommends that the application be approved on a modified basis for a DMEA project contract allowing for a maximum of 8,500 feet of core and non-core drilling and 1,000 linear feet of trenching on rimrock prospects in a two stage exploration program with details and estimated costs as suggested in the last pages of this report.

INTRODUCTION

An application for DMEA assistance in the amount of $215,917 was received from the Briscoe County Uranium Company on May 28, 1956. This application called for exploration on Section 110 located on the Saul Ranch in Block B-1, Briscoe County, Texas.

After referral to the Field Team on July 13, 1956 a preliminary examination of the property was made on July 25, 1956 by Knox in

company with Mr. Paul Whelan, a representative of the Applicant, and Mr. Clyde Saul, one of the landowners. A preliminary examination report was submitted by Knox on August 21, 1956. A second examination of the property was made on September 11 by King in the company of Knox and with Mr. Clyde Saul.

Late that afternoon, King and Knox met with Messrs. Paul Whelan, Doyle Saul and Dick Garner at the home of the latter in Plainview, Texas and reiterated the necessity for the Applicant to comply with the requests for pertinent data in the DMEA letter of June 6, 1956, as further had been explained to Mr. Whelan by Knox during the July 24 preliminary examination.

Material submitted to the Field Team October 2 by Mr. Whelan was returned with an explanation of its inadequacy. On October 24, the Washington Office of DMEA furnished the Field Team copies of an A.E.C. Summary report on the Rattlesnake prospect. In Denver on November 14, Mr. Whelan met with King regarding the Field Team's suggested alternative project proposal and then submitted the revised data and a better map for a "Stage I" program on November 18; also realistic-appearing bids from three drilling contractors(copies furnished DMEA with Knox's November 23 letter). A draft of this joint Field Team examination report was received from King January 11, 1957. During telephone calls to Knox on February 16 and March 9 Mr. Whelan indicated that the Field Team's suggested alternative project proposal and recommended contract stipulations and cost maximums formulated herein would be acceptable to the Applicant.

In the revised application data and map dated November 18, 1956, averaging the drilling bids the Applicant estimated the cost of the first stage of a two-stage exploration program to be $10,140, but did not estimate the cost of the second stage of exploration. Projecting the unit costs submitted by the applicant, the cost of the second stage would amount to about $11,700, or a total for the revised application of $21,840.

LOCATION AND ACCESSIBILITY

The Applicant's lease which includes only the 640 acres of section 110, Block B-1, Briscoe County, Texas, is part of the Saul Ranch. It is 8 miles east and 5 miles south of the town of Silverton, the county seat (fig. 1). The property is reached by following Texas highway 86 southeast for 8-1/2 miles, then by following a ranch road south for 2-1/2 miles.

The property is at the break of the plains where erosion has cut deeply through the Teritary sedimentary rocks of the Great Plains and has exposed the Paleozoic rocks of the Central Lowland. Sharp, narrow canyons 100 feet deep, between relatively flat-topped buttes characterize the topography; relief amounts to about 300 feet.

The country is semi-aird, and no permanent streams exist on the property. Although cedar, scrub oak and pine cover canyon bottoms and north slopes, timber for mining is not available in the immediate area. Low-voltage electric power is available at the Saul Ranch house. Labor and materials not available at Silverton or Quitaque would probably be obtained in Lubbock or Amarillo.

HISTORY AND PRODUCTION

Uranium was discovered on the Saul Ranch during the spring of 1955. Discovery was made by the Saul brothers, Clyde and Doyle, owners of the ranch. A reconnaissance examination was made of the property by A.E.C. personnel in the summer of the same year. Intermittent mining and prospecting have since been undertaken on the property.

Two shipments have been made from the Saul Ranch. The first shipment consisting of 19.41 dry tons was made to the Bluewater Mill of Anaconda at Bluewater, New Mexico late in 1955 by other leasers while driving the adit in section 113. That shipment assayed 0.05 percent U_3O_8 and 0.04 percent V_2O_5. No work has been done there since. The second shipment of 11.93 dry tons was received from this Applicant by the buying station at Grants, New Mexico, operated by Lucius Pitkin, Inc. (ore buyers for the A.E.C.) and assayed 0.20 percent U_3O_8, 0.03 percent V_2O_5, and 44.6 percent $CaCO_3$. This second shipment was from the Rattlesnake mine, a bench cut near the center of section 110 (fig. 2), in March 1956. Virtually no work has been done there since.

A number of holes were drilled by the Applicant ranging in depth from 26 to 120 feet. Thirty-one of these holes were logged radiometrically by R. B. Stroud of the A.E.C. Seventeen of these holes showed significant radioactivity (twenty times background or over). These logs can be taken as only an indication of radioactivity because no chemical assays were made to compare with radiometric logs.

In addition the holes were logged several weeks after the holes were drilled and there is some possibility of radon gas contamination in some of the holes.

THE APPLICANT AND PROPERTIES

The Applicant, Briscoe County Uranium Company, is a partnership organized in the State of Texas to search for and mine uranium and other metals. The partnership is composed of Dick Garner, Plainview Texas; Jack H. Dixon, Eagle Lake, Texas; Vernon Bradley, Clovis, New Mexico; and Doyle Saul, and A. V. Wilson of Silverton, Texas. Because these men have had little or no experience in exploration or mining, they have retained Mr. Paul Whelan, Consulting Geophysicist, to manage the interests of the partnership.

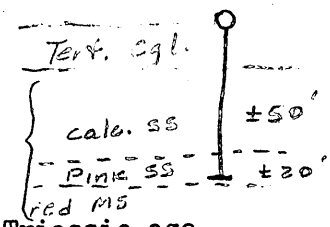
The Applicants have obtained a lease on Section 110, Block B-1 which is part of the Saul Ranch. In addition to the radioactive shows on Section 110, an adit was driven by other leaseholders on a radioactive show on Section 113 which lies immediately north of Section 110 (fig.1).

Should this project prove successful, it would probably lead to further exploration on the Saul Ranch and vicinity. Since one of the Saul brothers is a partner in the Briscoe County Uranium Company, possibly contiguous sections eventually could be included under the proposed project, contract. One of the landowners indicated that there is a mortgage against the ranch.

The first impression of the Applicant, its technical representative, and much of the other information given by Knox in the

Preliminary Examination Report of last August 21 are still believed to be substantially correct and are not repeated herein.

The Applicant failed to evidence ownership to much of the equipment listed in the application, and with the possible exception of the old D-6 Caterpillar bulldozer and jeep owned and operated by Mr. Clyde Saul, none was considered by the Field Team as applicable for the work recommended on this project.



GEOLOGY AND ORE DEPOSITS

Flat-lying sedimentary rocks of Tertiary and Triassic age crop out in the vicinity of the Saul Ranch in Brewster County, Texas. The Tertiary rocks that form the "Cap Rock" are eroded from all but two isolated localities in the western part of the property (sec. 110). They consist of light colored conglomerate, sandstone, and siltstone and are in general poorly consolidated; they belong to the Ogallala formation. No uranium deposits are known to occur in the Tertiary rocks in this area.

Underlying the Tertiary beds and occupying most of section 110, are the "red beds" of Triassic age that consist of gray to red sandstone and red shale. They form the cliffs, benches, and floors of the sharp canyons that characterize the area - the boundary between the Great Plains and the Central Lowland provinces. Red mudstone and claystone is the lowest exposed rock unit in the canyon adjacent to the Rattlesnake mine in the center of the section (fig. 2). This unit occupies the bed of the canyon and the lower 20 feet of the

walls. Overlying the red mudstone is a massive, fine-grained pink sandstone which in places is as much as 20 feet thick. The upper 50 feet of the canyon wall and the relatively flat benches on either side are made up of arkosic, corssbedded, calcareous, gray to buff sandstone that contains beds up to 4 feet in thickness of clay-pebble conglomerates and carbonaceous trashy zones.

Deposits of secondary uranium-vanadium minerals recently have been discovered in gray calcareous sandstone of the Dockum group of upper (?) Triassic age, along the canyon rims in sections 110 and 113, block B-1, Briscoe County, Texas. The known deposits are for the most part restricted to carbon-rich zones in the upper arkosic sandstone unit that contain much fossil woody material, clay pellets, and gypsum. They form flat-lying lens-shaped bodies, from a few inches to 4 feet in thickness and up to 100 feet in length.

The uranium minerals have not as yet been identified, but the yellow incrustations and impregnations resemble carnotite or uranophane.

Uranium deposits of a similar nature occur north of Post, Garza County, 70 miles to the south, and on the Mansfield Ranch in Oldham County, 80 miles to the northwest of the Applicant's property.

The Rattlesnake mine, an open cut along the northwest rim of a major canyon near the center of section 110, is excavated in a trashy zone in the gray sandstone unit, about 10 feet above the

contact with the underlying massive pink sandstone. The cut exposes gray calcareous sandstone containing a 4-inch to 1-foot limonite-stained carbonaceous trashy zone that is moderately radioactive for over 20 feet along the face of the cut. An 8-inch channel sample from the face of the cut near drill hole B-11 (fig. 2) assayed 0.14 percent eU and 0.15 percent U. of 30 samples from surface cuts submitted to the U. S. Atomic Energy Commission by the Applicant, four contained over 0.10 percent U_3O_8 by radiometric determinations and the others gave low radiometric analyses. Seven grab and channel samples collected by AEC personnel during May 1956 contained from 0.03 to 0.20 percent eU_3O_8 and from 0.02 to 0.27 percent U_3O_8.

Near the center of section 113 one mile to the north, uranium-bearing sandstone is exposed along the walls of a 50-foot adit as indicated by the previously mentioned first shipment from Saul ranch in 1955. A carbonaceous trashy zone in the upper calcareous gray sandstone unit is weakly mineralized with uranium. Mr. Clyde Saul stated that uranium ore selected from this prospect contained from 0.27 to 0.39 percent U_3O_8. The prospect had been inactive for considerable time prior to the examination. The trashy zone at this locality is 4 feet thick and consisted of sandstone beds interlayered with thin carbonaceous seams. Along the opposite gully wall from the adit, the trashy zone is underlain by 10 feet of massive channel-type sandstone that cuts out

an underlying red mudstone unit. In the vicinity of the radioactive deposit gray to green bleached mudstone lenses occur in the normally red mudstone.

SUGGESTED DMEA PROJECT CONTRACT

Application for DMEA assistance by Briscoe County Uranium Company covers only Section 110 Block B-1. Should this project prove successful, the adjoining sections would benefit also. If and when the Applicant obtains leases on these adjoining sections, they should be included under the contract.

The proposed project would be expected to start within 60 days after date of contract and be completed within 12 months. Actual operating time should not exceed 6 months (estimated).

The work would consist of a maximum of 108 holes or 8,500 feet of drilling and 10 bulldozer trenches with a linear total of 1,000 feet or in all an estimated 3,000 cubic yards of excavating. The work, for the purpose of exploring for uranium deposits, should be in two stages. All work under Stage I should be completed and evaluated, including preparation of adequate geologic maps, before work commences on Stage II which shall be subject to prior written Government approval.

Drilling will be through the upper part of the Triassic Dockum group. Since ore may occur at more than one horizon in the gray sandston unit, holes should be drilled about 10 feet into the underlying beds (pink sandstone and red mudstone). Stage I holes will be located approximately as shown on Fig. 2. Exact location

of holes, size and depth are subject to Government approval. The equipment, method, and procedures for radiometric logging of the holes and also for geologic logging of holes and sampling are subject to Government approval. Engagement of a qualified consulting geologist for technical advice on logging of holes, mapping, organization of the project and periodic reviews of results likewise is to be subject to Government approval.

STAGE I:

A total of 33 holes to range in depths from 30 to an estimated maximum of 140 feet, in all not to exceed 2,500 feet of drilling, at tentative locations shown on Figure 2, and 10 exploratory cuts to be drilled, blasted and bulldozed each averaging about 100 feet in length to expose rim uranium prospects at intervals approximately 500 feet apart as also shown on Figure 2, will comprise the Stage I work.

The tentative hole locations are at 200-foot intervals along three parallel lines 1,000 feet apart. One hole on each line will be core drilled from the surface to a depth not exceeding 100 feet to provide cores for stratigraphic correlation and samples for chemical analyses of any significant uranium indications; non-core drilling of the other 30 holes is to be permitted. All holes are to be radiometrically logged by methods and equipment that meets the Government's approval.

Excavations 8x10x100 feet in size are expected to be necessary for each of the 10 rim cuts or trenches, in all totaling an estimated 3000 cubic yards of which about a third is expected to be overburden and weathered strata easily stripped by bulldozing; the remaining two-thirds in the uranous trashy limestone and sandstone caprock, to require drilling and blasting before bulldozing and cleaning the cuts for detailed mapping and sampling.

Specific locations and depths of the drill holes and rim cuts or trenches are to be subject to modification, or some may be eliminated entirely with the written approval of the Government as results are obtained to the extent necessary to otherwise achieve the project objectives.

Chemical uranium analyses on all significantly radioactive samples shall be obtained from a laboratory acceptable to the Government.

STAGE II:

Drilling of up to 6,000 feet in an estimated additional 80 non-core holes to offset significantly mineralized holes and reasonably delineate inferred ore reserves, will be done in Stage II. Minimum spacing of holes under Stage II will be 100 feet. Drilling of each Stage II hole will be subject to Government approval upon geological justification.

Estimated Project Costs

		Total
STAGE I: (Estimated time required - 3 mos.)		
(a) Independent contracts(or equivalent unit-cost for Operator-performed work)	$	$
Drilling(2,500 feet maximum)		
30 holes, 2,200 feet non-core drilling @	0.95/ft.	2,090
3 " , 300 " AX-size core drilling @	1.55/ft.	465
Roads(about 2½ mi.) and drill sites(33)		
Bulldozing, a little drilling and blasting 50 hours @	12.50/hr	625
10 rim trenches(avg. 10x8x100' or about 3,000 cu.yds.)		
3,000 cu.yds bulldozing @$0.50/cu.yd. or 120 hrs. @	12.50/hr	1,500
2,000 " " drilled and blasted @$1.25/cu.yd. or 200 hrs. @	12.50/hr	2,500
(incl. miscellaneous blasting supplies)		
(b) Labor-none Supervision, surveying, geologic mapping, hole probing, logging, sampling and organization		
1 - Project Engineer-Geologist 3 mos. @	500.00/mo.	1,500
1 - Consulting Geologist 2 da./mo.(3 mos.) @$100/da. incl. expenses		600
(c) 6 doz. sample sacks @$5 - 5 core boxes(AX-size) 50" cap.@$10		80
Mileage allowance for Project Supervisor car 1,000 mi./mo. @$0.07		210
(d) None		
(e) None		
(f) None		
(g) 100 assays @$5 ea.		500
Liability Ins. and payroll expenses for employing Project Supervisor		230
Estimated Stage I Total		$10,300

Estimated Project Costs - Cont'd

		Total
STAGE II: (Estimated time required - 3 mos.)		
(a) Independent contracts		
Drilling		
6,000 ft. non-core drilling @	$0.95/ft.	$ 5,700
Some access roads and an estimated 80 drill hole sites		
Bulldozing 40 hrs. @	12.50/hr.	500
(b) Labor - None		
Supervision, technical control and final report preparation		
1 - Project Engineer-Geologist, 3 mos. @	$500/mo.	1,500
1 - Consulting Geologist 2 da/mo.(3 mos.) @	$100/da.	600
(c) Mileage allowance for Project Supervisor's car 1,000 mi./mo. @	0.07	210
(d) None		
(e) None		
(f) None		
(g) 80 assays @	5.00 ea.	400
Liability Ins. and payroll expenses for employing Project Supervisor		190
Estimated Stage II Total		$ 9,100

Recapitulation:	Unit Cost	Total
STAGE I: - 2,500 ft. drilling @	$ 1.02	$ 2,555
Bulldoze roads and sites	0.25	625
Technical supervision and consultation	0.49	1,230
Supplies and car expenses	0.08	170
Chemical analyses of core and cutting samples	0.08	200
Estimated total Stage I drilling costs	$ 1.92/cu. yd.	$ 4,800
3,000 cu. yds. rim trenching @	$ 1.33	$ 4,000
Technical supervision and consultation	0.37	1,100
Supplies and car expenses	0.03	100
Chemical sample analyses	0.10	300
Estimated total Stage I rim trenching	$ 1.83/ cu.yd.	$ 5,500
STAGE II: - 6,000 ft. drilling @	$ 0.95	$ 5,700
Bulldoze roads and sites	0.08	500
Technical supervision and consultation	0.38	2,290
Car expenses	0.04	210
Chemical sample analyses	0.07	400
Estimated total Stage II costs	$ 1.52	$ 9,100
Estimated total project costs.....		$ 19,400
Government's 75 percent.....		$ 14,550

*****

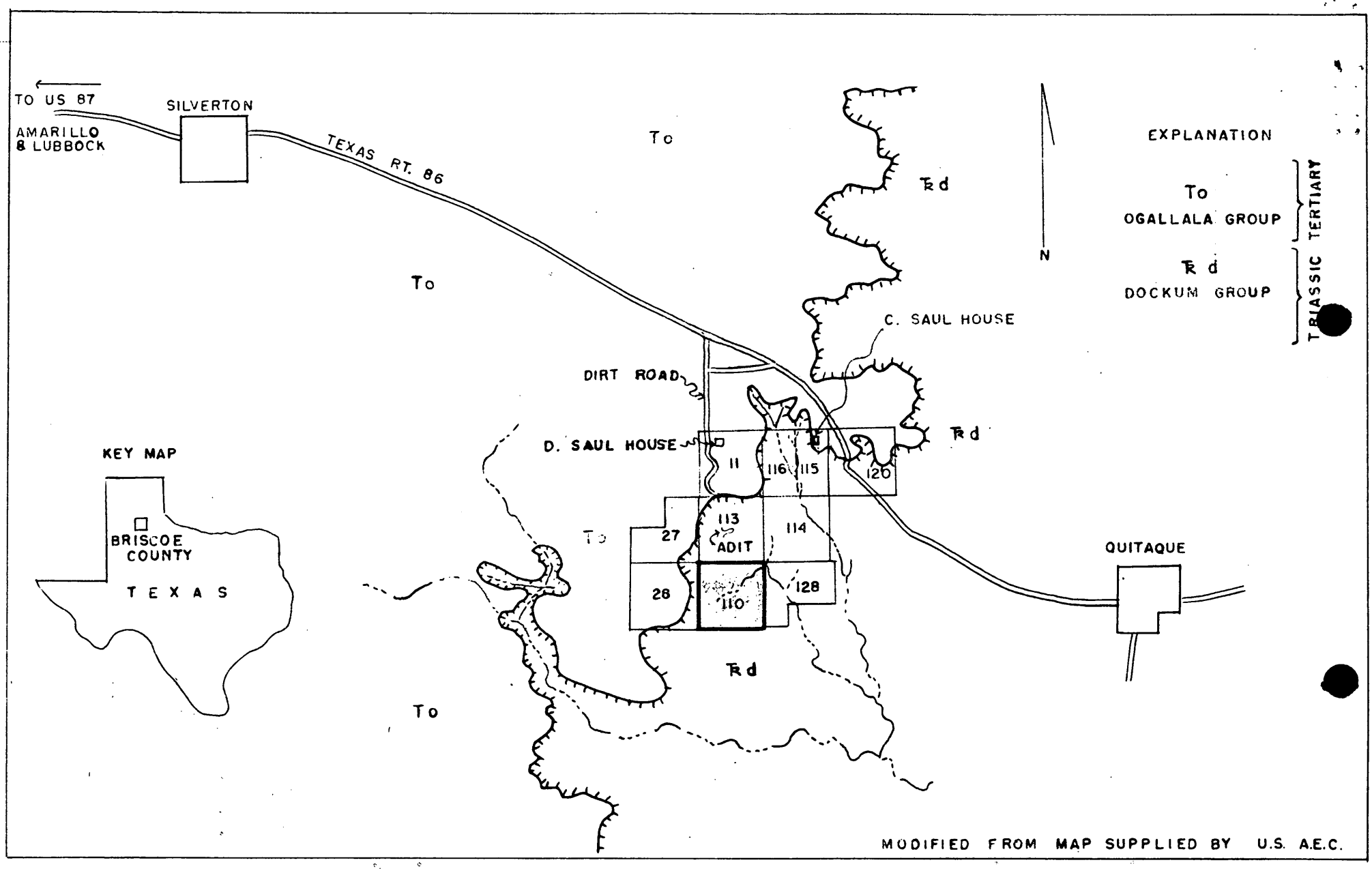


Figure 1.- INDEX MAP

Showing Geology of part of Briscoe County, Texas- and

Location of Saul Ranch (Rattlesnake Mine) Briscoe County Uranium Co. - Docket DMEA 4312

SECTION 110, BLOCK B-1

0 1 2 3 4

SCALE IN MILES

KING 1-9-57

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 27 1957

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

March 11, 1957

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DMEA
RECEIVED MAR 18 1957

DATE	INITIALS	CODE
3/13	C	
11	~~[illegible]~~	220
		700

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Washington 25, D. C.

Re: Docket No. DMEA-4312(Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Selfridge:

This is in reply to your letter of March 8 regarding the Field Team report on the subject application which I had expected to submit to you in January.

I regret to say that completion of this report has been delayed unduly. Mr. John W. Chester, Mining Engineer, following transfer last week from the AEC, Exploration Branch, Grand Junction to this office of the Bureau of Mines, has received some orientation on DMEA work is taking over the job of completing that report for me since he is now acting as the Bureau Member of the Field Team.

Upon receiving the draft of the geologic section and recommendations January 10 from the Survey Member, I outlined the suggested alternative exploration program to the Applicant's representative Mr. Paul Whelan, Lubbock, Texas during his telephone call to me. He also called me three weeks ago and again Saturday March 9 regarding the status of the application. I explained that submittal of our report and recommendations unadvoidably had been delayed, but that I would advise him when they have been submitted to you. I hope to be able to submit this joint Field Team report by March 16.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Reg. IV

cc: DMEA Op. Com.
King, USGS, Denver
4312 File

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Kuppe	700
"	Phillips	700
3/8	Selfridge	130
"	Johnson	110
"	Whitenton	100
		220

700

MAR - 8 1957

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
Room 303, Post Office Building
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

Your letter of December 4, 1956, advised that we could expect to receive the Field Team report on the subject project sometime in January. We are interested to learn when we may expect to receive this report.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (FHB)

APPROVED:

O. M. Bishop (FHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (FHB)
Member, Geological Survey

FHKnouse/gla
3-7-57
cc to: Admr.'s Reading File
Operating Committee
Code 700, Mr. Knouse
FHKiilsgaard, 5224

8623

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JAN 11 1957
BUREAU OF MINES
JOPLIN, MO.

January 10, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 14 1957

DATE	INITIALS	CODE
1-14	C	220
1-14	Krom	700

Memorandum

To: C. C. Knox, Executive Officer
DMEA Field Team, Region IV

From: R. U. King

Subject: Field Team examination report.
DMEA 4312 (Uranium), Briscoe County Uranium Co.
Rattlesnake mine (Saul Ranch), Briscoe County, Texas

Enclosed is a draft of the examination report on the subject docket. You will note that sections concerning property ownership and analysis of costs are not included. I trust you will check the figures I have used and will edit this draft in conjunction with final preparation of a joint report as you see fit.

In reply to your memorandum of the 7th regarding DMEA 4211 (Lone Star), I will transmit a draft of the geology section to you by January 11, and follow that with reports on DMEA 4476 and DMEA 4511 by January 20.

With best wishes to you and yours for the New Year.

Robert U. King

Enclosure

RUKing:arh

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

December 11, 1956

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: DMEA-4312 (Uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
and
DMEA-4269 (Uranium)
Big Bend Exploration Company
02 Ranch
Presidio and Brewster Counties, Texas

Mr. Williams, USGS, advised he talked with King in Denver, and King advised that the Geological section of the report on the 02 Ranch project (DMEA-4269) was mailed to Knox during the last week of November, and the Geological section of the report on DMEA-4312 was to be mailed to Knox this week.

F. L. Knouse

F. L. Knouse

cc: DMEA-4269

700

12/6/56

IN REPLY REFER TO:

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

December 5, 1956

Memorandum

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

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

Subject: Review of supplemental information, DMEA 4312, Briscoe County Uranium Co., Saul Ranch Mine, Briscoe County, Texas (uranium).

The applicant has supplemented his application with bids from three contractors for the proposed trenching and drilling, a map showing completed holes, proposed holes and trenches, and mineralized outcrops, and a letter of transmittal containing a brief narrative description of the proposed project.

If any chemical assays have been made of samples from the property they are not mentioned by the applicant.

Inasmuch as the mineralized formation is flat lying or dipping at low angles, it is not quite clear why the applicant proposes a drilling pattern consisting of lines of holes. Perhaps the lines of holes are meant to intersect probable channel trends. If so, such is not stated.

These, and many other questions, could be answered by field examination of the property. I do not believe much more could be gained by requesting more information from the applicant. I recommend that the application be referred to the Field Team for field examination and recommendations.

W. P. Williams

W. P. Williams

12/6/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

RECEIVED DEC 6 1956 D.M.E.A.

December 4, 1956

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

Re: DMEA-4312 (uranium)
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Selfridge:

This is in reply to your November 30 letter regarding the Field Team report on the subject application.

I believe the revised exploration proposal, cost estimates, bids from three drilling contractors, and topographic-geologic map furnished by the Applicant November 18 to supplement the previously submitted application material, substantially complied with requests in my August 31 and October 3 letters to the Applicant. Two copies of each of those documents were furnished you with my November 23 letter; one copy of each was furnished Robert U. King, Geological Survey Member of this Field Team in Denver.

With this new data and the A.E.C. Memo Report you sent us October 24, as soon as time is available from other urgent assignments, I am sure King intends to prepare the Geologic Report of his September 11 Field examination of the subject property.

Then with his geologic recommendations presumably for a modified exploration proposal, I expect to be able to complete preparation of a joint Field Team report properly revising the report of my preliminary examination submitted to you August 21.

I have little hopes, however, that this joint report can be completed and submitted to you until sometime in January 1957, in view of the other urgent work King and I have to do.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.
King,USGS,Denver,w/incl.let.
4312 file

700

FILE COPY

Surname:

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

NOV 30 1956

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

We are interested to learn if sufficient information relating to the proposed project has been obtained to prepare the Field Team report; also, when we may expect to receive said report.

Sincerely yours,

George C. Selfridge
(Eyes)
Chairman, Operating Committee

APPROVED

Frank [illegible] (Eyes)
Member, Bureau of Mines

[illegible] (Eyes)
Member, Geological Survey

FLKnouse/izm 11-30-56
cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

11/29/56

RECEIVED NOV 29 1956 D.M.E.A.

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

Date November 28, 1956

DMEA Docket No. 4312
DMEA Contract No.
Commodity Uranium
Name of applicant Briscoe County Uranium Co.
Name of property Saul Ranch mine
Location of property Quitaque, Texas
Estimated cost of project $215,917.

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: _____. 2. Date received by reviewer: _____.

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

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

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

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

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary) Action deferred pending receipt of field team's recommendation. Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Box 431
Joplin, Missouri

RECEIVED
OCT 29 1956

October 26, 1956

Mr. Robert U. King
U. S. Geological Survey
Denver Federal Center, Building 25
Denver 2, Colorado

Re: Docket No. DMEA-4312 (uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. King:

Inclosed is one copy of the memorandum report by the Atomic Energy Commission received through the Washington Office today, relating to the subject application.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/enn

encl. (2)
cc: DMEA Op.Com. (2)
4312 file

urname copy

700

F I Knouse
Selfridge
Mittendorf

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

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
BriscoeCounty, Texas

Dear Mr. Knox:

Enclosed are two copies of a memorandum report received from the Atomic Energy Commission, through Mr. Joseph O. Hosted, its representative, in connection with the subject application, for your additional information in the Field Team's evaluation of the merits of the proposed project.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JLB)

Enclosures

APPROVED:

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

Thor H. Kiilsgaard (JLB)
Member, Geological Survey

FIKnouse/gla
10-23-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, 3643)with copy
THKiilsgaard, 5224)AEC memorandum
JOHosted, 3210, GSA
Code 700, Mr. Knouse

P. S. The above-referenced report was undated and prepared by R. B. Stroud and J. W. Allison.

R.G.K.

Received from
JOHosted, AEC,
Oct. 22, 1956

COPY MH

DMEA-4312

Summary of Information Concerning
The Rattlesnake Mine (Briscoe County Uranium Co.)
Sec. 110, Blk. B-1, Briscoe County, Texas

R. B. Stroud and J. W. Allison

The property is located 8 miles east and 1½ miles south of Silverton, Texas, in Section 110, Block B-1, Briscoe County, Texas.

Uranium was discovered on the Saul Ranch in August, 1955. An initial shipment of 19.41 dry tons made to the Bluewater mill at Grants, New Mexico, late in 1955 contained but 0.05% U_3O_8 and 0.04% V_2O_5. On March 10, 1956, a shipment of 12 tons was made. This contained 0.20% U_3O_8, 0.03% V_2O_5, and 44.6% $CaCO_3$.

The deposits exposed to date at the property are found in lenses of highly calcareous sandstone in the Dockum group of Triassic age. The lenses contain an abundance of fossil wood and carbonaceous trash, a minor amount of yellow secondary uranium minerals, and range in thickness from 6 inches to 2 feet, and generally are a few feet in length. Only preliminary reconnaissance-type examinations have been made of the property by Commission geologists. There has been no mapping or detailed study of any type made at the property.

Sample information is as follows:

> Thirty samples taken from surface cuts submitted to this office by the owners yielded but four samples assaying radiometrically above 0.10% U_3O_8. Sampling to date indicates that chemical assays of samples from the property are usually equal to or higher than radiometric assay results.

Samples taken during an examination in May, 1956, by R. B. Stroud and J. W. Allison are as follows:

Sample No.	Type of Sample	% eU_3O_8	% U_3O_8	% V_2O_5	% $CaCO_3$
F-32567	6" channel	0.20	0.27	0.07	38.6
32568	12" channel	0.05	0.05	0.06	65.7
32569	12" channel	0.03	0.02	0.10	23.6
32570	Grab	0.04	0.05	0.05	63.9
32571	Grab	0.05	—	—	—
32572	Grab from dump	0.06	—	—	—
32573	10" channel	0.09	—	—	—

(continued)

All of these samples were from a gray- to buff-colored, calcareous sandstone containing abundant carbonaceous material, limonite and gypsum.

Thirty-one non-core holes were logged for the owners on January 12, 1956. All of these holes had been drilled several weeks earlier, thus the reliability of the results is questionable because of the possibility of radon gas accumulation. The owners were to have furnished chemical assay results of drill cuttings from the holes probed so that an evaluation could be made of the logs. To date, no assay data has been received, thus the logs submitted with the owners' DMEA application should be considered accordingly.

10/5/56 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

RECEIVED
OCT - 5 1956

Airmail

October 3, 1956

Mr. Paul Whelan, Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312 (uranium)
Rattlesnake mine
Quitaque, Texas

Dear Mr. Whelan:

Returned herewith is all the material received from you yesterday including photostatic copies of tentative bids from two drilling contractors and four prints of your sketch map.

With reference to my August 31 airmail letter to the Briscoe County Uranium Company (copy of which was sent to you), "copies of bids from three reliable independent drilling contractors were requested". I believe those contractor's letterheads should include their addresses and the dates of their letters should be given.

To be adequate, I believe your exploration map should be on a scale not less than 200 feet to the inch and, of course, geologic features, topographic contours, prospect workings, and locations of the drill holes (with the hole numbers and collar elevations) also shown to scale, are essential for the realistic planning of any sort of exploration program as may be deemed justifiable. Also as suggested under (2) of my letter, any such program as the Applicant has formulated should be clearly depicted on your map.

I suggest that to expedite the decision of this application as promptly as possible, you might submit one copy of the necessary three drilling bids and one print of the suggested map, with the Applicant's revised exploration proposal directly to;

Mr. Robert U. King, Geologist
U. S. Geological Survey - DMEA
Building 25, Federal Center
Denver 10, Colorado

The other required three copies of each of those documents can be sent directly to me and I will immediately forward the two

copies required in Washington.

I regret delaying the decision on this application but I believe you will agree that a fair geologic appraisal of your application proposal can not be made without this suggested additional data.

Sincerely yours,

CCK/enn

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl.(12)
cc: Briscoe County Uranium Co.,
515 Oakland St.,Plainview,Tex.
DMEA Op.Com.(2)
King,USGS,Denver
4312 file

9/10/56 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

RECEIVED
SEP 10 1956

Airmail

September 6, 1956

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312 (uranium)
Rattlesnake mine
Quitaque, Texas

Dear Sirs:

With reference to my letter to you on August 31, Robert U. King of the Denver Office of the Geological Survey just has arranged the Texas examination trip I mentioned. He plans to drive to Amarillo September 10 where I will go by plane to meet him that evening.

Therefore, because we plan to be driving through Plainview the next morning (Tuesday, September 11), we will contact you regarding the advisability of making the geologic examination of your Rattlesnake uranium prospect then.

Sincerely yours,

CCK/enn

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: Mr. Paul Whelan, Box 3074,
Lubbock, Tex. (Airmail)
DMEA Op. Com. (2)
King, USGS, Denver (Airmail)
4312 file

JECrawford:jkh
Copy to: Div. of Minerals
Br. of Rare & Precious
J O Hosted
F D Lamb
T Kiilsgaard
J E Crawford
F i l e s

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

RECEIVED
SEP - 6 1956

Date September 4, 1956

DMEA Docket No. 4312
DMEA Contract No.
Commodity Uranium
Name of applicant Brisco County Uranium Co.
Name of property Rattlesnake Mine
Location of property Briscoe County, Tex.
Estimated cost of project $215,917

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 8-21-56 2. Date received by reviewer: 8-27-56.

3. Prior reports on this property known to reviewer: Yes [ ], No [x].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].

5. Information available on past production: Yes [ ], No [x].

6. Other pertinent factors known to reviewer: Yes [ ], No [x].

7. Explain items marked yes above:

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

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

10. Remarks: (Use back of page if necessary)
We shall await USGS examination report and additional information requested by Knox from applicant. Field Team should consult with E. E. Thurlow, AEC, Denver, Colorado for whatever data they may have, as indicated in our memorandum of May 31, 1956. **This application has also been reviewed by J. O. Hosted, Washington representative of the Atomic Energy Commission.**

9-4-56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP - 4 1956

Airmail

Box 431
Joplin, Missouri

August 31, 1956

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA-4312 (uranium)
Rattlesnake mine
Briscoe County, Texas

Dear Sirs:

This belatedly will acknowledge receiving one month ago today the copy of your Addendum No. 2 to the cited application, the photostat of the ore settlement sheet, and the copy of Mr. Paul Whelan's letter to Washington on July 29.

I have been looking forward to receiving the map which he mentioned was in preparation, and the three driller's bids requested in my July 18 letter, to use as a yardstick on your drilling cost estimates.

Tentative arrangements are being made for me to spend the week of September 10 working with a geologist from the Denver Office of the U. S. Geological Survey who will make the geologic appraisals for this DMEA Field Team on several Applicant's properties in southwestern Texas. If the above-mentioned information is to be available, I believe it would be expedient for you, and most opportune for him while in Texas, to also make the geologic examination of your uranium property which I have provisionally recommended.

As discussed in considerable detail with Messrs. Paul Whelan and Clyde Saul, after they so kindly had accompanied me on the visit to your Rattlesnake mine July 24, all my recommendations, provisionally made thereafter, only as the Bureau of Mines Member of the Field Team, in my preliminary report to the Washington Office, are reiterated here as follows:

1. Messrs. Whelan and Saul, as the Applicant's only representatives present, were urged to furnish a reasonably simple but adequate exploration map showing on a suitable scale all pertinent details including geologic features, topographic contours, land lines, roads, prospect workings and all drill hole numbers, locations and collar elevations, much of which, as I suggested to them, could be

drawn quickly and with a fair degree of accuracy using the aerial photographs probably available to the landowners through the local office of the Soil Conservation Service.

2. Also a logical more limited project proposal, based on sound geologic reasoning, then should be formulated by the Applicant and depicted on the above-mentioned map for further reviews by both the Bureau of Mines, and the Geological Survey Member of this Field Team.

3. Copies of bids from three reliable independent drilling contractors were requested as a basis for properly estimating the costs for the revised project proposal.

4. Also I explained that if and when a DMEA project contract is offered, the landowners and probably the land investment firm which was said to hold a mortgage on the Saul Ranch, should be prepared to execute regular Forms MF-205 (sample copy furnished the Applicant's representatives) in lieu of the self-styled Consent to Lien and Subordination Agreement furnished with the application.

5. Upon assurance that the foregoing recommendations will be carried out, a geologic examination, report and recommendations should be made by the Denver Geological Survey Member of the Field Team, utilizing all pertinent data available from the U. S. Atomic Energy Commission.

I also suggested to Mr. Whelan that to facilitate a proper geologic appraisal of the application, all significant uranium-bearing exposures should be cleared of superficial debris, all records kept on each hole drilled to date including geologic and radiometric logs and actual chemical assays, the settlement sheet for ore shipped (since received), and drill hole cores or cuttings should be made readily available for the examining geologist.

If you decide that the tentatively suggested geologic examination shortly after mid-September definitely would be desirable and timely, you can advise me here during all next week, or after September 8 this office will have a firm itinerary of my trip so that a person-to-person call to me here (Joplin, phone MA-3-8470), will be directed to wherever I am working at the time.

Sincerely yours,

CCK/enn

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: Mr. Paul Whelan, Bx. 3074, Lubbock, Tex.
DMEA Op. Com. (2)
Harshman, USGS, Denver (2)
4312 file

700

FILE COPY
Surname:
FLKnouse
GCSelfridge
FDLamb

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

AUG 31 1956

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

For your additional information in the Field Team's evaluation of the merits of the proposed project, there are enclosed two copies of a memorandum, dated August 18, 1956, from Mr. W. P. Williams, USGS, relating to the subject project.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

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

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

FLKnouse/izm 8-30-56
cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

P.S. We note in your August 21, 1956, memorandum to the Operating Committee that you list trenching at $2.50 a cubic yard. This seems high to us as ordinarily trenching costs average 40 cents a cubic yard under normal conditions.

R. Ch.

8/29/56

IN REPLY REFER TO:

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

August 28, 1956

Memorandum

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

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

Subject: Review of preliminary examination report, DMEA 4312, Briscoe County Uranium Co., Rattlesnake Mine, Briscoe County, Texas.

The examining engineer reports that anomalous radioactivity is present on the applicant's property. Twelve tons of ore were shipped from the property to Grants, New Mexico. This ore reportedly had a grade of 0.19 percent eU_3O_8, as determined on a laboratory type scaler. All available assay data appear to be radiometric. Chemical or fluorimetric analyses of samples from the property would be desirable to determine the equilibrium characteristics of the uranium mineralization.

Little or nothing has been written on this uranium occurrence in Briscoe County. Apparently the mineralization is found in a limy member of the Dockum group of Triassic age.

I doubt that the property warrants the extensive and costly exploration program proposed by the applicant. However, the property should be evaluated through geologic field examination. I recommend that the Field Team, Region III, be asked to dispatch a geologist to make such an examination.

If the examining geologist determines that the channel scours mentioned by the examining engineer are small, weakly developed, and not persistent and that the ore zone is thin, then perhaps the applicant's proposed project of grid drilling of flat-lying, covered sediments represents a prospecting venture which would not be appropriate for DMEA participation at this time.

W. P. Williams

W. P. Williams

RECEIVED
AUG 28 1956

8/28/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

Reviewed by
DMEA OPERATING COMMITTEE
8-27-56
(date)

August 21, 1956

Memorandum

To: DMEA Operating Committee, Interior Building, Washington 25, D. C.

RECEIVED
AUG 23 1956

From: C. C. Knox, DMEA Field Team, Region IV

Subject: Preliminary Examination Report
Application Docket DMEA-4312 (uranium)
Briscoe County Uranium Co., 515 Oakland Street, Plainview, Tex.
Rattlesnake mine, sec. 110, Blk. B-1, Briscoe County, Tex.

Introduction:

Your July 13 Field referral of this application came as I prepared to leave Joplin on a DMEA examination trip to Oklahoma and the Big Bend region of Texas. Therefore, deciding to make a first-hand preliminary investigation, I wrote to the Applicant July 18 from Alpine about my plan to return to Joplin via its Rattlesnake uranium prospect on July 23-24. Then, in Lubbock and Plainview, I learned that none of the five partners of the Applicant company would be present but as its representatives, Mr. Paul Whelan, owner of the Uranium Services Co., Lubbock, and one of the landowners, Mr. Clyde Saul, Quitaque, Texas, spent July 24 with me at the property.

Summary and Conclusions:

Surface evidence and some available data on what prospecting, exploration and mining the Applicant had accomplished on its 640-acre lease implied to me that worthwhile uranium deposits might be found there and in adjacent areas. No work had been done there since March when 12 tons of ore was sent to the plant at Grants, New Mexico. Mr. Whelan explained that the split of the control pulp thereon which had just been returned to him, contained about 0.19 percent U_3O_8, as indicated by his radiometric scaler at Uranium Services Co.

I had no geologic knowledge on the area but Mr. Whelan was under the impression that the uranium-bearing bed, Triassic in age, is a very wide-spread but thin flat-bedded "trashy" limestone deposit. I suspect such more than likely will prove to be only separated small deposits of the lens-type occupying shallow scours or channels in the underlying sandstone. Close stratigraphic control of the uranium mineralization seemed evident but no signs of structural controls were noted. The mineral form in which the uranium occurs was not learned but

PRELIMINARY EXAM. RE-PORT - USBM

evidently is closely associated in the limestone-predominating strata with certain accessory minerals, including calcite, gypsum, limonite, and some pyrite, concentrated with carbonized woody fragments in vuggy zones along the bedding planes.

Although insufficient data were available on which to base firm recommendations for offering a DMEA project contract, in fulfillment of the primary purpose of my initial visit to the property, I concluded that with an adequate geologic examination, report, and map on the area, a justifiable exploration program might be devised along lines I discussed with the Applicant's representatives.

Recommendations:

1. The Applicant's representatives were urged to furnish a reasonably simple but adequate exploration map showing on a suitable scale all pertinent details including geologic features, topographic contours, land lines, roads, prospects and drill hole locations, which, as I suggested to Mr. Whelan, could be drawn quickly and with a fair degree of accuracy, largely from the aerial photographs available to the landowners through the local office of the Soil Conservation Service.

2. I also urged that a more logical and limited project proposal based on sound geologic reasoning, then be formulated by the Applicant and depicted on the above-mentioned map for further reviews by the Field Team.

3. The Applicant was requested to furnish copies of bids from three reliable independent drilling contractors as a basis for properly estimated costs for the revised project proposal.

4. Also, if and when a DMEA project contract is offered, the landowners and probably the land investment firm which holds a mortgage on the Saul Ranch should be prepared to execute regular Forms MF-205, as I explained to Messrs. Whelan and Saul, in lieu of the self-styled Owner's Consent furnished with the application.

5. Upon reasonable assurance that the foregoing recommendations will be carried out, a geologic examination of the Applicant's property should be made by the Survey Member of the Field Team, unless such adequately has been accomplished by A.E.C. geologists and their maps, reports and geologic recommendations can be furnished in the necessary detail.

The property:

The easily accessible 640-acre property under lease to the Applicant partnership includes all of section 110 in survey Block B-1, Briscoe County, Texas. It is in the east part of the Saul ranch about 6 miles west of the town of Quitaque where Mr. Clyde Saul, operating the cleaning establishment (and half-owner of that ranch) can be contacted for access and road directions to the property.

The Saul ranch, mostly suited only to grazing, is on the east edge of the relatively level high plateau which extends westward through Plainview and Lubbock, a vast area of highly developed cultivation and irrigation. In the east part of section 110, the eastern rim of that upland plateau is dissected by box-like canyons probably up to 50 feet in depth. Some exposures of the uraniferous limestone bed along that rim were discovered in April 1955 by the two Saul brothers who own the ranch. Most of that relatively hilly section of land, however, obviously lies on the upland plateau where the test drilling accomplished from July 1955 to about March 1956 implies that the uraniferous limestone bed generally is overlain by 20 to 80 feet of flat-bedded strata with a little soil cover; probably the maximum does not exceed 150 feet in the two highest hills (no elevation data were available).

After the discovery by Saul brothers, a sample was submitted by Mr. Dick Garner to the Albuquerque Office of A.E.C. and a Mr. Allison of that office, according to the Applicant's representatives, visited the prospect in July 1955. After much of the preliminary drilling had been completed, Mr. Ray Stroud, also from that Albuquerque Office, was said to have brought a scintillometer drill hole probe to the prospect and on January 12 ~~and~~ prepared the logs that were presented with the application. Therefore, I am under the impression that A.E.C. has some sort of helpful information to offer, or at least some negative opinions regarding the subject prospect and ore shipped since. One of the reviews of the Uranium Commodity Group, attached with your letter referring this application to the Field Team, mentions discussion with the A.E.C. liaison officer in Washington, however, no pertinent information therefrom was given for guidance of the Field Team.

Mr. Whelan expressed the opinion that the uranium-bearing bed is Triassic in age and a very wide-spread but thin flat-bedded "trashy" limestone deposit of significance; also, that the favorable-appearing radiometric anomalies mentioned in the application merely represented topographic minimums where virtually no overburden exists on the inferred uraniferous bed. Although he had not been furnished with actual data at the time of my visit, he had retained some selected cores which will be available for a geologic examination, from several holes evidently drilled since those reported as of January 12 in the application. Consequently, during my visit, we were not able to form any reliable opinion regarding any significant ore reserves that actually might have been delineated during the latest drilling prior to March. Mr. Whelan did not believe the uranium mineralogy of the deposit had been determined. Some slight traces of a yellow carnotite-like mineral was noted and the significant radioactivity seemed to be closely associated in the limestone-predominating bed with certain accessory minerals, including calcite, gypsum, limonite and some pyrite, concentrated with carbonized woody fragments in vuggy zones along the bedding planes.

For some verification of the initial drill hole probe indications at the discovery exposure in the plateau rim, the shallow bench outlined in Plat No. 2 of the application as "Ore Removed", was drilled

and blasted altogether. When the first truck full of that material was loaded for shipment, Mr. Whelan explained that his grab sample and check with his radiometric scaler at the Uranium Services Co., indicated an average U_3O_8 content of only 0.15 percent, so it was dumped in a pile on the plateau along the road to the ranch house. Then a second truckload of 12 tons, picked from that muck pile in March, was hauled to the purchasing agent of A.E.C. at Grants, New Mexico. It was finally sampled there in July and the split of the control pulp which just had been returned to Mr. Whelan before I got there, showed 0.19 percent U_3O_8 on his radiometric scaler. Since, the actual settlement was made on the basis of 0.20 percent.

That is the only mine exposure opened on the property and the remaining uraniferous limestone mixed with much overburden yet virtually obscures all exposures of the reported ore bed. The broken material had been mixed even more and partly bulldozed over the canyon rim while obtaining the two truckloads for shipment, so I suggested that the Applicant should clean a channel from the 7-foot face of the bench over the rim of the canyon before any eventual geologic examination is made.

I was able to cut one sample from an 8-inch vuggy zone which was exposed at the floor of the bench near hole No. B-11, which showed appreciable radioactivity on the Geiger counter available here in the Joplin Office. That sample, separately, and a copy of this memorandum are being mailed to the Geological Survey Member of the Field Team at Denver for his information. Both the sample I took of similar mineralization exposed 60 feet to the north in the floor of the bench, and a 4-foot channel sample I cut from the sandstone conglomerate outcrop on the same horizon just beyond the north end of the bench excavation, failed to indicate any appreciable radioactivity.

The few AX-size cores Mr. Whelan showed me were said to have been drilled under a contract sometime after January 12 and no work has been done at the prospect since the 12-ton truckload was shipped in March. The Applicant's representatives were doubtful as to whether the Applicant company actually owned the equipment remaining there. Mr. Whelan claims full personal ownership of the 1956 Ford station wagon and all the radiologic equipment listed in the application. The 60 c.f.m. air compressor and small Du-Sac drill, which small rock bits generally had been used but some diamond drilling had been done obtaining only ½-inch cores, remained at a completed hole in the Applicant's designated Area "C". Otherwise, only the 1950 D-6 Caterpillar bulldozer, the 1951 Universal Jeep, and the 1952 Dodge water truck were in evidence near the Saul ranch house.

Following my explanation that the landowners should be prepared to execute standard Consents to Lien (Form MF-205) if and when a DMEA project contract is offered, the Applicant's representatives expressed the belief that such would be forthcoming but Mr. Clyde Saul also advised that the Saul ranch is mortgaged to a land investment firm.

The Applicant:

Of course, no first-hand impressions or information were obtained regarding the Applicant partners but they obviously are inexperienced at prospecting, exploration and mining. Messrs. Doyle Saul and Dick Garner were said to be ranchers now primarily successful as cattle traders as the appearance of their homes seemed to verify. Both were said to be in Colorado on vacations at the time I went there.

Mr. Paul Whelan, Consulting Geophysicist and owner of Uranium Services Co., Lubbock, Texas, was designated in the application to have technical supervision of the proposed DMEA project. He is a graduate of Texas Technical School, Lubbock, Texas, majoring in mathematics and physics. He also explained vaguely that his experience the eight years since included about 3 years employment by his father and some small outside concerns, on geophysical reconnaissance for oil, and on small uranium prospecting and exploration projects in southeastern Utah, northwestern New Mexico, and near Pagosa Springs, Colorado, and Douglas, Wyoming. My impression was that he lacked the necessary geologic training and experience to properly plan and conduct the proposed project.

The project proposal:

The Applicant proposes to grid drill about 75 percent of the 640-acre tract which erosion is known not to have removed the inferred uranium-bearing bed. Drilling the holes to the required depth varying from 10 to 200 feet, the Applicant estimated that 30,000 feet of plug bit drilling and 5,000 feet of core drilling would be needed; also 100 feet of prospect drifting and 1,400 cubic yards of bulldozer trenching were estimated to be needed. The over all ~~estimated~~ cost of the proposed project was estimated to be $215,917.

It seemed more than likely to me that the uraniferous limestone will be found to occur only in separate small shallow lens-type deposits occupying scours or channels in the underlying sandstone. Therefore, while some preliminary widely spaced reconnaissance drilling might be needed to extend favorable-appearing channels indicated by geologic mapping along the rim outcrops, if radiometric surveys prove ineffective, certainly no close grid drilling could be justified. Drilling of a "fence" of holes to cross section indicated favorable ore zones at logical intervals along their course might then be justified as a second phase. Of course any such suggested plan is merely speculation pending an adequate geologic examination.

I explained to the Applicant's representatives the depreciation allowances ordinarily specified in DMEA project contracts covering use of Applicant-owned equipment and the necessity to furnish three bids from reliable independent drilling contractors as a basis for revised project cost estimates. Based on the previous drilling experiences there, they seemed inclined to agree with my guess that especially in relatively level areas where moves would be quick and easy, independent contractors might

bid as low as $0.90 per foot for the plug bit drilling and $1.50 for core drilling.

I explained to them that even with the most liberal geologic recommendations that could possibly be expected following the proposed geologic examination, I doubted that drilling of over 100 of the holes plus the bulldozing and drifting (or preferably, test shaft sinking) proposed in the application would be warranted. Subject to any favorable geologic recommendations that might be made, but to give some idea based on the above suppositions, a unit price contract (which they agreed would seem preferable) along the following lines, inclusive of all pertinent estimated cost items, might be deemed logical in two or more phases for doing the work:

	Total	Per Unit
Bulldozing: (about $10 per hr. incl. Operator)		
2 trenches 10'x10'x200'=1,400 cu.yds.	$3,500	$2.50/cu.yd.
Road building (3½ mi.) and drill site leveling	3,500	10/hr.
Drifting or test shafting:		
10 - 5'x6'x10'= 100'	2,500	25/ft.
Drilling:		
10,000' plug bit plus 2,000' core	24,000	2/ft.
Sample analyses: 500	2,500	5/ea.
Total estimated project costs	$36,000	

Of course, after a better understanding of how specifications in DMEA project contracts ordinarily are prepared, the Applicant's representatives agreed that the estimates in this application are not realistic.

Clinton C. Knox

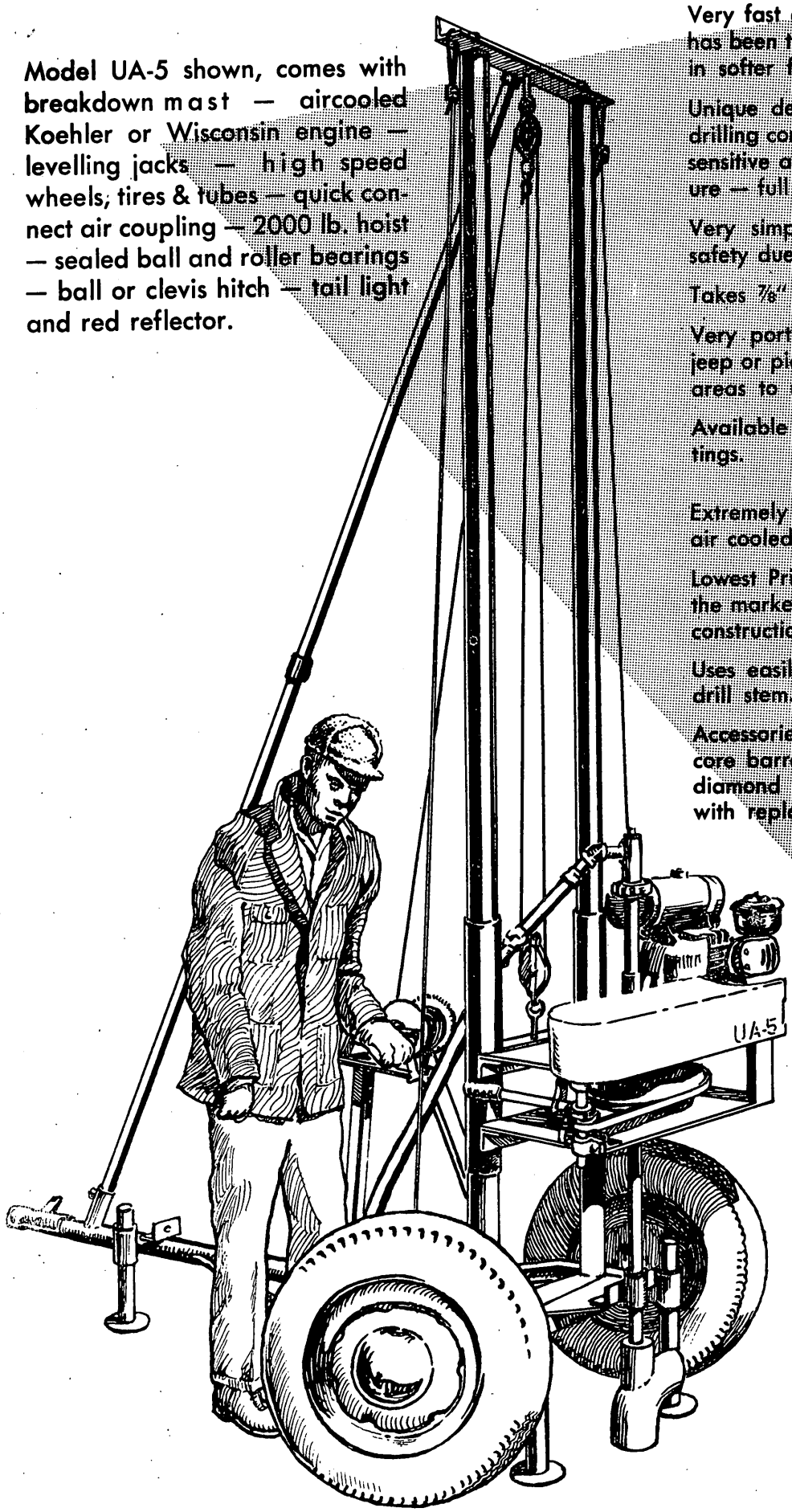
CCK/enn

Clinton C. Knox

cc: DMEA Op.Com.(4),incl.1 for A.E.C.
Harshman, USGS, Denver (2), incl. 1 for A.E.C.
4312 file (2)
Knox

PRESENTING A NEW CORE DRILL

Model UA-5 shown, comes with breakdown mast — aircooled Koehler or Wisconsin engine — levelling jacks — high speed wheels, tires & tubes — quick connect air coupling — 2000 lb. hoist — sealed ball and roller bearings — ball or clevis hitch — tail light and red reflector.



Very fast drilling in soft, medium or hard rock — has been timed at 10 inches per second and faster in softer formations.

Unique design permits operator to keep tab on drilling conditions in the hole at all times and have sensitive and complete control of downfeed pressure — full 5 ft. downfeed.

Very simple operation with maximum operator safety due to no exposed moving parts.

Takes ⅞" or 1¼" core x 5ft. long.

Very portable on trailer wheels or mounted on jeep or pickup — drill winch can be used in rough areas to move drill.

Available rigged for air or water flushing of cuttings.

Extremely low maintenance costs — powered by air cooled engine with very low gas consumption.

Lowest Priced heavy duty, high capacity drill on the market in 100' to 1000' range — welded steel construction.

Uses easily available standard sizes of bits and drill stem.

Accessories obtainable include swivelling or rigid core barrels — diamond or insert type core bits, diamond plug bits and fishtail soft formation bits with replaceable cutters.

URANIUM SERVICES CO.
BOX 3074
LUBBOCK, TEXAS

8/20/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Box 431
Joplin, Missouri

August 17, 1956

RECEIVED
AUG 20 1956

Mr. E. N. Harshman
U. S. Geological Survey - D.M.E.A.
Denver Federal Center
Denver, Colorado

Re: DMEA-4211 (uranium)
Lone Star Uranium Corp.
Wild Horse mine, Burnet County, Tex.

Dear Harsh:

Thanks for your memo of August 16 on the subject application. Five copies of it immediately were forwarded to Washington to augment and correct my August 7 memo thereon; four for DMEA and one for A.E.C. there. Keeping one copy, I am returning herewith the four extra copies you sent.

Also furnished you herewith is the second Field Team copy of an August 6 letter from Bill Martin, authorizing us to furnish for closed files of A.E.C., Denver, copies of Field Team reports pertaining to proposed uranium projects which I understood from H. S. Stafford, had been a matter for discussion between you and him. I have been searching the files here for extra copies to furnish him shortly on the few such proposals we have handled in Region IV.

As application data now seems to be shaping up I would not be surprised if Field Team examinations will be needed on the following such project proposals:

DMEA-4211 (uranium), Lone Star Uranium Co., Wild Horse mine, Burnet County, Tex.
DMEA-4269 (uranium), Big Bend Exploration Co., 02 Ranch, Presidio County, Tex.
DMEA-4204 (uranium), Louis A. Sanford, Pawnee County, Okla.
DMEA-4312 (uranium), Briscoe County Uranium Co., Rattlesnake mine, Briscoe County, Tex. (preparation of a memo on my preliminary examination of the latter is expected to be completed in a couple more days).

Possibly one of your men may want to arrange to examine all the above, if justifiable, on a single trip, plus an inspection at the Contrabando project, Big Bend Mining, Inc., Presidio County, Texas, Contract Idm-E893 (since I understand that John Faick might be out of

circulation the next 6 weeks). Therefore, also enclosed herewith, to be forwarded from your office to the proper geologist for review and any comments he might wish to make, is the fifth copy of the July MF-104 Report, just received from this Big Bend Mining, Inc.

Sincerely yours,

CCK/enn

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. (6)
cc: DMEA Op.Com. (3) w/5 cc: of memo
4211 file
3776 file

Kennedy

Recd 7/31/56 zm
Special Delivery Air Mail

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

7-29-56

U.S. Dept. of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.
Attn: Ernest Wm. Ellis, Chief, Rare and Misc. Metals Div.

Re: Docket No. DMEA-4312
Rattlesnake Mine Briscoe Co. Uran. Co.
Briscoe County, Texas

Dear Mr. Ellis,

Subject company has just received settlement sheets on about twelve tons of the ore removed from the cut shown on plat no. 2 of the original submittal under this docket no. I am enclosing 3 photostatic copies. It is my understanding that this is the first shipment of uranium purchased from this state.

After a conference at Silverton, Texas this last week with Mr. C.C. Knox, I wish to submit some changes in section 6(d) p.2 of the original application papers which also are enclosed. We wish to indicate a desire to set the contract, if any is forthcoming, up on a unit cost basis. Details of this change were discussed with Mr. Knox. At his recommendation we are beginning work on a detailled topographic map of the land in question.

sincerely yours,
Paul Whelan
Paul Whelan

PLW:dw
encls.
cc: Mr. C.C. Knox
P.O. Box 431
Joplin, Mo.

Addendum No. 2 to application for
exploration loan -Docket no.DMEA-4312

6. (d) should read

(1) Du-jac Drill -depreciation value-
-one year- $ 700.00

(2) 60 cfm air compressor, rock drill and hose
and steel-depreciation value-one year-
$ 250.00

Total $ 950.00

7. (b) should read

Use of equipment owned by us and cash payment.

We feel that this would more likely fit the situation, especially on a unit cost basis.

If it is necessary for us to submit changes to set the work up in stages, we will be very happy to do so, however Mr. Knox indicated that his suggestions on this change might possibly be incorporated directly into the contract , if any, offered the company.

Form No. O-4 (Rev) 10M-4-56 W&Y

WESTERN URANIUM PROJECT

LUCIUS PITKIN, INC.

Ore Purchasing Agent for United States Atomic Energy Commission

Receiving Station OP-Anaconda

Grand Junction, Colorado July 17 19 56

Liquidation No. 1242 Lot No. 81 Shippers Lot No.

Bought of Briscoe County Uranium Company A.E.C. License No. P-2939

Address 515 Oakland Street; Plainview, Texas

Type of Ore Hi-Lime Contract No. Date Received 3/26/56

Mining Claim Briscoe County Mining District Unknown Pile No. AN 81

County - Briscoe State - Texas

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	Cu	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$	Cu
81	24,870	4.06	23,860	0.20	0.03	44.6		47.72	7.	10,642.	

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.20% = 4.0# at	3.50	14.00	11.9300	$167.02
Development allowance 4.0# at	.50	2.00	"	23.86
TOTAL U308 PAYMENT		16.00	11.9300	$190.88
Haulage allowance 90 miles @ 6¢ per wet ton mile			12.4350	67.15
TOTAL				$258.03
V205				—
TOTAL GROSS PRICE				$258.03
Deductions				—
NET PROCEEDS				$258.03

Correct WSJ Paid July 19, 1956
Checked AWC Voucher No. 7-274
Approved HER Check No. 2452

le

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.
I certify that I hold A. E. C. Source Material License numbered above.
I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.
I will accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Briscoe County Uranium Co.
Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules unless otherwise provided in contract applicable to ore delivery described herein.

By

Title

I certify that this is
a true copy
Paul Whelan

7-24-56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
Box 431

RECEIVED
JUL 24 1956

% Holland Hotel
Alpine, Texas
July 18, 1956

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: DMEA - 4312 (Uranium)
Rattlesnake mine
Briscol County, Texas

Dear Sirs:

The letter from Washington with referral of your application to me was received Sunday as I was leaving Joplin for a week of DMEA field work in the Big Bend region of Texas. Therefore, I plan to return to Joplin via Lubbock and Plainview, Texas, about Monday, July 23, to contact Mr. Whelan and your office for additional details on your exploration proposal, and possibly arrange a preliminary examination of your property for next Tuesday morning.

Then I should be able to decide whether the Geological Survey Member of this Field Team might be justified in making the trip from his office in Denver for a geologic examination of your leases. I am under the impression, however, that adequate data of that nature may be available to us from the files of the U. S. Atomic Energy Commission in Denver.

Because we do not consider the cost estimates for your proposed project work to be realistic, it will be necessary for you to solicit written bids from at least three reliable independent contracting firms that would undertake the work if and when a DMEA Project Contract should be offered to your company, and it cannot do the work at the minimum of cost to the Government. We also should come to an agreement on all other necessary specifications to be included in the contract you desire; presumably you are aware that Messrs. Doyle Saul and Clyde Saul should be prepared to furnish Owner's Consents to Lien at that time.

If for any reason my tentatively planned visit on this date would be untimely for you, please call me Saturday evening at the Holland Hotel, Alpine, Texas.

Hoping to meet you soon, I am,

Sincerely yours,
Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

700
Surname copy

FLKnouse
Nelson
Gehan
Selfridge

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

JUL 13 1956

Briscoe County Uranium Company
515 Oakland Street
Plainview, Texas

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

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. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
P. O. Box 431
Joplin, Missouri.

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

Sincerely yours,

G. O. Mittendorf

Administrator

FLKnouse/ai 7-12-56
cc to: Docket
Admr. Reading File
Operating Comm.
DMEA Field Team, Region IV (2)
Messrs. THKiilsgaard, Rm. 5224
JECrawford, Rm. 3643
JOHosted, Rm. 3210, GSA
Code 700
Mr. Knouse

R.E.S.

Surname copy

700

F.L. Knouse
Selfridge
T.E. Johnson

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

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
P. O. Box 431
Joplin, Missouri

JUL 18 1956

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Knox:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated May 29, and 31, 1956, from Mr. N. E. Nelson, USGS, and Mr. John E. Crawford, USBM, respectively, relating to the subject project. In addition, there is enclosed a copy of a Brochure from the Applicant, entitled Addendum No. 1, in reply to our letter of June 6, 1956.

If the Field Team recommends an exploration program we will require, in addition to the usual information, the following:

1. Nine copies of a map showing mineralized exposures with sample locations and assay values (reported by the Applicant, and of any additional samples taken by the examining team), location of holes drilled, shown on Applicant's map, and recommended work, all in relation to the property boundaries;

2. Bids from three contractors if drilling is to be done by independent contractors; and

3. The Applicant should be requested to furnish Consents to Lien forms covering Section 110 in Block B-1 signed by Doyle Saul and Clyde Saul.

Enclosure

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

N. E. Nelson
USGS

FLKnouse:ai 7-12-56
cc to: Docket
Admr. Reading File
Operating Comm.
Code 700
Mr. Knouse

Messrs. THKiilsgaard, Rm. 5224
JECrawford, Rm. 3643
JOHosted, Rm. 3210, GSA

P. S. Re Item 2: Drilling bids should be obtained even if work is not to be done by independent contractors.

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

RECEIVED
JUL. 9 - 1956

July 3, 1956
United States Dept. of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.
Attn: Chief, Rare and Misc. Metals Division
Re: Docket No. Dmea-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Ellis,

This is with reference to your letter dated June6, 1956 requesting further information regarding subject mine.

The numbers of these items conform with the numbers in your letter:

1. The address of the company should be;
   Briscoe County Uranium Company
   515 Oakland Street
   Plainview, Texas

2. Block B-1 does include all of section 110.

(a) See plat no. 2 and hole radiometric logs in original submittal for thickness and extent of ore where drilled out.

On the south line of this section are three exposures in stream beds of a trashy limestone with uranium. In each case the exposure is about 1 foot thick by about 8 to 15 feet wide (the width of the stream bed in each case). The formation can be traced only rarely between the stream cuts due to soil cover.

However, in the north central part of the section the formation is exposed for hundreds of feet along the walls of the 40 to 100 feet deep stream beds. Since the Uranium-mineralized portion of this formation appears almost continuously in at least a trace wherever lack of cover permits any observation, no detailed attempt has been made to break this down into separate exposures. The thickness varies from 3 and 4 feet thick down to a few inches.

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant _____

Docket No. _____

Commodity _____

Amount $ _____

Please expedite consideration of the application with particular reference to the points raised in the attached "Review".

Sincerely yours,

Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

_____
Member, Bureau of Mines

_____
Member, Geological Survey

13759

2 (b). Assays C1408 and C1414 were made from samples about 6 feet apart along the west bank of the dry wash appearing on the east side of plat no. 2 in original submittal.

Sample "B-34" shown on assay no. 2038 was a core taken from hole B-34 which is a few feet east from hole B-32 on plat no. 2.

(c). All holes for which there are logs, which are not shown on plat no. 2 are located in an area marked "C" on plat no. 3.

2 (d) and 3. We propose to do 30,000 feet of plug bit drilling and 5,000 feet of core drilling (all at various depths from 10' to 200' or as is required to fully penetrate the ore horizon) in the area shown on plat no. 3. We further propose to cut two trenches 10' x 10' x 200' , one located 1500 feet NE from area of plat no. 2 and the other at the point marked "surface exposure of low grade" on plat no. 3.

Also intensive surface radiometric surveying on a 100' grid over the entire section.

We propose to cut ten drifts not to exceed more than 10 feet each of approximate dimensions 6'x6', into scattered points along the exposures, to be located after more sampling, and for the purpose of more comprehensive sampling.

We propose to perform continuous radiometric sampling and assaying from hole cuttings, exposures, and drifts, on the job, and to have assayed at an appreoved AEC assayer chemical assays of a large portion of the samples throughout the entire program.

We propose to build approximately four miles of roads to facilitate moving the drilling equipment in the inaccessable areas, and to furnish a complete record up to date weekly, of all work, such work being shown on any map or maps as may be necessary to properly pinpoint every facet of the operation.

CHAPMAN AND WOOD
MINING ENGINEERS AND GEOLOGISTS
536 JEFFERSON ST., NE
PHONE 6-1675 P. O. BOX 8302
ALBUQUERQUE, NEW MEXICO

LABORATORY DIVISION ASSAY CERTIFICATE

No. 784

Date 12/6/55

Submitted by Mr. Paul Whelan

Address P. O. Box 3074, Lubbock, Texas

DESCRIPTION OF SAMPLE	e U_3O_8%	Chem. U_3O_8%					TON VALUE
2038 - B-34	0.168	0.190					
2039 - Concentrated	0.075	0.060					

Chemist D H Reynolds
Dexter H. Reynolds

Charges

STATE OF TEXAS }
County of Lubbock }

I, O. B. SOUTHARD, a Notary Public in the County of Lubbock, hereby certify that this is a true and correct Photostatic copy of Assay Certificate as same was compared with the original Certificate

To certify which, witness my hand and seal of office this, the 7 Day of July A. D. 19 54

O. B. SOUTHARD, Notary Public
Lubbock County, Texas

O. B. Southard

THE PARKER COMPANY

2408 Central Avenue, East
Albuquerque, New Mexico
Phone: 2-2481

ASSAY REPORT

NAME Paul Whelan
Uranium Center 3206-34th St.
~~Lobbock, Texas~~

July 2[illegible], 198[illegible]

ASSAY NO.	CODE		GOLD Au	SILVER Ag	LEAD Pb	COPPER Cu	URANIUM U_3O_8
Assay	C1408	quant.					.48

CHARGES _____ CHEMIST _____

ASSAY SAMPLES WILL BE HELD 90 DAYS ONLY.

STATE OF TEXAS }
County of Lubbock }

I, O. B. SOUTHARD, a Notary Public in the County of Lubbock, hereby certify that this is a true and correct Photostatic copy of Assay Report as same was compared with the original Report

To certify which, witness my hand and seal of office this, the 7 Day of July A. D. 19 56.

O. B. SOUTHARD, Notary Public.
Lubbock County, Texas

O. B. Southard

THE PARKER COMPANY

2408 Central Avenue, East
Albuquerque, New Mexico
Phone: 2-2481

ASSAY REPORT

NAME Dick Garner
515 Oakland Street
Plainview, Texas

July 29,1955

ASSAY NO.	CODE		GOLD Au	SILVER Ag	LEAD Pb	COPPER Cu	URANIUM U_3O_8
Sample # 1	C1414	quant.					.62

CHARGES _____

CHEMIST [illegible]

ASSAY SAMPLES WILL BE HELD 90 DAYS ONLY.

STATE OF TEXAS }
County of Lubbock }

I, O. B. SOUTHARD, a Notary Public in the County of Lubbock, hereby certify that this is a true and correct Photostatic copy of Assay Report as same was compared with the original Report

To certify which, witness my hand and seal of office this, the 7 Day of July A. D. 19 56

O. B. SOUTHARD, Notary Public
Lubbock County, Texas

O. B. Southard

700

FILE COPY
Surname:
T. Dupree
Wilkerson

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

JUN - 6 1956

Briscoe County Uranium Company
Silverton, Texas
Attn:
Mr. Doyle Saul

Re: Docket No. DMEA-4312 (Uranium)
Rattlesnake Mine
Briscoe County, Texas

Dear Mr. Saul:

This is with reference to the above Company's application for Government aid to explore the subject property.

In order that we may continue to process your application, please clarify and furnish the following:

1. In your application there were furnished the address of the various partners in the subject company, but the mailing address of the company was not furnished. Please advise.

2. We note that you propose to explore sec. 110, Block B-1, for uranium. It is not clear in your application if Block B-1 includes all of section 110; also, by what means you propose to explore the area concerned? In this connection, you should show on a map, drawn to scale, the following:

(a) Locations and extent of all uranium mineralized exposures, and also areas of radioactive anomaly;

(b) Locations of samples taken, with their chemical analyses and certified copies of assay certificates; (including any chemical analyses of drill core or cuttings);

(c) Location of holes drilled, with numbers as shown on your sketch "Plat No. 2," submitted with your application; and

(d) Locations of proposed work, i.e., trenches, drill holes, shafts, drifts, crosscuts, etc., all in relation to the property boundaries. In addition, please furnish a narrative description of each mineralized exposure, i.e., length, width, and mineralization.

3. You should furnish in detail the quantity of work you propose to do, e.g., approximate length and depth of trenches,

R.C.K.

drilling footage (diamond core, or plug bit, wagon, etc.), shaft, drift, crosscut, etc., with detailed cost estimate to complete the work.

Four copies of this information should be furnished in order to process your application with a minimum of delay.

Sincerely yours,

Ernest Wm. Allis, Chief
Rare and Miscellaneous
Metals Division

FLKnouse/gla/izm 6-5-56
cc to: Dick Garner, Plainview, Tex.
Docket
Code 700
Mr. Knouse
Admr.'s Reading File
DMEA Field Team, Reg IV (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

6-1-56

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

RECEIVED
JUN - 1 1956

May 31, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

Subject: Application for Assistance, DMEA Docket 4312,
Briscoe County Uranium Company, Silverton, Texas

I have reviewed the attached application for assistance, DMEA Docket 4312, Briscoe County Uranium Company, Silverton, Texas, dated May 25, 1956 and received in this office May 28, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant proposes to explore for uranium on some property in Briscoe County, Texas, by drilling and bulldozing. The estimated total cost of the project is $215,917.

It is indicated that the Atomic Energy Commission has information regarding the property, therefore, it would probably be advisable for the field to consult with the Denver office of the AEC regarding the favorability of the subject property.

Should the property appear to have some promise, it is suggested that the cost figures be reviewed as they are out of proportion with the undefined exploration project.

John E Crawford
John E. Crawford

Attachment

5/31/56

IN REPLY REFER TO:

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

RECEIVED
MAY 29 1956

May 29, 1956

Re: DMEA 4312
Briscoe County Uranium Co.
Rattlesnake Mine
Briscoe County, Texas
$215,917.00 - Uranium

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring by bulldozing and core and non-core drilling a section of land believed to be underlain by a uranium-bearing coarse-grained limestone, with pyrite, gypsum and considerable trashy carbonaceous material throughout.

Radiometric logs of 31 drill holes are given, of which 17 show MR/hr.-1 foot readings of:

	Reading MR/hr.				
	1	1½	2	3	5
No. of holes showing	10	5	4	2	5

Hole B 31 shows 1 foot at 5.0
" No. 4 " 3 feet at 3.0
" No. 9 " 1 foot at 1½, 1 at 5.0, and 2' at 2.0
" No. 10 " 3 feet at 2.0 and 2' at 3.0

The distance to most of the values ranges from 12 to 38½ feet, but some values are as deep as 80 feet.

No map is furnished showing the location of all holes giving MR/hr. readings of 1 and above. Plat No. 2 shows an area from which ore has been removed, but no mention is made of tonnages recovered, ore shipped, or other particulars.

If the radiometric logs are reliable, mineralization of some interest is indicated.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

May 28, 1956

Briscoe County Uranium Co.
Silverton,
Texas

Subject: DMEA-4312
Re: Exploration Assistance
Rattlesnake Mine

Gentlemen

The receipt of your application dated May 25, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4312 and referred to the Rare & Misc. Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

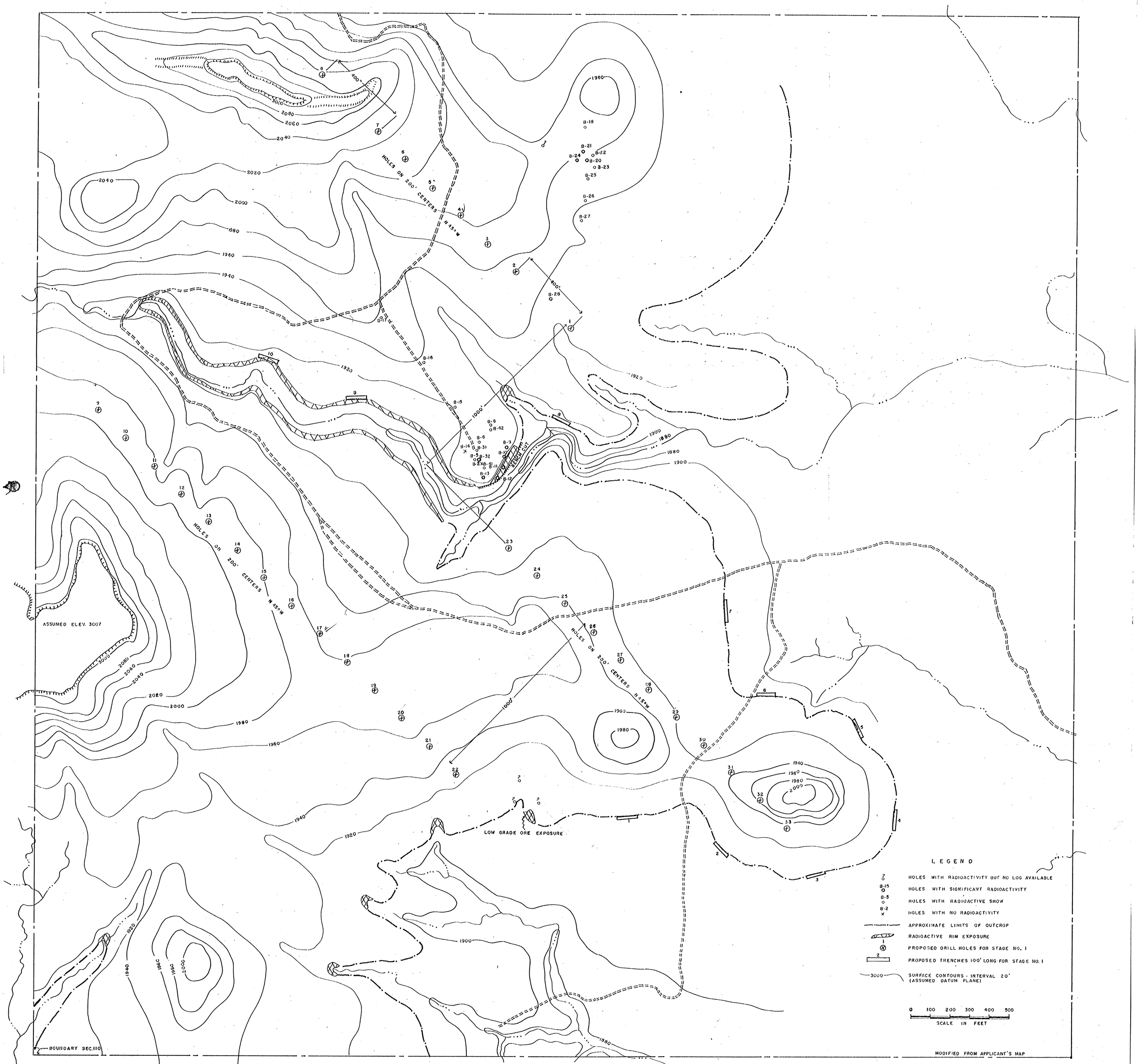
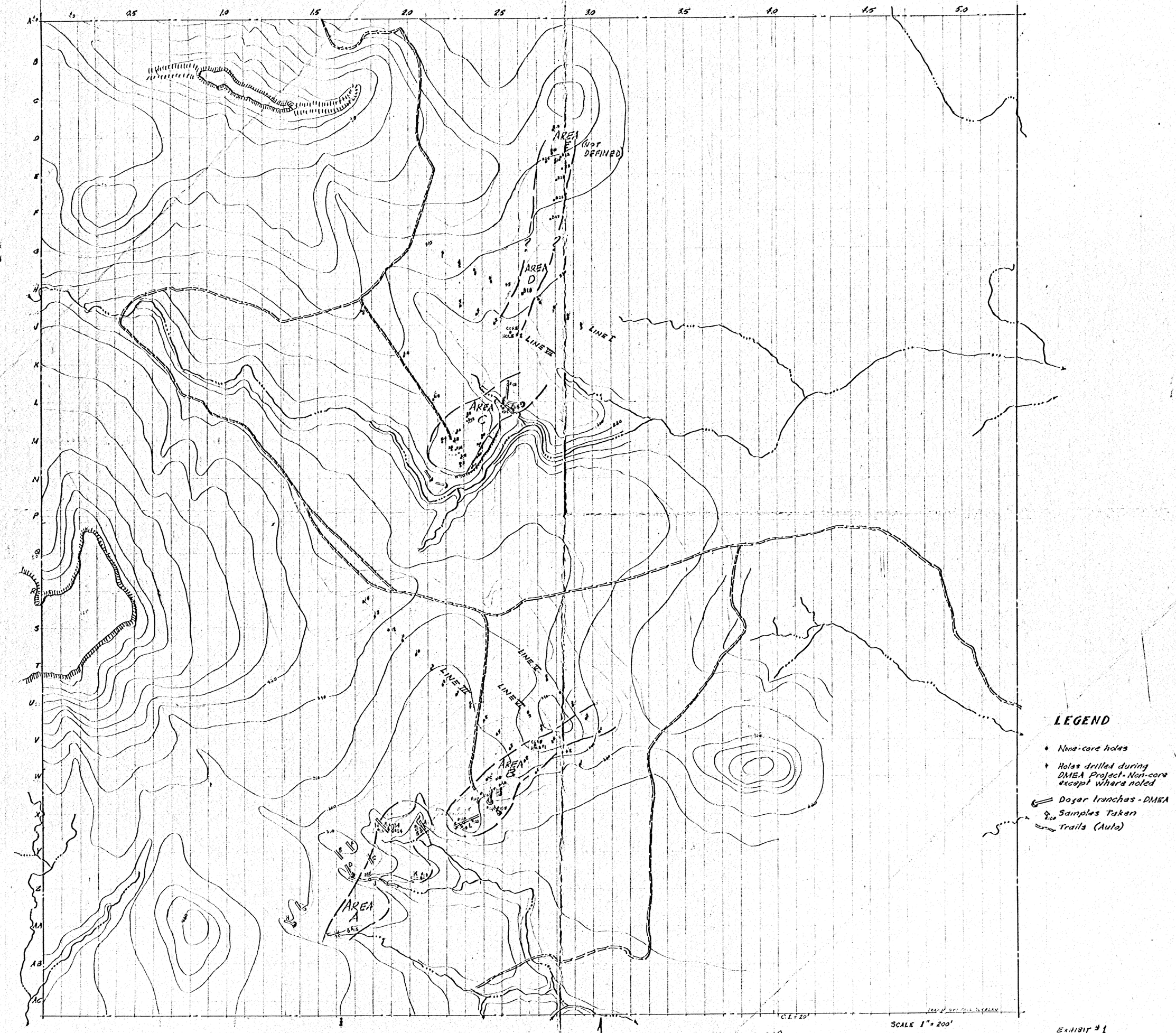


Figure 2 - GEOLOGIC MAP OF SAUL RANCH (RATTLESNAKE MINE) BRISCOE COUNTY URANIUM COMPANY - BRISCOE COUNTY, TEXAS

Showing Recommended Exploration - Docket DMEA 4312

KING-KNOX 3-15-57



MAP of RATTLESNAKE MINE ~ BRISCOE COUNTY URANIUM COMPANY

EXHIBIT #1

FINAL REPORT

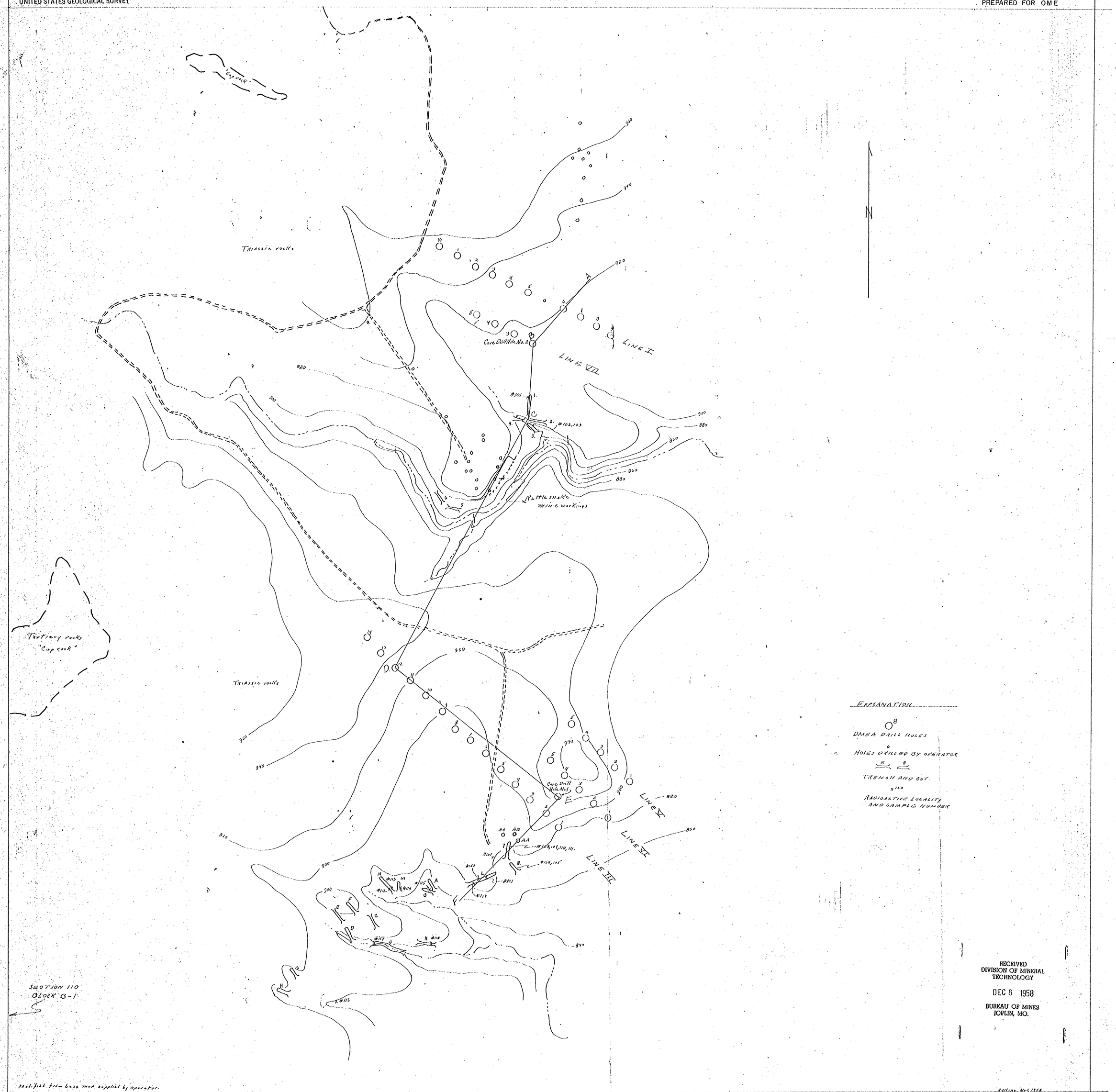


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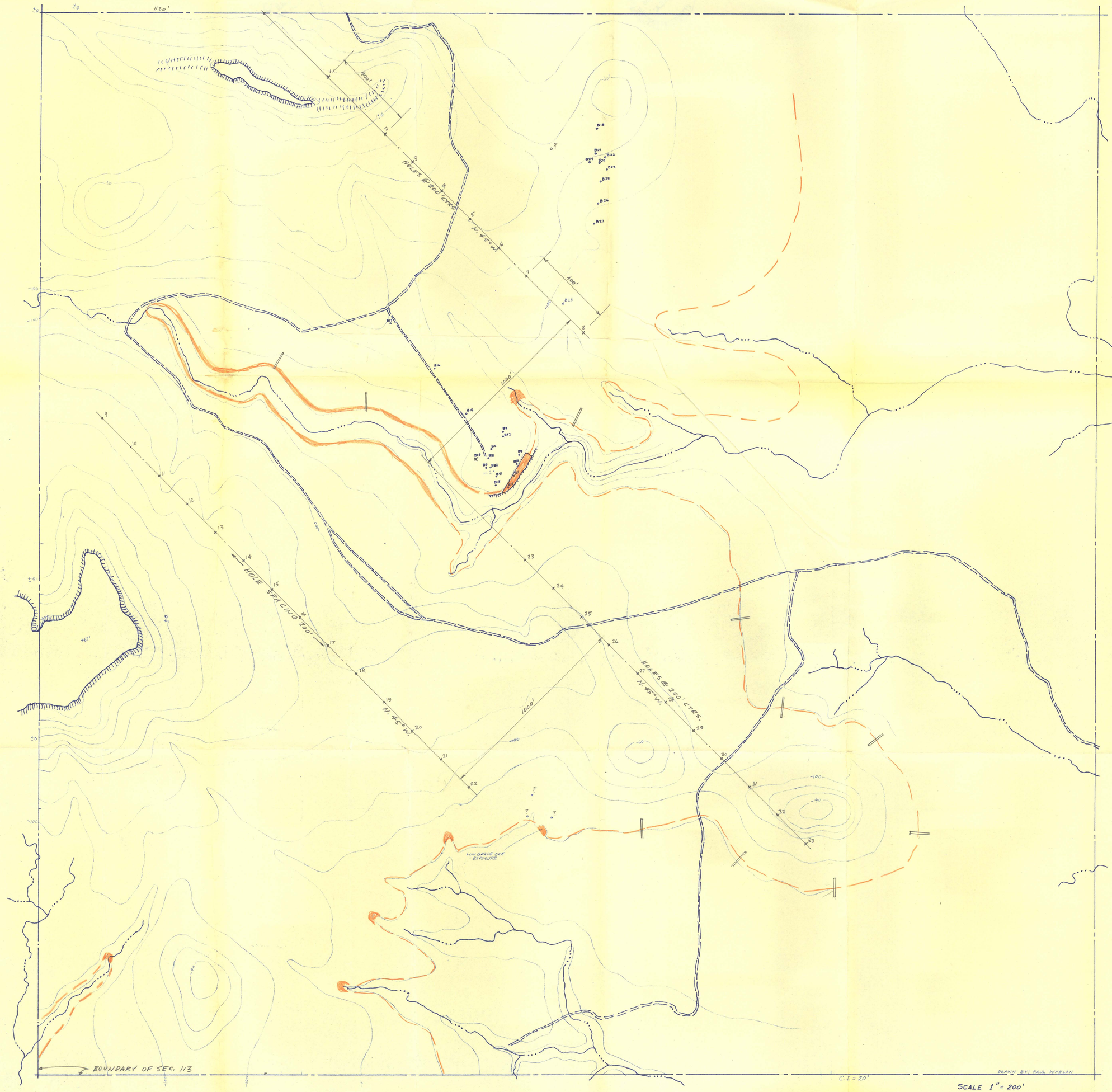
FIGURE 2.- MAP OF RATTLESNAKE MINE SHOWING EXPLORATION, BRISCOE COUNTY URANIUM COMPANY, BRISCOE COUNTY, TEXAS. DMEA 4312 · CONTRACT Idm-E1142

200 0 200 400 FEET

Figure 2 - GEOLOGIC MAP OF SAUL RANCH (RATTLESNAKE MINE) BRISCOE COUNTY URANIUM COMPANY - BRISCOE COUNTY, TEXAS

Showing Recommended Exploration - Docket DMEA 4312

KING-KNOX 3-15-57



DRILL HOLE COLLAR ELEVATIONS

B-18	-75.0'
B-21	-79.0'
B-22	-82.0'
B-24	-79.5'
B-20	-81.0'
B-23	-83.0'
B-25	-85.5'
B-26	-90.0'
B-27	-90.8'
B-28	-108.0'
B-17	-82.0'
B-16	-102.'
B-15	-119'
B-42	-125.5'
B-8	-130.0'
B-6	-120.5'
B-31	-117.5'
B-5	-114.5'
B-32	-115.0'
B-41	-118.7'
B-13	-120.5'

LEGEND

- ? HOLES WITH RADIOACTIVITY, BUT NO LOG AVAILABLE
- B-0 HOLES WITH RADIOACTIVE SHOW
- B-0 HOLES WITH NO RADIOACTIVITY
- APPROX. LIMITS OF OUTCROP
- RADIOACTIVE RIM EXPOSURE
- PROPOSED DRILL HOLES FOR STAGE #1
- PROPOSED TRENCHES 10' DEEP X 8' 100' LONG FOR STAGE #1

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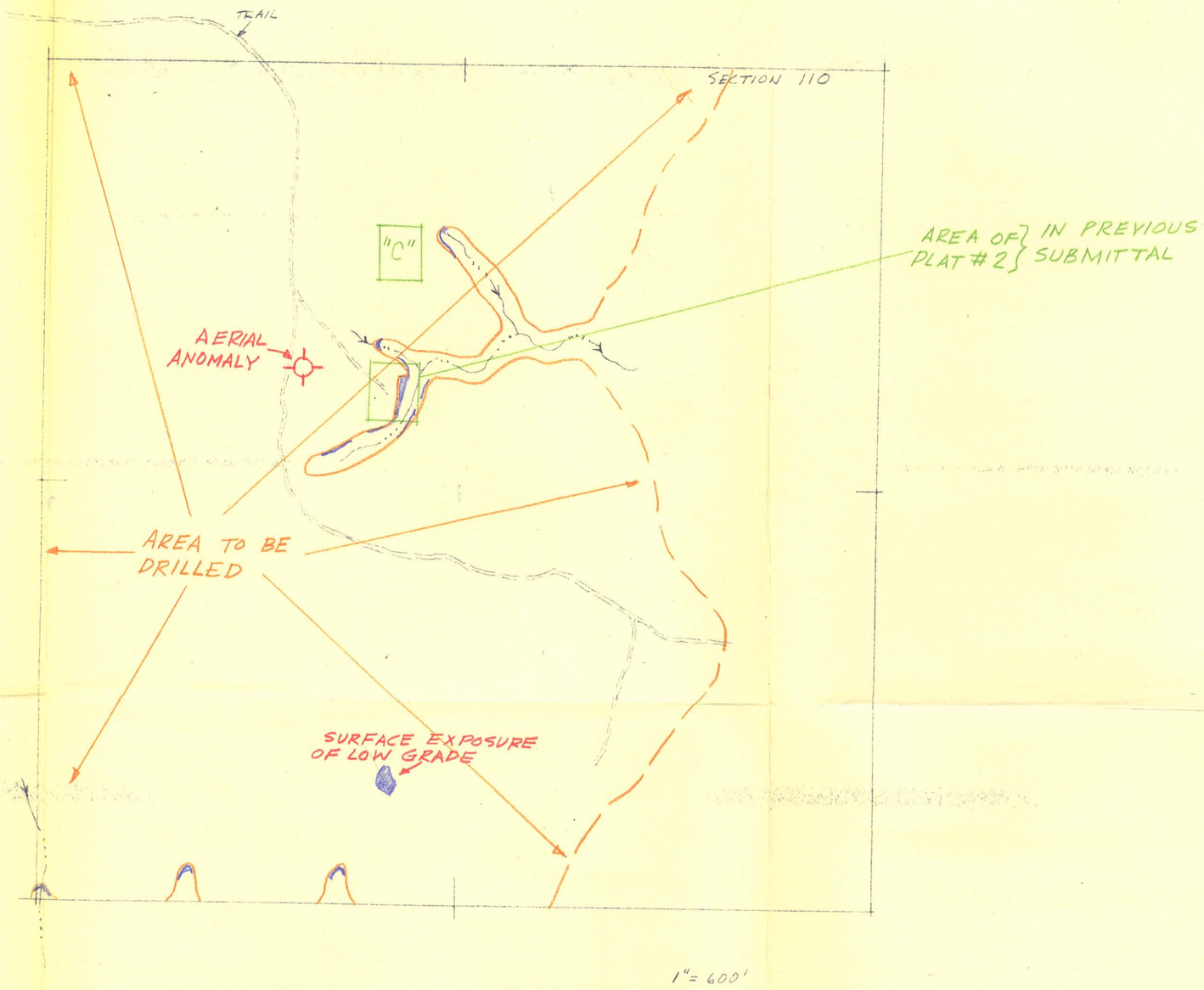
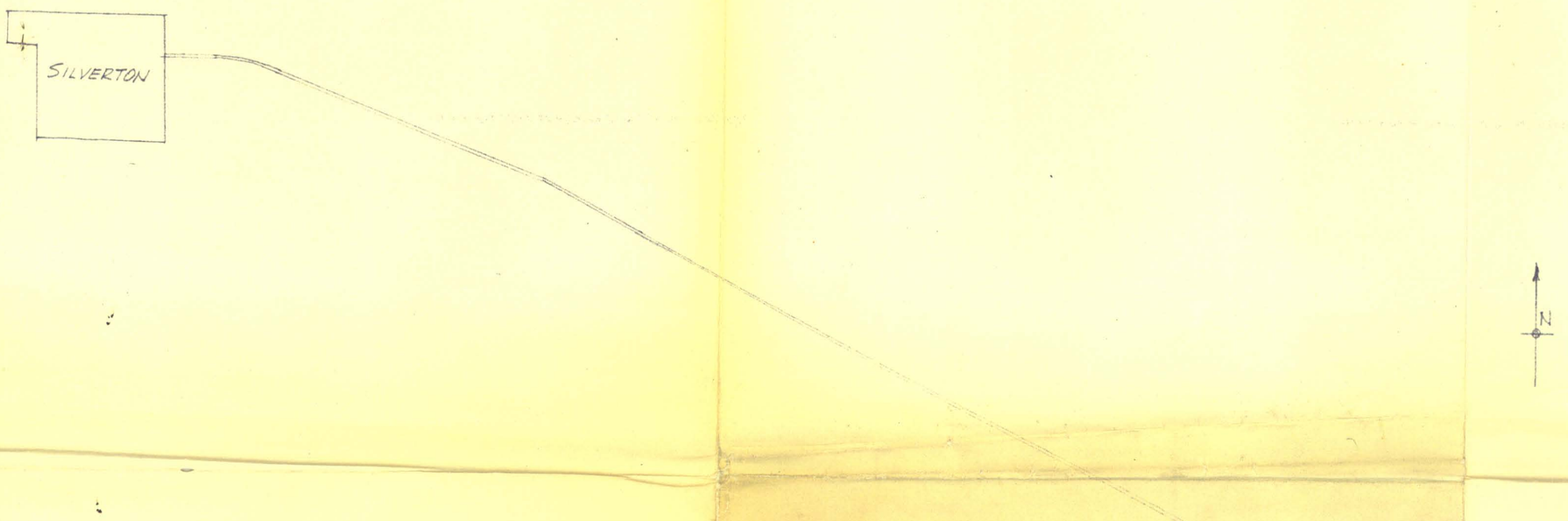
#2



1" = 600'

PLAT No. 3

URANIUM EXPOSURES



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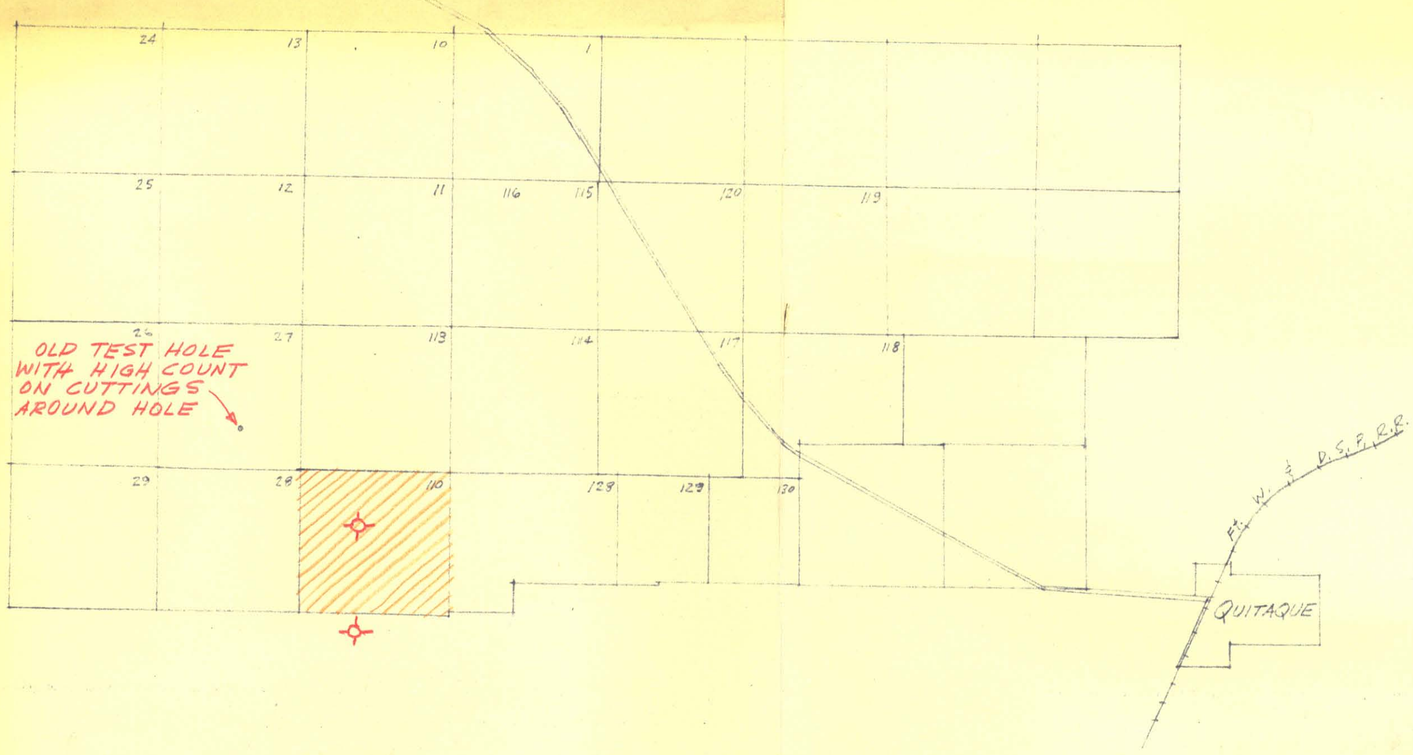

PLAT No. 4