4000 Coroy Street,
Longmont, Colorado,
November 3, 1956

DMEA
DEPARTMENT OF THE INTERIOR
NOV 5 1956
REGION III
DENVER, COLORADO

United States Department of the Interior,
Defense Minerals Exploration Administration,
224 New Customhouse Building,
Denver 2, Colorado.

Re: Docket No. DMEA 4026 (Uranium)
Box Claims, Converse Co., Wyoming.
Proposed Exploration Project
Contract No. Idm-E1021

Dear Mr. Traver:

The proposed exploration contract was received by the writer while he was in New York on October 25th, and reached Longmont on the 30th. At the first opportunity the matter was taken up with you on November 1st, at which time it was explained the circumstances which limited or restricted the signing of the contract.

Within the hour after leaving your office the Excrow Agreement with Rainbow Uranium Corporation was cancelled and the Box Claims property is now restored in my name, and therefore free to negotiate with prospective operators to take over the Box Claims and exercise the DMEA contract.

As the result of prior advertisements in the Mining Record half a dozen applications have been received and all of them came from Wyoming and other northern states. Due to the recent snow storm Highways into that area were rendered impassable, and prevented the writer from driving north to contact these prospects. Several more days will transpire before access into Wyoming will be available, but forecast indicates another storm on the way. However, every effort will be made to interview the parties and consummate an operating agreement so that the DMEA proposed contract may be taken up as quickly as possible.

Although it was agreed that if this is not done by November 19th that I would return the contract for cancellation by your department. In view of the circumstances holding up the interviews I would appreciate an extension of this date to November 26th at the latest.

As soon as feasible I will proceed to Douglas, Wyoming, and attempt to close some kind of a deal.

Very truly yours,

Harlan D. Fowler

Harlan D. Fowler.

11/6/56
Copies sent to
Chairman (2)
Harshman
Shaw
Townsend.

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

OCT 18 1956

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

Re: Docket No. DMEA-4026 (Uranium)
Harlan D. Fowler
Bar Claims
Converse County, Wyoming

Dear Mr. Traver:

Enclosed are the original and five copies of a proposed short-form contract between the Government and Harlan D. Fowler, signed by the Administrator. The contract consists of Form MF-200A; Annex I (one page); one Subordination Agreement; Exhibit "A," (three pages); and map (Figure 2). Also enclosed are two extra copies each of Annex I, Exhibit "A," and map (Figure 2) for the use of the Field Team.

If you and the Operator find the contract satisfactory, it is ready for the signature of the Operator, provided that a suitable final starting date is inserted under Article 1.

The program and costs recommended by the field examiners have been incorporated into the contract without change with the exception that the unit cost for chemical analysis for uranium was reduced from $5.00 to $3.50 in accordance with the lowest rate available to the subject area.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

MChing/izm 10-15-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

APPROVED:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

October 4, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-4026 (Uranium)
Harlan D. Fowler
Box Claims
Converse County, Wyoming

Will you kindly prepare a short-form contract between the Government and Harlan D. Fowler in accordance with the attached draft.

Six copies of an executed Subordination Agreement and nine copies of a map (Figure 2) are attached for use with the contract.

/s/ Ernest Wm. Ellis

Ernest Wm. Ellis

MChing/gla
cc to: Docket
Code 700
Mr. Ching

DRAFT
10/4/56
MChing/cla

MF-200A
(Rev. April 1956)

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

DMEA No.	*Commodity*	*Contract No. Idm-E*	*County*	*State*
1026	Uranium		Converse	Wyoming

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Harlan D. Fowler

whose mailing address is 1006 Corey Street
Longmont, Colorado

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 3 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $5,640.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $4,230.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: Royalty claims of Lone Uranium Corporation, Richard L. Peterson, Richard H. McCormick, John Fryback, and John F. Horton

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: Subordination Agreement of above Royalty claimants.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 10. *Changes and added provisions.*—

.....

.....

.....

.....

.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

.....
(Operator)

By .....

By .....

.....

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

.....

[CORPORATE SEAL]

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

DRAFT
10/4/56
MWhing/gla

EXPLORATION PROJECT CONTRACT
HARLAN D. FOWLER
DMEA-4046

ANNEX I

The land referred to in Article 2 of the Contract consists of 11 unpatented mining claims situated in sec. 4, T. 35 N., R. 72 W., 6th P.M., Converse County, Wyoming.

The claims are shown on the map entitled "Figure 2 - Geologic Map and Location of Proposed Stage I Holes, Harlan D. Fowler, Box Claims, Converse County, Wyo. DMEA 4046," attached hereto and made a part hereof. The notices of location of the claims are filed for record in the Office of the County Recorder of Converse County, Wyoming, as follows:

Claim	Original Book	Original Page	Amended Book	Amended Page	Amended Book	Amended Page
Box No. 1	256	331	270	505	271	15
" " 2	"	332	"	506	"	16
" " 3	"	333	"	507	"	17
" " 4	"	334	"	508	"	18
" " 5	"	335	"	509	"	19
" " 6	"	336	"	510	"	20
" " 7	"	337	"	511	"	21
" " 8	"	338	"	512	"	22
" " 9	"	339	"	513	"	23
" " 10	"	340	"	514	"	24
" " 11	"	341	"	515	"	25

DRAFT
10/4/56
MChing/gla

EXPLORATION PROJECT CONTRACT
HARLAN D. FOWLER
DOCKET NO. DMRA-4026

Description of the Work

General Provisions

The work consists of exploration by non-core drilling to test the sandstone lenses of the Wasatch formation of Eocene age. The location of the work is indicated on the map (Figure 2) referred to in Annex I.

Three separate sandstone lenses exposed on the property contain zones of color change from buff or gray to red, which are considered favorable for uranium deposition. The stratigraphic interval between the top of the upper lens and the bottom of the lower lens is approximately 125 feet, hence drill holes designed to explore all three lenses are expected to be approximately of that depth.

Drill holes shall have a diameter that will permit easy probing. Drill cuttings shall be collected with a Duolone sample collector or equivalent unit. Samples shall be taken at 2½-foot intervals except in mineralized zones where the interval shall be reduced to 1 foot. Samples shall be checked for radioactivity and those indicating significant mineralization shall be analyzed chemically for uranium. A portion of all samples taken shall be properly labeled and stored for inspection and disposition by the Government.

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

No payment shall be made for uncompleted holes.

The project shall be supervised at all times by a competent engineer or geologist.

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

The work shall be divided into two stages as hereinafter described. The Operator shall complete Stage I and shall perform as much of the work under Stage II as the Government approves in writing in advance.

Stage I

~~Holes~~ Holes numbered 1 through 18 shall be drilled at the positions indicated on the map (Figure 2), for a total footage of approximately 2025. Holes 1 through 15 shall be drilled through all three sandstone lenses to explore for ore bodies that may occur in them. Average depth of these holes is expected to be 125 feet. Holes 16, 17, and 18 shall be drilled through the middle sandstone lens only and are expected to average 50 feet in depth. In general, all holes shall be drilled on a 200-foot grid. Omit locations where holes have already been completed prior to the present operations. In the event the 18 holes require more than 2025 feet to reach the desired horizons, the additional footage and funds required may be transferred and deducted from Stage II upon the written approval of the Government. Not more than 36 samples shall be analyzed chemically.

Stage II

Drill not more than 37 holes, approximately 125 feet deep and aggregating not more than 4,625 feet, in the general vicinity of the holes numbered 1 through 15 of StageI, and drill not more than 6 holes, approximately 50 feet deep and aggregating not more than 300 feet, in the general vicinity of holes 16, 17, and 18 of Stage I. These holes shall be used to offset previously drilled holes that show significant mineralization or to delineate or extend favorable ground found in Stage I drilling. Holes drilled for delineation or extension of favorable ground shall be drilled at least 100 feet from any previously drilled hole and holes drilled as offsets to mineralized holes shall be drilled at least 50 feet from any previously drilled hole. Not more than 86 samples shall be analysed chemically.

Estimated Cost of the Project

(Fixed Unit Costs)

Stage I		
2,025 feet of non-core drilling @ $0.75/ft.	$1,518.75	
36 chemical sample analyses @ $3.50/sample	126.00	
Estimated total cost of Stage I		$1,644.75
Stage II		
4,925 feet of non-core drilling @ $0.75/ft.	$3,693.75	
86 chemical sample analyses @ $3.50/sample	301.00	
Estimated total cost of Stage II		$3,994.75
Estimated total cost of the project (rounded)		$5,640.00
Government participation @ 75%		$4,230.00

700

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

OCT - 5 1956

Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
22d New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4025 (Uranium)
Harlan D. Fowler
Bear Claims
Converse County, Wyoming

Dear Mr. Traver:

In connection with your memorandum of September 28 regarding the present status of the subject docket, we are enclosing copies of letters, dated September 9 and September 30, 1956, from Harlan D. Fowler, which are self-explanatory.

We are in process of preparing a contract between the Government and Harlan D. Fowler as originally proposed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

MChing/gla
10-4-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching

1006 Corey Street,
Longmont, Colorado,
September 30, 1956

U. S. Department of the Interior,
Defense Minerals Exploration Adm.,
Attention: Mr. Ernest Wm. Ellis,
Washington 25, D. C.

Re: DocketDMEA-4026
(Uranium) Box Claims
Converse County,
Wyoming.

Dear Mr. Ellis:

Since there appears to be no satisfactory solution to Rainbow Uranium Company's problem I am notifying them of the cancellation of our escrow agreement. In the meantime I am seeking an operator to take over the mining of the Box Claims.

As I am to visit Washington on other business I plan to see you on either the 8th or 9th of October, at which time I could sign the DMEA contract if the processing has been completed.

Sincerely yours,

/s/ Harlan D. Fowler

Harlan D. Fowler

c
o
p
y

September 9, 1956

U. S. Department of the Interior,
Defense Minerals Exploration Adm.,
Attention: Mr. Ernest Wm. Ellis,
Washington 25, D. C.

Re: Docket DMEA 1026
(Uranium) BoxClaims
Converse County, Wyoming.

Dear Mr. Ellis:

This acknowledges yoursof August 28th as well as the one of July 26th addressed to Early and Keller, attorneys for the Rainbow Uranium Co.

The sale of my properties was negotiated some five months ago, and on June 1, 1956, the Rainbow Uranium Company stock was offered to the public by the Carroll & Company, underwriters. However, the sale of this stock has been so slow, which is common with all uranium stocks, that the company has not obtained the required cash to carry out their plans.

My properties are in escrow covered by a substantial amount of cash payment. The agreement expires September 15, 1956 at which time the Rainbow people will have to decide their course of action. It is very possible the properties may revert back to me and if they are I shall request for the completion of the processing of my application for the DMEA and proceed with the mining operation.

Kindly defer action of my application until we can determine what course is taken. This should be done within the next few weeks and certainly by October 1st.

It is under these circumstances you have not received any acknowledgement of yourJuly 26th letter.

Sincerely,

/s/ Harlan D. Fowler

Harlan D. Fowler

c
o
p
y

700

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

AUG 27 1956

Mr. Harlan D. Fowler
1006 Corey Street
Longmont, Colorado

Re: Docket No. DMEA-4026 (Uranium)
Box Claims
Converse County, Wyoming

Dear Mr. Fowler:

Reference is made to the Administrator's letter of July 26, 1956, a copy of which was forwarded to Early and Keller, attorneys for the Rainbow Uranium Company, in response to their letter of July 18. Our letter requested copies of the document covering the sale by you of Box Claims Nos. 1 through 11 to the Rainbow Uranium Company, together with other information.

Action on your application is pending receipt of the information requested in the above-mentioned letter. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

cc to: Early and Keller
Attorneys at Law
316 Symes Building
Denver 2, Colorado

EWEllis;gla:izm
8-27-56
cc to: Docket
Code 700
Mr. Ellis
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

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

Mr. Harlan D. Fowler
1006 Corey Street
Longmont, Colorado

JUL 2 7 1956

Re: Docket No. DM A-4026 (Uranium)
Box Claims
Converse County, Wyoming

Dear Mr. Fowler:

We have received a letter, dated July 18, 1956, from Early and Keller, attorneys for Rainbow Uranium Company, requesting advice as to how to proceed in transferring the subject application to Rainbow Uranium Company.

In this connection, it will be necessary for you to send us two copies of the document covering the sale by you of Box Claims Nos. 1 through 11 to Rainbow Uranium Company. You should also submit a formal request that we consider your original application, dated October 1, 1955, for aid in an exploration project, as if it had been made by Rainbow Uranium Company, and that any contract resulting from the application be drawn in the name of Rainbow Uranium Company.

Upon receipt of the above-described documents we shall continue to process the application in the name of Rainbow Uranium Company.

Sincerely yours,

C. O. Mittendorf

Administrator

Copy to: Early and Keller
MChing/izm 7-25-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210½ GSA

700

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

Early and Keller
Attorneys at Law
316 Symes Building
Denver 2, Colorado

Att: Mr. Norman F. Early

Re: Docket No. DMEA-4026 (Uranium)
Harlan D. Fowler
Box Claims
Converse County, Wyoming

Gentlemen:

In connection with your letter of July 18, 1956, regarding the subject application we are enclosing a copy of a letter of even date to Harlan D. Fowler, which you will find self-explanatory.

In order that we may complete our records please send us the mailing address of Rainbow Uranium Company and the names, titles and addresses of its officers. Also, state the operating experience and background of the company with relation to the ability to carry out an exploration project, and also those of the person or persons who will supervise the operations.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosure

MChing/izm 7-25-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

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

Mr. Harlan D. Foster
1006 Carey Street
Longmont, Colorado

Re: Docket No. DMEA-1026 (Uranium)
Sun Claims
Converse County, Wyoming

Dear Mr. Foster:

We have received the Subordination Agreement and supporting documents, requested by us in recent correspondence, from your attorneys, Lacer, McCarty & Flanders. They appear to be in order and we are now in a position to continue the processing of your application. Please ignore our letter of June 11 which crossed your attorneys' letter in the mails.

We note, however, that negotiations are under way for sale of the Sun claims to Rainbow Uranium Company in the very near future. If the Rainbow Uranium Company is to take over, we would require two copies of the deed or agreement covering the transfer and a letter from you formally withdrawing your application under Docket No. DMEA-1026 for aid in an exploration project. It would then be necessary for Rainbow Uranium Company to submit a new application in quadruplicate, tying in the new application to the old docket number by reference. We would then assign a new docket number to the application. The only new information required would be that connected with Rainbow's organization. If new liens are created due to the transfer of property, additional Subordination Agreements would be required.

Please advise us promptly of your intentions.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/gla
6-21-56
cc to: Adm.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKillingsard, Rm. 5224
JHCarted, Ext. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

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

APR 13 1956

Mr. Harlan D. Fowler
1006 Carey Street
Longmont, Colorado

Re: Docket No. DMEA-4026 (Uranium)
Box Claims
Converse County, Wyoming

Dear Mr. Fowler:

Reference is made to our letter of March 7, 1956, relating to the captioned docket.

Action on your application is pending receipt of the documents requested in the above-mentioned letter, and your confirmation that all eleven Box Claims are to be included under the the proposed project. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/izm 4-13-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Region III (2)
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

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

MAR 7 1956

Mr. Marlan D. Fowler
1006 Carey Street
Longmont, Colorado

Re: Docket No. DMEA-4026 (Uranium)
Box Claims
Converse County, Wyoming

Dear Mr. Fowler:

We have received a Report of Examination on the subject claims from our Region III Field Team and note that one or more parties hold overriding royalty claims against the property.

Under these circumstances, if an exploration contract is entered into with you, the Government will require a Subordination Agreement, signed by all the parties holding royalty claims against the property.

Accordingly, we are enclosing seven prepared forms, the original and five copies of which are to be dated and signed by the above-mentioned claimants and returned to this office.

It is also requested that you furnish us with two copies of the deed or agreement under which such royalty claims are provided for.

It is our understanding that it is agreeable to you that we include all eleven Box Claims under the proposed project. This means, of course, that, in the event a contract is signed, production from any of the claims during the term within which the Government may certify a discovery, would be subject to royalty payments and, if a discovery is certified by the Government, such royalty payments would be due for a period of 10 years from the date of the contract or until the Government's contribution is repaid, whichever occurs first. This rule would apply even though you are already producing from the property; that is, royalty payments to the Government would begin from the date of the contract, on all production, regardless of when the discovery was made.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Enclosures

Messers. JECrawford, Rm. 3641
THKillsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

MChing/izm 3-7-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Region III (2)

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

RECEIVED MAR - 5 1956

March 1, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4026 (Uranium), Harlan D. Fowler, Box Claims, Converse County, Wyoming

Enclosed are the original and three copies of a Joint Engineering and Geologic Report on the subject docket.

The field examiners conclude that the program of exploration proposed by the applicant is not justified, and they recommend a modified program of drilling in two stages at an estimated total cost of $5,882.50. We concur in this recommendation.

The applicant included Box Claims Nos. 1-11 inclusive in his application, and we recommend that all of these claims be included in the proposed contract.

We note that this group of claims is subject to an overriding royalty by the original locators of these claims. We presume that your office plans to request the Subordination Agreement since your letter of November 2, 1955 did not request this office to obtain the Subordination Agreement.

Enclosed for possible use in the contract are nine extra copies of Figure 2.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
3-9-56
(date)

IN REPLY REFER TO:

DMEA
Date Rec'd
FEB 29 1956

RECEIVED
MAR 5 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

BUREAU OF MINES
Denver, Colorado

February 27, 1956

TRANSMITTED
MAR 1 1956

Memorandum

To: Executive Officer DMEA Field Team, Region III

From: John Shaw
E. N. Harshman

Subject: DMEA Docket 4026 (Uranium), Harlan D. Fowler, Box claims, Converse County, Wyoming

Enclosed are the original and nine copies of a joint engineering and geologic report by Carl Belser, U. S. Bureau of Mines, and E. N. Harshman, U. S. Geological Survey, covering their recommendations on the subject application for exploration assistance.

The applicant proposes a program of exploration on the Box group of claims consisting of 21,000 feet of drilling, 200 feet of drifting and 15,000 cubic yards of bulldozer excavation at an estimated total cost of $20,900.

The property was examined by Carl Belser, and the geologic discussions are based on information furnished by Wm. N. Sharp, U. S. Geological Survey, who is currently mapping in the area and is very familiar with the subject property.

It is concluded that the program of exploration proposed by the applicant is not justified but that a much reduced program of drilling on the Box 3, 4, 10, and 11 claims may result in the discovery of modest uranium ore reserves.

A two stage program of drilling, consisting of 18 first stage and 37 second stage holes, at an estimated cost of $5,822.50, is recommended.

Received by
DMEA CONTRACTS COMMITTEE
3-9-56
(date)

John F. Shaw
Superintendent of the Denver
Experiment Station

E. N. Harshman, Member, Field Team

Enclosures (10)

RECEIVED
MAR - 5 1956
TRANSMITTED
MAR 1 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 4026

Box Claims

Harlan D. Fowler

Converse County, Wyoming

Uranium

Joint Engineering and Geological Report

by

Carl Belser, Mining Engineer
Bureau of Mines

E. N. Harshman, Geologist
Geological Survey

February 24, 1956

Reviewed by
DMEA OPERATING COMMITTEE
3-9-56
(date)

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ILLUSTRATIONS

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2. Geologic map and location of proposed Stage I holes, Harlan D. Fowler, Box claims, Converse County, Wyoming. DMEA 4026	8

DMEA 4026

RECEIVED
MAR - 5 1956

BOX CLAIMS
HARLAN D. FOWLER
CONVERSE COUNTY, WYOMING

INTRODUCTION AND SUMMARY

Harlan D. Fowler, 1006 Cores Street, Longmont, Colorado, on October 1, 1955, applied for exploration assistance on his Box group of claims. The applicant proposed to explore the Wasatch formation by 21,000 feet of drilling, 200 feet of drifting, and 15,000 cubic yards of bulldozing at a total estimated independent contract cost of $20,900.

The property was examined by Carl Belser, Bureau of Mines, on November 30, 1955. The geologic part of this report is based on data supplied by William N. Sharp, Project Chief for the U. S. Geological Survey's Southern Powder River Basin Studies. The Box group, as submitted, consists of eleven unpatented claims. About 6,000 feet of drilling has been done by the A. E. C., Loma Uranium Company, and Harlan D. Fowler (fig. 2). Pits have been opened on Box claims nos. 4, 5, and 10.

The Box claims are in an area underlain by sandstones, siltstones, and claystones of the lower part of the Wasatch formation. Uranium deposits in the area are associated with sandstones and more particularly a color change from white, buff, or grey, to red. A color contact in a sandstone lens has been exploited by pits on the Box 4 and 5 claims and on the Box 10 claim. A production of about 500 tons of ore has

been made from the Box 4 and 5 claims and 300 tons from the Box no. 10 claim. Records on the first shipment show an average U_3O_8 content of 0.242 percent.

The examiners believe that exploration for additional ore in the red sandstone horizon containing the known ore bodies is warranted. They recommend an exploration program consisting of 6,950 feet (61 holes) of dry drilling at an estimated cost of $5,822.50, Government participation at 75 percent or $4,366.68.

ACKNOWLEDGMENTS

Harlan D. Fowler accompanied the examiner during the investigation.

The A. E. C. was consulted regarding the area before the examination was made.

LOCATION, TOPOGRAPHY, AND CLIMATE

The property included in the application consists of eleven unpatented claims in section 1, T. 35 N., R. 72 W., 6th P. M., Converse County, Wyoming (fig. 1).

The eleven unpatented claims lie on the northwest side of Box Creek at altitudes ranging from a low of about 5,150 feet on Box no. 6 claim to a high of 5,322 feet on Box no. 1 claim. Rainfall is light and operations can be carried on the year around although the winters are cold and windy. A 25-mile road, of which the first 15 miles are dirt, connects the property with the town of Douglas on U. S. Highway No. 87. The ore-buying depot is at Edgemont, S. D., 155 miles distant.

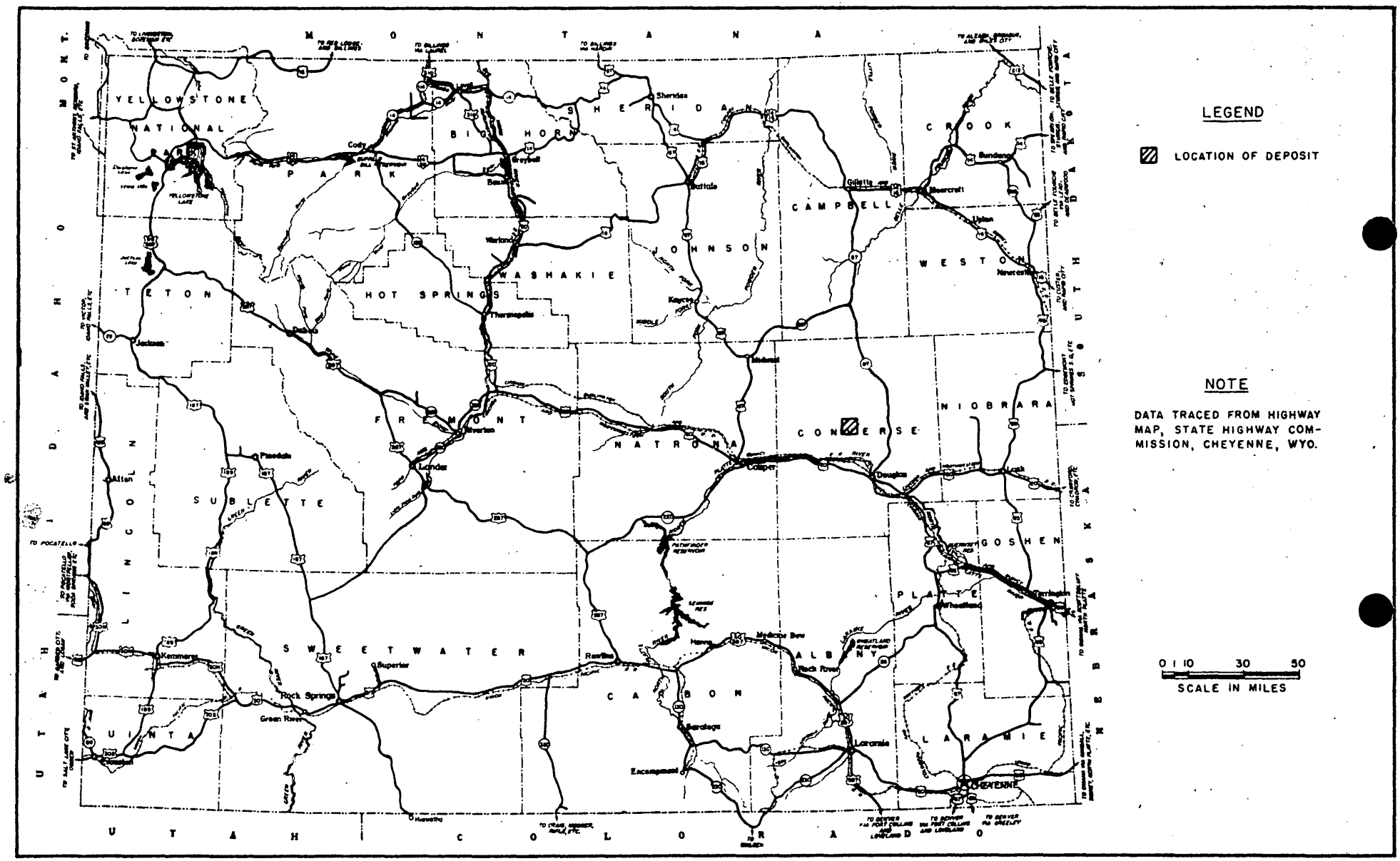


FIGURE 1 - LOCATION MAP, BOX CLAIMS, HARLAN D. FOWLER, CONVERSE COUNTY, WYO. DMEA 4026

Two railroads, the Chicago, Burlington, and Qunicy and the Chicago and Northwestern pass through Douglas. No timber is available near the property. Labor and supplies can be procured at Douglas. Water for drilling and mining use can be obtained from nearby Box Creek.

HISTORY AND PRODUCTION

also B.J. Petersin

The Box claims were located on June 1, 1953, by R. L. Peterson, V. H. Knisely, and J. Anderson. The claims were transferred to the American Uranium Company which in turn deeded them to the Loma Uranium Corporation. The A. E. C. drilled some holes on the claims in 1954. Later additional holes were drilled by both Loma and Fowler. On June 30, 1955, the property was obtained by Harlan D. Fowler.

Fowler has produced about 500 tons of ore from an open pit on the Box 4 and 5 claims and about 300 tons from a pit on the east end of the Box no. 10 claim. The first 168 tons shipped averaged 0.242 percent U_3O_8.

OWNERSHIP AND EXTENT

The property consists of the Box no. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 claims. These eleven unpatented claims are in a solid group, are owned by Harlan D. Fowler, and are subject to an overriding royalty by the original locators. The following is taken from the records of the County Recorder of Converse County, Wyoming:

LOCATIONS

Claim No.	Book	Page	Locator	Discovery Date	Date Recorded
Box no. 1	256	331	V. H. Knisely	6/1/53	6/8/53
Box no. 2	"	332	J. Anderson	"	"
Box no. 3	"	333	B. J. Peterson	"	"
Box no. 4	"	334	R. L. Peterson	"	"
Box no. 5	"	335	V. H. Knisely	"	"
Box no. 6	"	336	B. J. Peterson	"	"
Box no. 7	"	337	V. H. Knisely	"	"
Box no. 8	"	338	B. J. Peterson	"	"
Box no. 9	"	339	R. L. Peterson	"	"
Box no.10	"	340	V. H. Knisely	"	"
Box no.11	"	341	J. Anderson	"	"
Filed pursuant to Public Law 585-Lease Application					
Box no. 1	265	452	American Uranium Corp.		5/4/54
Box no. 2	"	453	" " "		"
Box no. 3	"	454	" " "		"
Box no. 4	"	455	" " "		"
Box no. 5	"	456	" " "		"
Box no. 6	"	457	" " "		"
Box no. 7	"	458	" " "		"
Box no. 8	"	459	" " "		"
Box no. 9	"	460	" " "		"
Box no.10	"	461	" " "		"
Box no.11	"	462	" " "		"

Filed pursuant to public law 585-amended

Claim No.	Book	Page	Locator	Date Recorded
Box no. 1	271	15	American Uranium Corp.	11/8/54
Box no. 2	"	16	" " "	"
Box no. 3	"	17	" " "	"
Box no. 4	"	18	" " "	"
Box no. 5	"	19	" " "	"
Box no. 6	"	20	" " "	"
Box no. 7	"	21	" " "	"
Box no. 8	"	22	" " "	"
Box no. 9	"	23	" " "	"
Box no.10	"	24	" " "	"
Box no.11	"	25	" " "	"

Amended Locations

Box no. 1	270	505	Loma Uranium Corp.	11/1/54
Box no. 2	"	506	" " "	"
Box no. 3	"	507	" " "	"
Box no. 4	"	508	" " "	"
Box no. 5	"	509	" " "	"
Box no. 6	"	510	" " "	"
Box no. 7	"	511	" " "	"
Box no. 8	"	512	" " "	"
Box no. 9	"	513	" " "	"
Box no.10	"	514	" " "	"
Box no.11	"	515	" " "	"

Quit Claim Deeds

Claim No.	Book	Page	Locator	Date Recorded
Box no. 1-Box no.11	266	219	V. H. Kinsely to Loma Uranium Corp.	6/29/54
" " "	266	220	R. L. Peterson " " "	"
" " "	266	221	B. J. Peterson " " "	"
" " "	266	228	J. Anderson " " "	7/6/54

An overriding royalty agreement, dated 6/25/54, between Loma Uranium Corp. and Richard L. Peterson is recorded in Book 266, page 213.

Proof of labor, dated 6/23/55, is filed in Book 278, page 505.

A transfer of the claims from the Loma Uranium Corp. to Harlan D. Fowler is recorded on 6/30/55, in Book 279, page 481 and a second instrument is reocrded on 7/28/55, in Book 279, page 484.

The claims appear to be in order and no conflicting stakes were noticed on the property.

PRESENT STATUS

Exploration and Development

Pits have been dug on Box claims nos. 4, 5, and 10. The A. E. C. has done about 3,000 feet of drilling, the Loma Uranium Corp. about 2,500 feet, and Harlan D. Fowler has recently done some drilling on Box claims no. 1 and no. 2. No data from this recent drilling are available.

Mining and Milling Equipment and other Facilities

There is no milling equipment on the property. Mining is done by a Mr. Lawrence on a split-check basis. Equipment consists of the following:

1 T.D.-14 International tractor
2 D-7 Caterpillar bulldozers
1 Rock Ripper for use with caterpillar
1 Tourneaupull
1 D4 Caterpillar with loader and scoop
1 Longyear type A diamond drill
1 Gardner-Denver 210 cfm, gasoline driven compressor
1 complete welder unit
1 pickup for water and fuel
2 pickups for general use

The above equipment has been in use by Mr. Lawrence in carrying on mining operations on the property.

GEOLOGY AND ORE DEPOSITS

The Box claims are located in the southern part of the Powder River Basin in Converse County, Wyoming. Rocks of the Wasatch formation of Eocene age underlie most of the Basin. The Pumpkin Buttes in the central part of the Basin, are capped by the White River formation of Oligocene age. Immediately underlying the Wasatch formation is the Ft. Union formation of Paleocene age which is exposed around the margins of the Basin.

The Wasatch formation is composed predominantly of fine-grained fluvial sediments, interbedded claystone and siltstone. Irregularly spaced throughout this sequence are lenses of sandstone. In the southern part of the basin, the sandstone lenses show a general

increase in grain size over those to the north; some are conglomeratic. Thin lignite beds and carbonaceous shale layers occur, randomly spaced throughout the section.

The Wasatch formation is typically drab in color throughout; however, a central zone containing red to partly red sandstone lenses, extends north along the axis of the Wasatch exposure to the Pumpkin Buttes. Occurrences of uranium minerals, chiefly carnotite, tyuyamunite and uranophane, have been found at many places in this central zone. It is significant that all uranium deposits thus far found in the Powder River Basin have been in sandstone and associated with the zone of color change from buff or gray to red.

The Box claims, in the southern part of the Powder River Basin, are in the lower part of the Wasatch formation which is approximately 300 feet thick in this area. This is also an area which contains partly red to red sandstone lenses interbedded with drab claystone and siltstone. Specifically a color change is present in sandstone lenses underlying Box claims 3, 4, 5, 6, 7, 10, and 11, as indicated on the accompanying map (fig. 2).

The color change is present in three separable sandstone units exposed in the area. The two mined areas are in one of these sandstone lenses and both pits overlie a color contact that trends northeast through the unit. The other two red sandstone lenses are not known to contain ore deposits in the Box claim area.

ORE RESERVES

Ore reserves in the immediate vicinity of the pit on the Box 4 and 5 claims and the pit on the Box 10 claim are estimated at 200 tons more or less with a grade of 0.20 to 0.25 U_3O_8.

PROPOSED EXPLORATION WITH COSTS

The applicant has proposed the following development program:

Drilling 21,000 feet of holes on the Box nos. 1, 2, 3, 4, 8, and 9 claims at 65¢ a foot	$13,650.00	
Driving 200 feet of drift on Box no. 1 claim at $25.00 a foot	5,000.00	
Removal of 15,000 cubic yards of overburden at 15¢ a yard	2,250.00	
Total		$20,900.00

There is no geologic evidence to justify the entire exploration program proposed by the applicant. Significant uranium deposits in the Powder River Basin have been found only in the sandstone lenses of the Wasatch formation and more specifically at the contact between red and lighter colored parts of individual sandstone lenses.

Geologic mapping and previous drilling (fig. 2) indicate that red sandstone does not lie, at a reasonable depth at least, beneath the Box 1, 2, 8, and 9 claims included in the exploration program proposed by the applicant. The results of probing by the applicant of 18 holes drilled on these four claims, shows considerable anomalous

radioactivity. These holes were drilled in the summer of 1954 and were not probed until October 1955, thus there is a strong probability that many of the applicant's Babbel counter readings result from contamination of the holes in the interval between drilling and probing. According to the A. E. C. much of the anomalous radioactivity they found was not related to uranium and only three of the holes drilled by them on the Box 1, 2, 8, and 9 claims were mineralized. They contained a maximum of between 0.06 and 0.09 percent U_3O_8 over narrow thicknesses.

The examining team, for the reasons outlined above, considers that drilling on the Box 1, 2, 8, and 9 claims must be considered as blind prospecting without geologic justification. Exploration on these four claims is not recommended.

The Box 3, 4, 5, 6, 7, 10, and 11 claims are underlain in part by sandstone lenses and more particularly color contacts between red and light colored sandstone (fig. 2). Three separate sandstone lenses, in part red, have been mapped by Sharp as shown on figure 2. The stratigraphic interval between the top of the upper lens and the bottom of the lower one is estimated to be about 125 feet.

No ore has been found on the Box claims in either the upper or lower red sandstone lens, the middle lens being the ore horizon in the pits on the Box 4 and 5, and Box 10 claims.

The first stage of the program proposed by the examining team is designed principally to explore for the northward and eastward continuation of the middle red sandstone lens and more particularly to explore on the Box claims nos. 3, 4, 10, and 11 (fig. 2) for

the northern and eastern color contact between the red sandstone and light colored sandstone. This contact should lie at a depth of about 60 feet below the surface. However, holes 1 to 15, inclusive, are proposed to a depth of 125 feet in order to explore for ore bodies that may occur in all three red sandstone lenses. Holes 16 to 18, inclusive, are recommended for 50-foot depths to explore only the middle sandstone lens since there is little or no probability that the lower red sandstone lens continues northeasterly from its outcrop to the area of the pit on the Box 10 claim.

Recommended second stage drilling consists of a maximum of 37 holes 125 feet deep and 6 holes 50 feet deep to be used as offsets around favorable first stage holes or to further explore contacts between red and light colored sandstone which may be favorable for ore deposits. Stage II holes should be drilled no closer than within 50 feet of any previously drilled hole and should be approved by DMEA before drilling. Lithologic and radiometric logs should be prepared by the applicant and no hole should be considered completed until such logs are submitted to DMEA.

Cost estimates for the recommended program follow:

Stage I

Independent Contracts

Dry drilling 1,875 feet (15 125-foot holes) at 65¢ a foot	$1,218.75	
Dry drilling 150 feet (3 50-foot holes) at 65¢ a foot	97.50	
Total independent contracts		$1,316.25

Labor and supervision			
Supervisor .3 month at $500/mo.	$ 150.00		
Total labor and supervision		$ 150.00	
Operating materials and supplies			
Oil, gas, and repairs for pickup	$ 30.00		
Total operating materials and supplies		$ 30.00	
Operating equipment			
Pickup furnished by applicant	none		
Initial rehabilitation and repairs	none		
New buildings, improvements, etc.	none		
Miscellaneous			
Reports and bookkeeping .3 month at $50/mo.	$ 15.00		
Liability and compensation insurance and payroll taxes, 9 percent of $165	14.85		
Total Miscellaneous		$ 29.85	
Total estimated cost 2,025 feet of Stage I drilling			$1,526.10
Estimated cost per foot			$ .75

Stage II

Independent contracts			
Dry drilling 4,625 feet (37 125-foot holes) at 65¢ a foot	$3,006.25		
Dry drilling 300 feet (6 50-foot holes) at 65¢ a foot	195.00		
Total independent contracts		$3,201.25	

Labor and supervision			
Supervisor .7 month at $500/mo.	$ 350.00		
Total labor and supervision		$ 350.00	
Operating materials and supplies			
Oil, gas, and repairs for pickup	$ 70.00		
Total operating materials and supplies		$ 70.00	
Operating equipment			
Pickup furnished by applicant	none		
Initial rehabilitation and repairs	none		
New buildings, improvements, etc.	none		
Miscellaneous			
Reports and bookkeeping .7 month at $50/mo.	$ 35.00		
Liability and compensation insurance and payroll taxes 9 percent of $385.	34.65		
Total miscellaneous		$ 69.65	
Total estimated cost for 4,925 feet of Stage II drilling			$3,690.90
Estimated cost per foot			$ .75

Summary of Costs

Stage I (18 holes)		
2,025 feet of dry drilling at 75¢ a foot	$1,518.75	
36 chemical assays at $5 each	180.00	
Total estimated cost of Stage I		$1,698.75

Stage II (43 holes)

4,925 feet of dry drilling at 75¢ a foot	$3,693.75		
86 chemical assays at $5 each	430.00		
Total estimated cost of Stage II		$4,123.75	
Total estimated cost of project			$5,822.50
Government participation at 75 percent or			$4,366.88
Time required for completion			1 month

CONCLUSIONS AND RECOMMENDATIONS

Ore deposits on the Box claim group of the applicant are related to contacts between red and light colored parts of sandstone lenses in the Wasatch formation. Three red sandstone lenses have been mapped by Sharp as shown on figure 2. Ore has been mined from the middle lens and exploration for additional ore is believed warranted in the area north and northeast of the pit on the Box 4 and 5 claims.

The ore potential of the area is not large and ore bodies with 500 to 1,000 tons of ore containing about 0.20 percent U_3O_8 are the maximum size that may be expected. Although drilling on 25-foot, or less, centers may be necessary to block out ore, drilling on 200-foot centers should delineate favorable areas and 50-foot offset holes should clearly indicate the potential of any particular mineralized area.

Government participation in a program of exploration estimated to cost $5,822.50 is recommended.

Crawford

1006 Corey Street,
Longmont, Colorado,
October 15, 1955.

DMEA
Date Rec'd,
OCT 17 1955
BUREAU OF MINES
Denver, Colorado

U.S.Department of Interior,
Bureau of Mines,
Attention: W.M.Traver,
New Customhouse Building,
Denver, Colorado.

Dear Mr.Traver:

Enclosed are quadruplicate copies of MF-103 form filled out, including B/P sketches of the Box Claims and photostats of statements of uranium ore shipped to the American Smelting & Refining Company. Also are three bids submitted by contractors, in quadruplicates, concerning the prevailing cost of drilling exploratory holes in this area. The delay in forwarding this application was due to obtaining these bids.

Also enclosed are newspapers' clippings from several Douglas, Wyoming, papers, pertaining to the recent development and mining operation of the Box Claims.(one copy)

Under paragraph 4-c of the application is noted the fact that considerable exploratory drilling has been done (Summer of 1954) by the AEC and Loma Uranium Company. Although some mining work was done by Loma no uranium ore was shipped and the entire project abandoned. After careful investigation and some exploration by a mechanical post hole driller, I bought the Box Claims and started operation July 30, 1955. Since that date we have shipped over 380 tons to Edgemont,S.D. and have a stockpile of about 90 tons ready to ship. Mining operation is expected to continue through the winter months.

A map of the AEC drilling program (not inclosed) indicated that their drilling work on claim #10 did not come near the spot where we discovered uranium ore and from which has been shipped about 125 tons. Also dispite the extensive drilling on claim #5 we discovered many bodies of high grade ore of which about 255 tons has been shipped.

This paradox requires some explanation. Where some of the AEC holes indicated mineralization we confined our drilled holes to close spacing near them, many only 10 feet apart. After opening the pit on claim #5 we found the ore pods were usually between the AEC holes which were spaced 50 feet apart. This happened so frequently it is now our regular procedure to drill holes at closely spaced intervals 10 to 15 feet apart and rarely over 35 feet deep.

Although the drilling schedule shown on the accompanying charts indicate widely spaced holes it is our conviction that a DMEA program should consider some plan similar to ours if exploration is to be successfully achieved. It is also believed our claims will develop many bodies of rich uranium ore if a careful drilling program is employed and thereby set a precedent for the rest of the Powder River Basin area.

Another situation which should be mentioned is that there is almost no continuous layer of hard sandstone or rock under the overburden. The ground is so soft in many places that many of the drilled holes would partly fill up from loose sand and thus prevent probing for mineralization at depths. For this reason drilling operation should come first and bulldoze afterward near the hottest holes to uncover the ore. In claim #10 we bulldozed down about 10 feet while in claim #5 we are now down to about 25 feet.

It was considered advisable to go into details about our operations in this letter rather than in the application at this time so the Government officials may give these factors proper consideration when the studying the application.

Very truly yours,

Harlan D. Fowler

Harlan D. Fowler.

Date Rec'd

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved
Budget Bureau No. 22-R1035.2.

BUREAU OF MINES
Denver, Colorado

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. 4026
Metal or Mineral Uranium
Date Received 10-20-55
Estimated Cost 20,900.
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Harlan D. Fowler
1006 Corey Street,
Longmont,
Colorado

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. None

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. None

(*d*) If a partnership, add to the above statement the names and addresses of all partners. None

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 Box Claims No.1 to 11 inclusive, located in Section One (1), Township Thirty-five (35) North, Range Seventy-two (72) West, Converse County, Wyoming. Mining Deed and Receipt recorded in Book 279 page 481 and 484, respectively.

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

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

(*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 None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Box Claims 1 to 11, Book 270 pages 505 to 515, from Lone Uranium Co. and Book 271 pages 15 to 25, from American Uranium Co.

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. See attached pages

(*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)? Yes

(*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 October 1, 1955

Harlan D. Fowler
(Applicant)

By .....

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

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

Harlan D. Fowler,
1006 Corey Sreet,
Longmont, Colorado.

4-a. Of the 11 claims we are confining exploration and mining activities to claims 5,6,7,10, and 11. Uranium ore has been mined and produced from claims 5 and 10. I have a mining operation agreement with Lawrence and Mellville concern as operator. The claims are 25 miles north of Douglas, Wyoming, and easily accessible to trucks and cars.

4-b. About 140 tons were shipped in August and over 165 tons in September. Drilling for reserves proceeds with the operation. The initial test shipment assayed 0.14 but later shipments dumped at Edgemont, S.D. has been 0.27 and 0.47, as determined by AEC at Grand Junction, Colo. We do not know the assays yet for the September shipments. See attached photostats.

4-c. The claims are in the Powder River Basin, in Watsatch formation (tw) in rolling country with few faults except where streams occur. Mineralization is carnotite and is found in pods or beds. This was one of the first places discovered by aerial reconnaisance anomoly about 2 years ago. The AEC has done about 3,000 feet of drilling and Loma Uranium Co. about 2,500 feet within the above mentioned claims in active operation. None has been done, so far as I know, in claims 1,2,3,4,8, and 9, the area in which we wish to explore further. It is believed ore will be found at depths greater than 100 feet as already found in other areas some 20 miles NW of the Box claims. We do not possess any engineering report, geologic or assay maps. We can refer you to the recent Geologic Survey Map MR 8216 entitled "The Uranium Deposits in the United States," which is helpful.

4-d. The roads to the Box Claims are very good, except possibly in inclement weather. Of the 25 miles of road from Douglas 10 miles are paved. It is 155 miles to Edgemont, S.D., the buying station for this area. Douglas is a self contained town of over 2,000 people, with several hotels and motels.

4-e. We do not seem to lack manpower, material, supply sources, water and power. We have our own equipment adequate for the purpose.

5-a. Carnotite is the mineral we have been mining with a small amount of vanadium.

5-b. Sketch showing the entire Box Claims is attached, in which are indicated the present mine operations. Separate map of each of claim 1,2,3,4, 8 and 9 are attached giving the location of the proposed exploration work to be accomplished, together with particular features of the terrain, etc.

5-c. The work will start within 10 days and be completed within 6 months, allowing for inclement weather, from the date of an exploration project contract.

5-d. The applicant is an Aeronautical Engineer of some 35 years experience, turned prospecting just a year ago in the Front Range area between Boulder and Fort Collins, Colo. Attended an adult class given by the University of Colorado, Denver, Colo, in prospecting, etc. last Fall. Has studied and observed various mining and drilling operations in Utah, Colorado, New Mexico and Wyoming, and studied the practical problem of reconciling radioactive count in relation to chemical assays, as applied to out of equilibrium ore.

The supervisor of operations is F.L. Lawrence, has been engaged in constructing dams, highways, and general bulldozing work for years as a contractor around Rapid City, S.D. and in Montana. A year ago he commenced prospecting and drilling exploration in the Pumpkin Buttes district, engaged in mining and evaluation of uranium ore. He is in charge of all similar operations on the Box Claims, with 4-5 men under him.

Harlan D.Fowler,
1006 Corey Street,
Longmont,Colorado.

6. Estimate of Costs.

a. It is proposed to drillng total of about 21,000 feet of holes in claims 1,2,3,4,8 and 9, as follows:

Claim 1	(contain a steep hill)	5,000 ft.
" 2	(continuation of hill)	3,500 "
" 3	(numerous draws)	5,000 "
" 4	(rolling land)	2,500 "
" 8	(" ")	2,500 "
" 9	(" ")	2,500 "
Total footage		21,000 "

Total cost of drilling @ 65¢ per foot ---------- $13,650.00

Attached are estimates from 3 drilling concerns for comparison. The highest point on claim 1 (about 200 feet high) may require some drifting with considerable timbering. 200 feet of drifting at $25.00 per foot ---------- 5,000.00

The rest of the operation will be by bulldozing to prove up the ore after favorable drilling and probe readings. Usually two caterpillar D7s and an International Tractor TD-14 are used simultaneously as considerable hard sandstone and boulders are encountered under the overburden. These cost $12.00 each per hour to operate. With these it is possible to remove material at 15¢ per cubic yard. Assuming about 2,500 cu.yds. per claim or a total of 15,000 cu.yds. ¢ 0.15 ---------- 2,250.00

Total estimated cost of exploration work ---------- 20,900.00

6-b. The men are experienced in bulldozing and drilling operation --- 4 @ $350.00 per month
1 assistant @ $200.00 " "
1 supervisor @ $600.00 " "
1 geologist @ $450.00 " "

6-c. Operating material and supplies is included.

6-d. Operating equipment is owned by the operator Mr. Lawrence.

1 International Tractor TD-14	$15,000	
2 Caterpillar D7	15,000	each
1 Rock Ripper used with caterpillar	2,500	
1 Tourneupull	15,700	
1 Loader and scoop (Cat D4)	11,600	
1 drilling outfit and air compressor (*)	17,600	
1 pickup for water,oil and fuel	650	
1 pickup	1,600	
1 pickup	500	
1 Complete acetylene and electric welder	2,600	

(*) Longyear Type A driller and Denver-Gardner 210 compressor

6-e. Rehabilitation and repairs. None

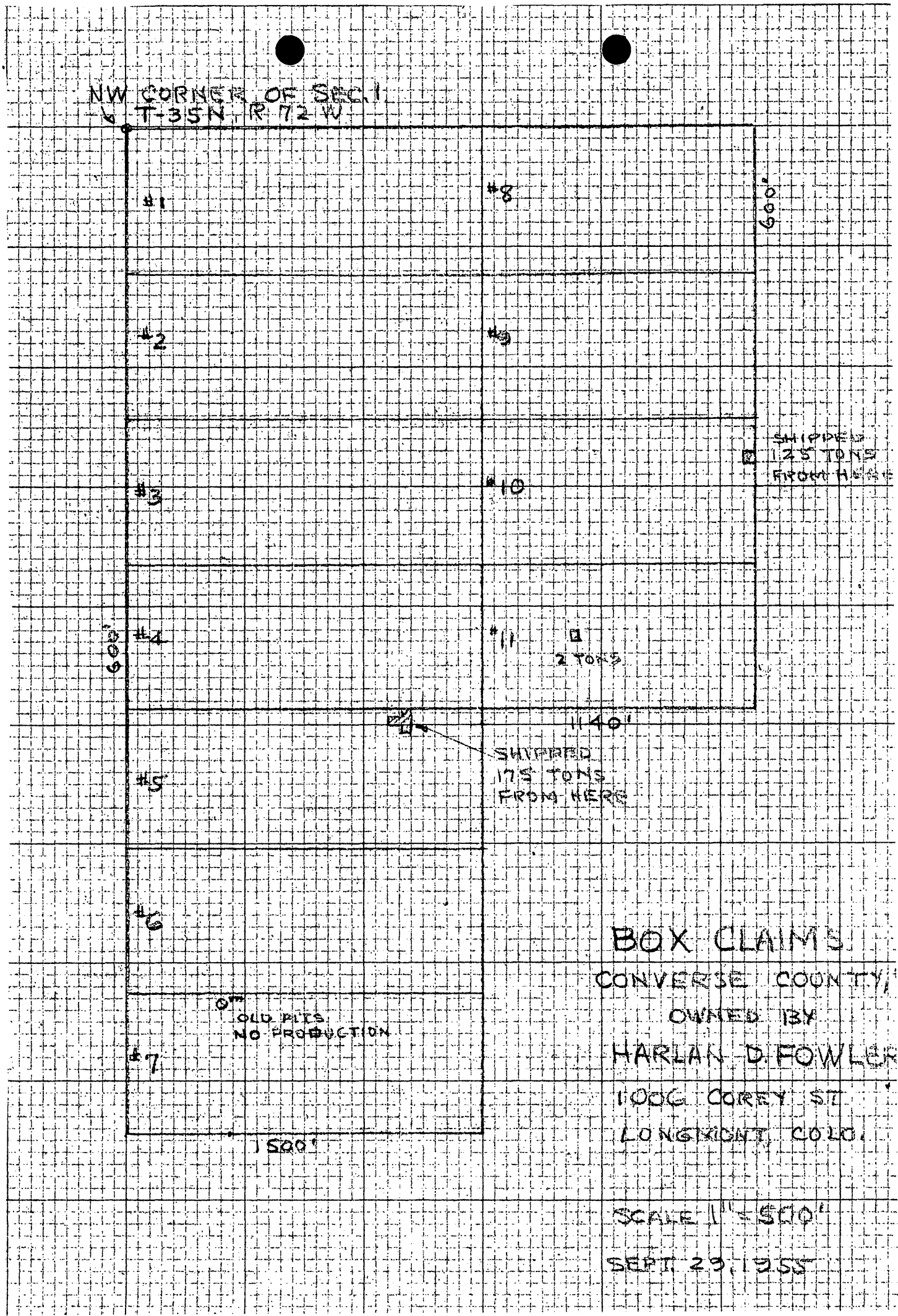
6-f. New buildings,improvements, installation. None

6-g. Miscellaneous. No cost for repairs and maintenance. Analytical work and accounting at $300.00 per month. Workmen's compensation 3.0% of payroll, employers' liability insurance 4.5% and payroll tax 2.0%.

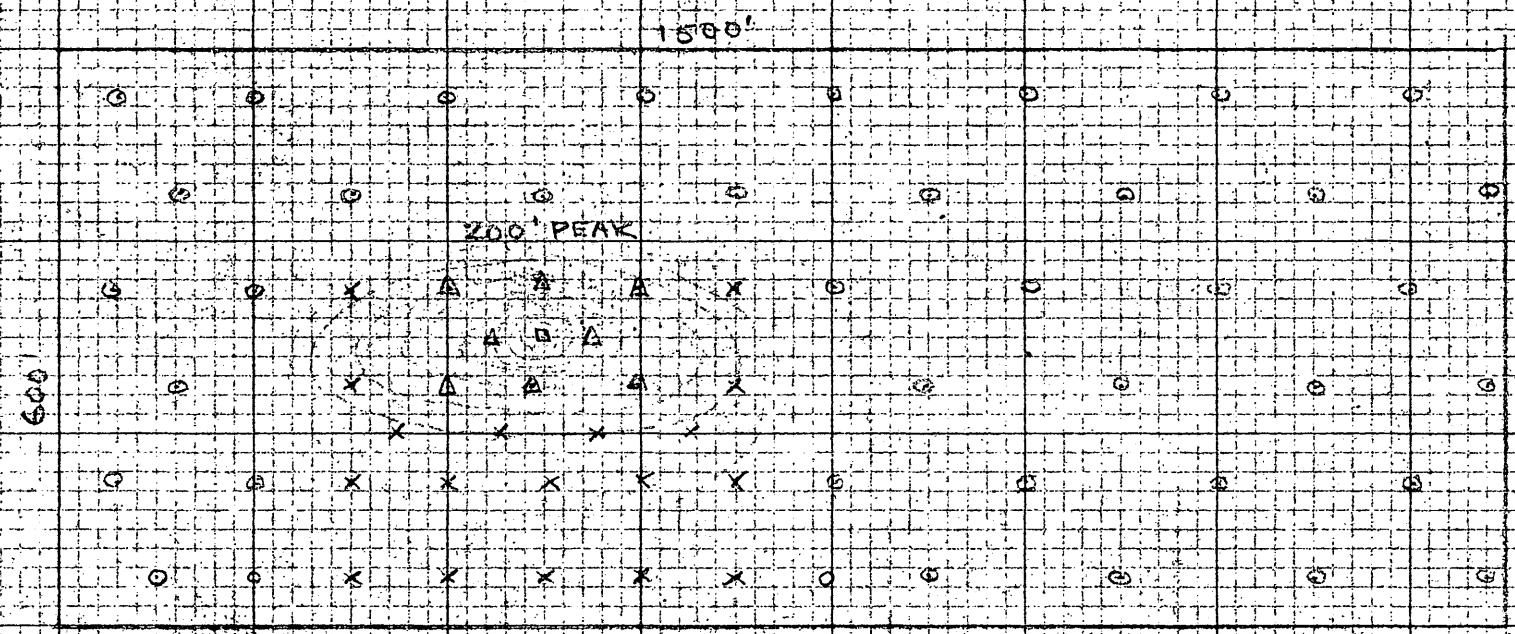
6-h. Contingencies. None

7-a. We are prepared to share our cost of the proposed project.

7-b. Money. It is proposed to defray our 25% obligation of DMEA by assuming on a pro-rata basis the cost of operating drilling and bulldozing equipments, with the government paying us the 75% cash.


NW CORNER OF SEC. 1
T-35N R 72 W
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
600'
600'
SHIPPED
125 TONS
FROM HERE
2 TONS
1140'
SHIPPED
175 TONS
FROM HERE
OLD PITS
NO PRODUCTION
1500'
BOX CLAIMS
CONVERSE COUNTY
OWNED BY
HARLAN D. FOWLER
1006 COREY ST.
LONGMONT, COLO.
SCALE 1" = 500'
SEPT. 29, 1955

BOX CLAIM #1



50 FEET HOLE O
100 " " X
150 " " Δ

40X50' HOLES	=	2000'
18X100' "	=	1800'
8X150' "		1200'
TOTAL "		5000'

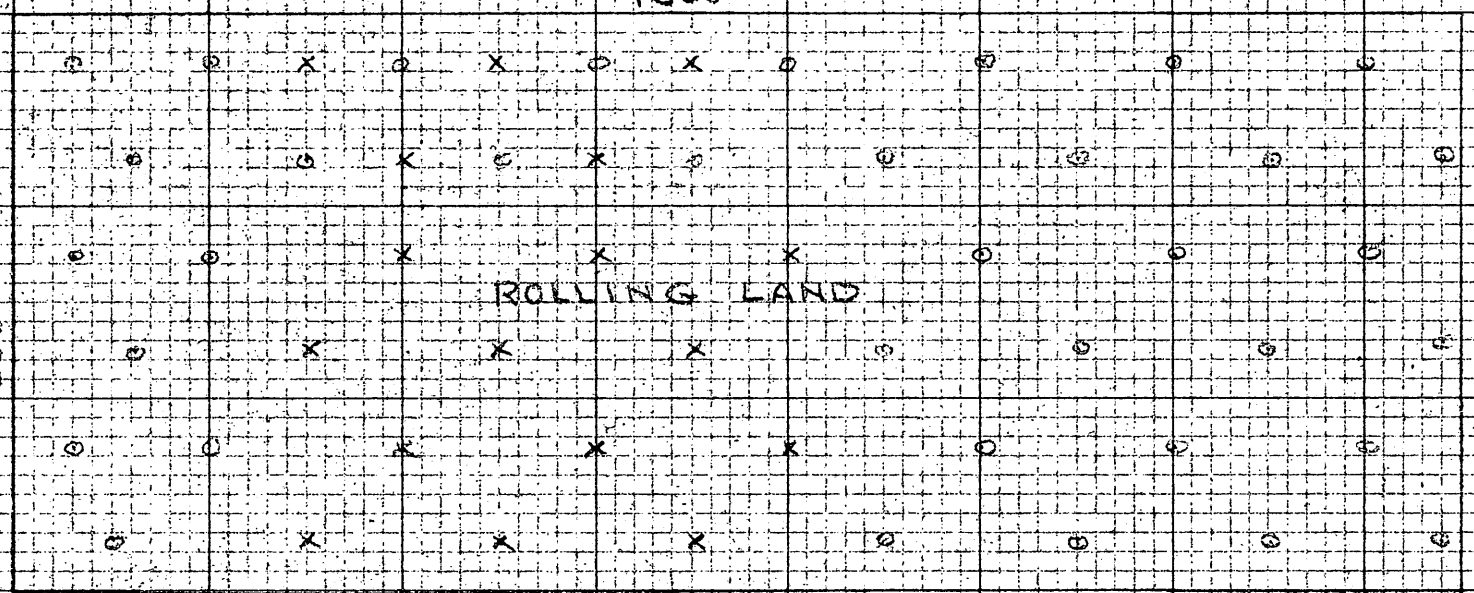
CONVERSE COUNTY, WYO

SCALE 1" = 200'

SEPT. 20, 1955

HARLAN D. FOWLER
1006 COREY ST.
LONGMONT, COLO

BOX CLAIM #2



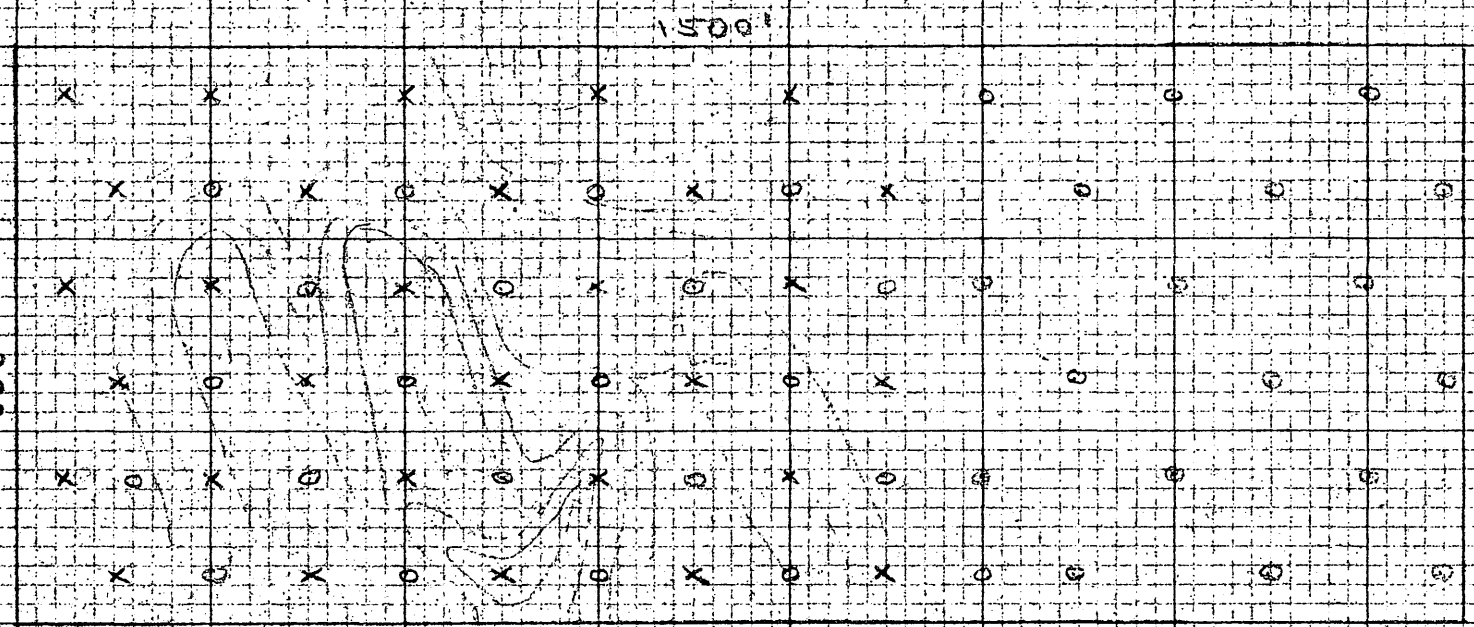
50 FEET HOLE O
100 " " X

36 X 50' HOLES = 1,800'
17 X 100' " = 1,700'
TOTAL " = 3,500'

CONVERSE COUNTY, WYO
SCALE 1" = 200'
SEPT. 29, 1955

HARLAN D. FOWLER
1006 COREY ST.
LONGMONT, COLO.

BOX CLAIM #3



50 FEET HOLE O
100 " " X

40 X 50' HOLES 2,000'
30 X 100' " = 3,000
TOTAL " 5,000'

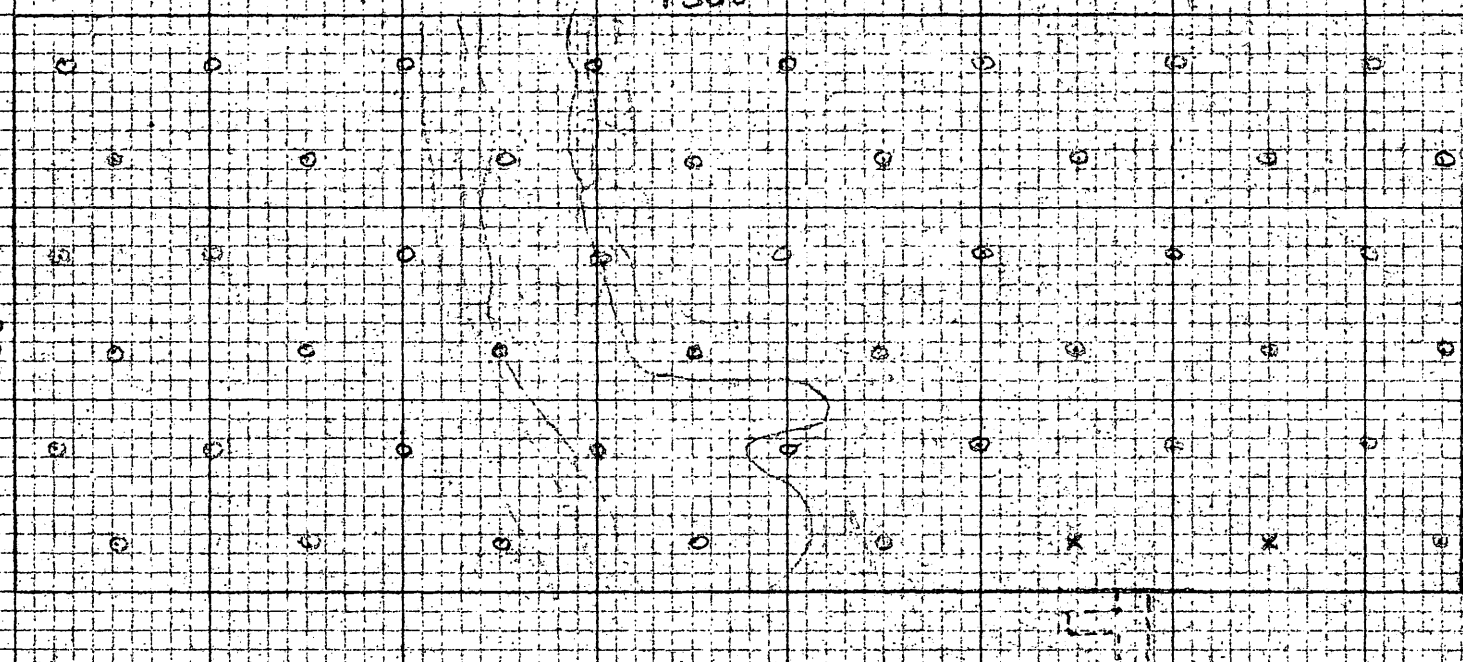
CONVERSE COUNTY, WYO.

SCALE 1" = 200'

SEPT 22, 1955

HARLAN D. FOWLER
1006 COREY ST
LONGMONT, COLO

BOX CLAIM #4



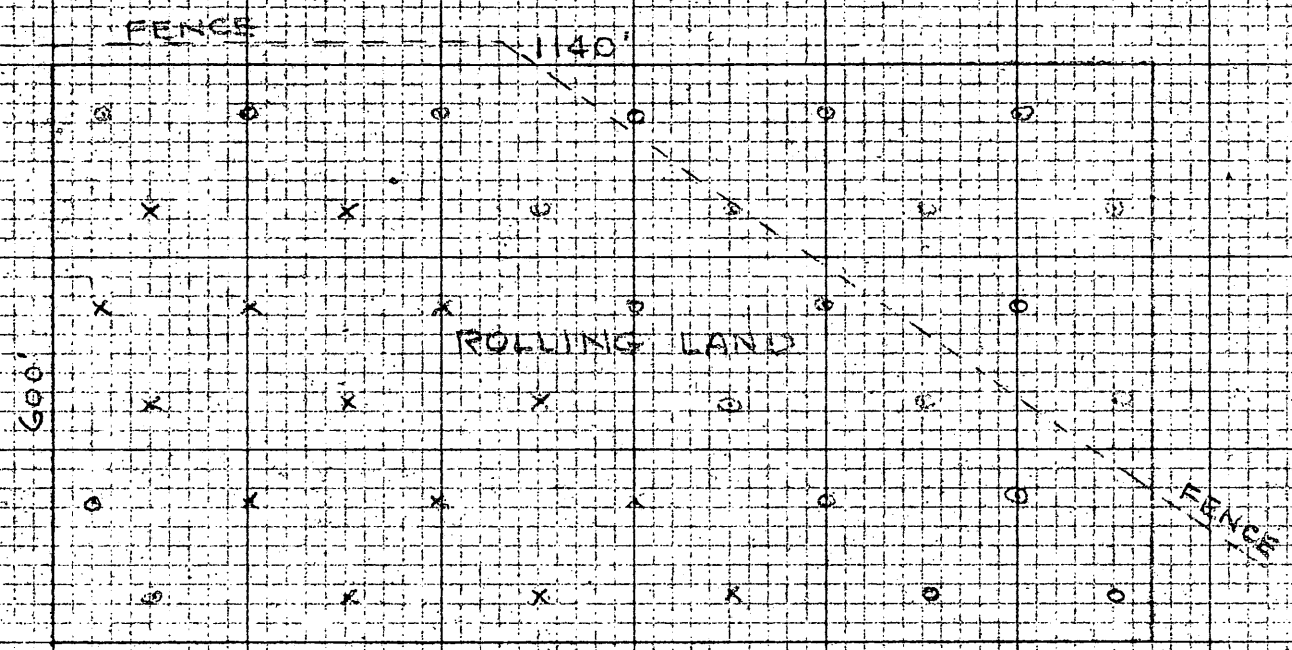
50 FEET HOLE O
00 " " X

46 X 50' HOLES = 2,300'
2 X 100' " = 200'
TOTAL 2,500'

CONVERSE COUNTY, WYO.
SCALE 1" = 200'
SEPT. 29, 1955

HARLAN D. FOWLER
1006 COREY ST.
LONGMONT, COLO.

BOX CLAIM #8



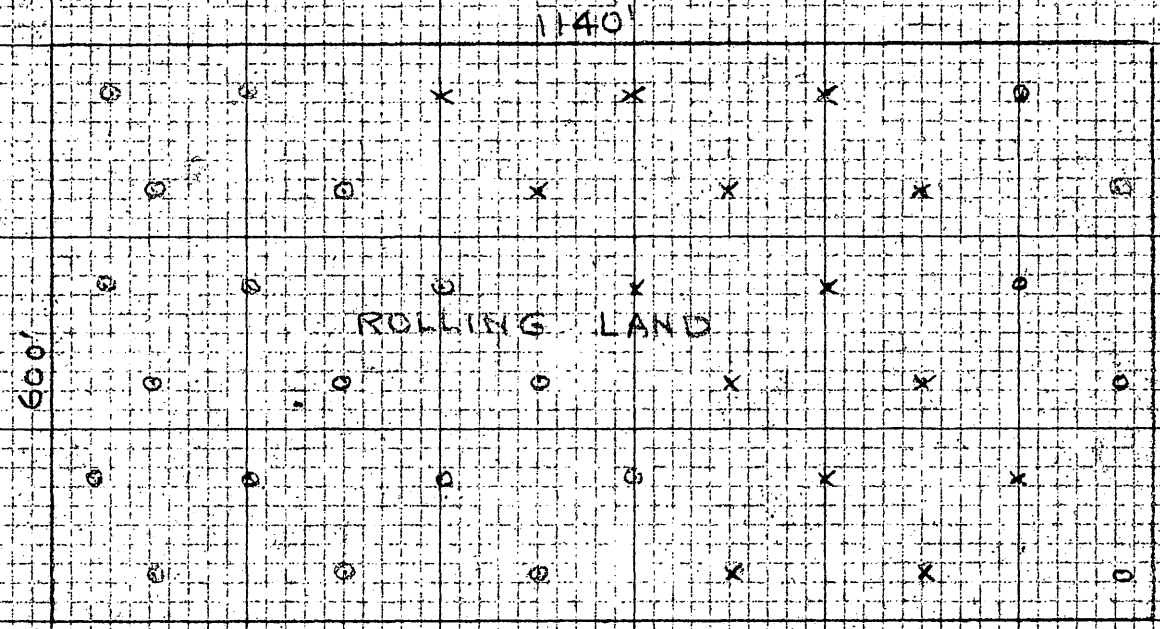
50 FEET HOLE O
100 " " X

22 X 50' HOLES = 1,100'
14 X 100' " = 1,400'
TOTAL " = 2,500'

CONVERSE COUNTY, WYO
SCALE 1" = 200'
SEPT. 29, 1955

HARLAN D. FOWLER
1006 COREY ST
LONGMONT, COLO.

BOX CLAIM #9



50 FEET HOLE o
100 " " X

22 X 50' HOLES = 1,100'
14 X 100' " = 1,400'
TOTAL " 2,500'

CONVERSE COUNTY, WYO
SCALE 1" = 200"
SEPT. 29, 1955

HARLAN D. FOWLER
1006 COREY ST.
LONGMONT, COLO.

RECEIVED
OCT 1 0 1985

Form No. O-4 8-54 25M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Edgemont — Grand Junction, Colorado August 26 1955

Liquidation No. 8358 — Lot No. 1959 — Shippers Lot No.

Bought of Harlan D. Fowler — A.E.C. License No. P-T

Address 1006 Crosby Street; Longmont, Colorado

Type of Ore Uranium Bearing — Contract No. — Date Received 8-8-55

Mining Claim Box #5 — Mining District Unorganized — Pile No. 6

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS			CONTENTS POUNDS		
				U_3O_8	V_2O_5	$CaCO_3$	U_3O_8	V_2O_5	$CaCO_3$
1959	24480	7.40	22668	0.14	0.13	1.9	31.74	29.47	430.69

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.14% = 2.8# at	2.30	6.44	11.3340	$ 72.99
Development allowance 2.8# at	.50	1.40	-	15.87
TOTAL U308 PAYMENT		7.84	11.3340	$ 88.86
Haulage allowance (163) 100 miles @ 6¢ per wet ton mile			12.2400	73.44
TOTAL				$162.30
V205				
0.13% = 2.6# at	.31	.806	11.3340	9.14
TOTAL GROSS PRICE				$171.44
Deductions:				- - - -
NET PROCEEDS				$171.44

Correct CFK — Paid 8-29-55
Checked DPR — Vo. No. 8/475
Approved HCJ — Check No. 2A

hs

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 the 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, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein. Harlan D. Fowler

Harlan D. Fowler
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.

Sept. 9, 1955

Form No. O-4 8-54 25M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Edgemont — Grand Junction, Colorado September 15, 1955

Liquidation No. 8537 — Lot No. 2015 — Shippers Lot No.

Bought of Harlan D. Fowler — A.E.C. License No. P-2572

Address 1006 Crosby Street, Longmont, Colorado

Type of Ore Uranium Bearing — Contract No. — Date Received 8/26/55

Mining Claim Box 5 — Mining District Unorganized — Pile No. 6

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
2015	104010	7.16	96558	0.16	0.12	1.6	154.49	115.87	1544.93

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.16% = 3.2# at	2.70	8.64	48.2790	$ 417.13
Development allowance 3.2# at	.50	1.60	"	77.25
TOTAL U308 PAYMENT		10.24	48.2790	494.38
Haulage allowance (163) 100 miles @ 6¢ per wet ton mile			52.0050	312.03
TOTAL				$ 806.41
V205				
0.12% = 2.4# at	3.	744	48.2790	35.92
TOTAL GROSS PRICE				$ 842.33
Deductions:				- -.- -
NET PROCEEDS				$ 842.33

Correct CFK
Checked DPR
Approved HCJ

Paid 9/16/55
Vo. No. 9/191
Check No. 320

br

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 the 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, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein. Harlan D. Fowler

Harlan D. Fowler
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.

Sept. 23, 1955

Form No. O-4 8-54 25M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station: Edgemont — Grand Junction, Colorado: September 22, 1955

Liquidation No.: 8602 — Lot No.: 2023 — Shippers Lot No.:

Bought of: Harlan D. Fowler — A.E.C. License No.: P-2572-A

Address: 1006 Crosby Street; Longmont, Colorado

Type of Ore: Uranium Bearing — Contract No.: — Date Received: 8/31/55

Mining Claim: Box #5 — Mining District: Unorganized — Pile No.: 6

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS			CONTENTS POUNDS		
				U_3O_8	V_2O_5	$CaCO_3$	U_3O_8	V_2O_5	$CaCO_3$
2023	127960	6.83	119220	0.27	0.21	1.5	321.89	250.36	1788.30

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.27% = 5.4# at	3.50	18.90	59.6100	$1126.63
Development allowance 5.4# at	.50	2.70	"	160.95
Premium in excess of 4# per ton (5.4# - 4#) = 1.4# at	.75	1.05	"	62.59
TOTAL U308 PAYMENT		22.65	59.6100	$1350.17
Haulage allowance (163) 100 miles @ 6¢ per wet ton mile			63.9800	383.88
TOTAL				$1734.05
V205				
0.21% = 4.2# at	.31	1.302	59.6100	77.61
TOTAL GROSS PRICE				$1811.66
Deductions:				- - - -
NET PROCEEDS				$1811.66

Correct CFK
Checked RLP
Approved HCJ

Paid September 22, 1955
Voucher No. 9/297
Check No. 422

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 the A. E. C. Source Material License numbered above.

jcw

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, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

Harlan D. Fowler
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.

Sept. 28, 1955

Form No. O-4 8-54 25M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Edgemont — Grand Junction, Colorado September 22 19 55

Liquidation No. 8603 — Lot No. 2033 — Shippers Lot No.

Bought of Harlan D. Fowler — A.E.C. License No. P-2572

Address 1006 Crosby Street; Longmont, Colorado

Type of Ore Uranium Bearing — Contract No. — Date Received 8/31/55

Mining Claim Box #5 — Mining District Unorganized — Pile No. 6

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
2033	26000	5.10	24674	0.47	0.24	1.5	115.97	59.22	370.11

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.47% = 9.4# at	3.50	32.90	12.3370	$405.90
Development allowance 9.4# at	.50	4.70	"	57.98
Premium in excess of 4# per ton (9.4# - 4#) = 5.4# at	.75	4.05	"	49.96
TOTAL U308 PAYMENT		41.65	12.3370	$513.84
Haulage allowance (163 100 miles @ 6¢ per wet ton mile			13.0000	78.00
TOTAL				$591.84
V205				
0.24% = 4.8# at	.31	1.488	12.3370	18.36
TOTAL GROSS PRICE				$610.20
Deductions:				- - -
NET PROCEEDS				$610.20

Correct CFK
Checked DPR
Approved HCJ

Paid September 22, 1955
Voucher No. 9/297
Check No. 422

gw

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 the 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, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

Harlan D. Fowler
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.

Sept. 28, 1955

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Form No. O-4 8-54 25M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Edgemont — Grand Junction, Colorado September 23 19 55

Liquidation No. 8660 — Lot No. 2040 — Shippers Lot No.

Bought of Harlan D. Fowler — A.E.C. License No. P-2572-A

Address 1006 Crosby Street; Longmont, California

Type of Ore Carnotite — Contract No. — Date Received 9-2-55

Mining Claim Box #5 — Mining District Unorganized — Pile No. 8

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
2040	77670	5.85	73127	0.26	0.20	0.9	190.13	146.25	658.14

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.26% = 5.2#at	3.50	18.20	36.5635	$665.45
Development allowance 5.2# at	.50	2.60	-	95.07
Premium in excess of 4# per ton (5.2# - 4#) = 1.2# at	.75	.90	-	32.91
TOTAL U308 PAYMENT		21.70	36.5635	$ 793.43
Haulage allowance 100 miles @ 6¢ per wet ton mile			38.8350	233.01
TOTAL				$1026.44
V205				
0.20% = 4.0# at	.31	1.24	56.5635	45.34
TOTAL GROSS PRICE				$1071.78
Deductions:				- - - -
NET PROCEEDS				$1071.78

Correct CFK
Checked DPR
Approved HCJ

Paid 9-26-55
Vo. No. 9/326
Check No. 449

hs

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 the 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, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein. Harlan D. Fowler

Harlan D. Fowler
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.

Oct. 2, 1955

Lawrence & Mellville
536 South 7th Ave.
Douglas, Wyo.

October 12, 1955.

Mr. Marlen D. Fowler,
321 North 4th. Ave.,
Douglas, Wyoming.

Dear Mr. Fowler:

With respect to the proposed drilling program on the Box Claims 1 to 11 in Converse County, Wyoming, we submit a bid to drill 50, 100, and 150 foot depth holes, varying from a total footage of 1,000 to 10,000 feet, respectively, for the uniform price of $0.65 per foot.

We have a Longyear Type A driller with a swivel head, and use a Denver-Gardner 210 air compressor. A Babbel Counter Model 610 and a 500-foot reel is used for probing the holes for mineralization.

Very truly yours,

L. Lawrence

Lawrence & Mellville

SUBMITTAL OF BID
Drilling

I, Lee B. Smathers hereby submit the following bid for drilling on claims (Lode mining) know as the Box Claims, located in Converse County, Wyoming in Section 1, T35N.,R72W. 6th P. M., Wyoming.

Bid price per drilled footage as follows:

Holes of 150 foot depth; Max. total 1500 feet, Min. total 750 feet,
Bid price--- $.75 Per foot.

Holes of 100 foot depth; Max. total 10,000 feet, Min. 2000 feet total,
Bid price--- $.70 Per foot.

Holes of 50 foot depth; Max. total 10,000 feet, Min. total 2000 feet total,
Bid price--- $.65 Per foot.

Minimum footage of 4750 feet- - - - - - - - - - - - - - - -$3252.50

Maximum footage of21500 feet - - - - - - - - - - - - - - - -$14,625.00

Drilling unit to be used, drills a 4½ inch hole, capable of 1,000 feet in depth; and unit is known as a Mayhew 1000 rotory drill.

Drill holes will be confined to the Box Claims, Section 1, T35N.,R72W., 6th P. M., Wyoming. Corring and abnormal sample circulation will incurr an additional charge.

Bid submitted this 14 day of October, 1955 in Douglas, Wyoming, and presented to F. L. Lawrance known to Lee B. Smathers as the Contractor of operations of the Box Claims.

Lee B. Smathers
LEE B. SMATHERS