OFFICE OF MINERAL EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

[illegible]

I have reviewed the monthly Reports of:

Delaware County Uranium Company
515 Oakland Street
Philadelphia, Penna.

pertaining to Exploration Project Contract No. [illegible], Bid No. [illegible], including Amendments Nos. 1 and 2, for January [illegible] to May [illegible], inclusive, and Termination Agreement effective Aug. 1, [illegible], covering a uranium project on the [illegible] Site, Delaware County, Penna.

My review included an examination of the monthly Reports (Forms [illegible]) and supporting documents, comparison of the actual costs with the contract and project schedules, verification of work performed by reference to [illegible] Trans. Reports and correspondence in the Region II office in September [illegible] and [illegible], [illegible], and a determination of the reasonableness and propriety of the costs.

This review was made for the purpose of a final audit of the Operator's accounts and records for the costs claimed on the referenced schedule.

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

Total cost billed by Operator		$4,[illegible].70
Exceptions:		
Taken up this review	$[illegible].[illegible]	
Previous	[illegible]	[illegible]
Total acceptable cost		[illegible]

The contract calls for a 75 percent contribution of the allowable costs by the Government. Therefore, if the project is otherwise completed as having met the terms of the contract, payment as follows may valid and proper:

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

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

March 30, [illegible]

[redacted] [redacted] [redacted]

[redacted]

(a) a major portion ([redacted]) of the work covered [redacted] performed at such rates under independent contracts;
(b) the monthly progress [redacted] supported by demonstrating power of the world under the contract; and
(c) the administrative cost to the Government of an audit would be disproportion[redacted] to the estimated amount of possible Anything discrepancy.

[redacted]

Subsurface drilling - April [redacted]

Billed by Operator - [redacted]	feet @	[redacted]	[redacted]
Accepted by Field Team [redacted]	feet @	[redacted]	[redacted]
Difference [redacted]	feet @	[redacted]	[redacted]

[redacted]

Subsurface drilling - May [redacted]

Billed by Operator - [redacted]	feet @	[redacted]	[redacted]
Accepted by Field Team - [redacted]	feet @	[redacted]	[redacted]
Difference [redacted]	feet @	[redacted]	[redacted]

Box 431
Joplin, Missouri

March 26, 1959

EXTRA COPY
O. M. E.
RECEIVED MAR 30 1959
DATE | INITIALS | CODE
800

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

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

Dear Mr. Garner:

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

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

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

I trust this will close the account to your satisfaction.

With best personal regards, I am,

Sincerely yours,

CCK/imd

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

encl.

Copy to Mr. Paul Shelan

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

MAR 23 1959

Memorandum

To: Clinton C. Rose, Executive Officer, UMC Field Team, Region IV

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

Subject: Docket No. DMA-4312 (Permian)
Johnson County Uranium Company
Contract No. AT(29-1)-[illegible]

Enclosed are the original and three copies of a report of review in lieu of final audit as requested in your letter dated January 6, 1959.

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

Enclosures

CRFisher/GMC
March 23, 1959

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

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

APR 10 1959

Month of May, 1959 Docket No. DMEA 4312 Contract No. Xdm-31148
Operator's Name Drlscoe County Uranium Company Minerals Uranium
Address 516 Oakland Street Plainview, Texas
Contract Amount, $ Government Participation: 75 % Amount, $ 6,[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: ~~Short Form~~						
Drilling non-core	1020.00	1030.80	2000.00	594.70	1328.10	1922.80
Bulldozing		1037.50	1037.50	—	1037.50	1037.50
Crosscutting						
Drifting						
core drilling	100.00		100.00	186.00	—	186.00
(2) Labor and Supervision:						
Labor						
Supervision	500.00	1150.00	1650.00	500.00	1150.00	1650.00
Technical Services	300.00	100.00	400.00	300.00	100.00	400.00
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental	135.00	310.00	445.00	135.00	310.00	445.00
Purchase						
Operation						
(5) Initial Rehabilitation and Repairs						
(6) New Roads, Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		68.07	68.07	—	68.07	68.07
Payroll Taxes	11.25	25.88	37.13	11.25	25.88	37.13
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2162.25	4321.45	6483.70	1726.95	4,019.55	5,746.50

RECEIVED JUN 30 1958 DIVISION OF FISCAL TECHNOLOGY BUREAU OF MINES JOPLIN, MO.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 14, 59 Payee Drlscoe County Uranium Co.
Per Rich Garner Title Executive Partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$1,295.21

Signature
(Authorized Certifying Officer)

Date April 3, 1959 Vou. No. 4-23
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1142 in accordance with the terms of the contract.

Signature John W. Chester Title Mining Engineer Date Dec 15, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date Mar. 26, 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
DIVISION OF MINERAL TECHNOLOGY
JUN 30 1958
BUREAU OF MINES
JOPLIN, MO.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 8 Docket No. DMEA 4312 Contract No. Ida-51142
Operator's Name Briscoe County Uranium Co. Minerals Uranium
Address 515 Oakland Street Plainview, Texas

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	ft.	200.00	120	200.00	120	2.33	120	
~~Open~~ non-core	ft.	~~1022.05~~	~~1034~~	~~4230.07~~	~~2000~~	1.78	2000	
Auger		1446.28	626	4922.37	[illegible]	[illegible]		
Stripping								
Trenching (bulldozing)	hr.	—	—	1075.03	03	25.78	360	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		1786.33		5746.40				
TOTAL COSTS		3262.05		6483.70				11,000

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

REMARKS:

Date June 16, 1958 Operator Briscoe County Uranium Co.

Per Dick Garner Title Executive Partner

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

SUMMARY OF WORK DONE IN MAY

Following inspection by the field team, Mr. Chester and Mr. King, work was begun on slightly revised hole locations labeled on this Exhibit No. 1 Map as lines V, VI and VII. This change was suggested by the operator because of hole No. 2 in line III, which had encountered more radioactivity than any other hole drilled in April, and the proposal was that two short fences to the northeast would eliminate any trend developing from the trench work to the southwest of hole No. 2, line III, and headed in a northeasterly direction. Exhibit No. 2 shows that the drilling in lines V and VI did uncover what is possibly an extension of a trend, but if so, a trend which is decreasing in mineralization to the northeast.

Originally it was proposed to drill in line VII 2 holes spaced at 100-foot intervals on either side of core hole No. 2 (see Exhibit No. 1), but results from this core hole and holes No. 3 and 4 discouraged the operator from drilling holes No. 1 and 2 in this line and a new location was made at hole No. 5, since this would probably intercept the mineralization which appears to be on the northwest flank of a channel as delineated by holes No. B28 and hole No. 5, both in line I. As will be noted on Exhibit No. 2, hole No. 5, line VII did, in this writer's estimation, pick up the edge of this channel, but it was not mineralized.

The sampling and storage of samples followed the same procedure described in the summary for last month, and the core holes

were drilled and cores preserved, but since there were no discernible radioactive intervals no cores were analyzed. The coring could not be done from the surface; because of the type of drill used, it was necessary to provide 10 or more feet of non-core hole to accommodate the kelly.

The reports for the months of April and May are being submitted at the same time because the operator felt it necessary to complete the drilling in the month of May that was last authorized by Messrs. King and Chester on May 12; and having only approximately two weeks, it was necessary for the superviser to neglect the April report in favor of necessary surveying and mapping, etc. Exhibits No. 1 and 2 include the work done in April as well as May; and if necessary, the operator will be glad to furnish extra copies. These two exhibits are the only papers which contain information for both reports.

Descriptive Log of Core Hole No. 1
Location 2.68, V plus 30'

Core Hole No. 1 Collar Elev. 928.7

From	To	Description
0	20	non-core 0-13 sandstone 13-20 red SiS (with some thin beds of grey shale)
20	20.8	buff sandstone with crossbedding
20.8	21.2	red siltstone
21.2	21.7	conglomerate- angular to sub-angular 3/8" to 1½" in size, SS matrix.
21.7	23.8	zone of interbedded coarse grain SS and conglomerate, ratio 1 to 2.
23.8	26.0	buff coarse grain sandstone with mica flakes
26.0	27.0	red SiS
27.0	35.0	zone of interbedded pink siltstone and fine grain grey sandstone, ratio 1 to 1
35.0	41.1	red siltstone (1/10 of section is interbedded grey shale).
41.1	41.4	fine grain grey sandstone with many mica flakes.
41.4	42.6	red siltstone
42.6	43.7	white medium grain sandstone
43.7	52.8	buff med. grain sandstone
52.8	53.1	sandy limestone
53.1	53.4	sandy limestone with carbonaceous particles
53.4	56.0	buff med. grain sandstone with mica
56.0	59.1	zone of interbedded grey shale and red siltstone, ratio 1 to 1.
59.1	59.5	grey shale
59.5	59.7	grey calcareous sandstone (hard)

Log of core hole no. 1 (cont'd.)

From	To	
59.7	59.9	grey shale
59.9	60.8	buff med. grain sandstone
60.8	61.1	sandy limestone with carbonaceous mat%
61.1	68.3	buff med. grain sandstone
68.3	69.2	pink siltstone
69.2	73.7	zone of interbedded grey fine grain ss., grey shale, and pink siltstone in ratio 4-1-1.
73.7	76.3	zone of interbedded red siltstone and grey shale, ratio 3 to 1.
76.3	81.6	buff med. grain sandstone, some mica.
81.6	81.9	sandy limestone
81.9	90.0	buff med. grain sandstone.

Total Depth 90.0'

Descriptive Log of Core Hole No. 2
Location 2.56, J plus 40'

Core Hole No. 2 Line VII Collar Elev. 908

From	To	Description
0	10	non-core, sandstone
10.0	11.0	buff med. grain sandstone
11.0	11.3	calcareous conglomerate
11.3	23.4	buff med. grain sandstone
23.4	24.3	sandy limestone with small am't. carbonaceous material.
24.3	32.9	coarse grain sandstone, occassionally interbedded with conglomerate.
32.9	34.5	buff sandstone
34.5	35.7	red siltstone
35.7	36.2	grey shale
36.2	39.6	calcareous medium to coarse grain sandstone with scattered carbonaceous material and limonite stains- considerable carbonaceous material in the interval 38.0-38.8
39.6	49.9	buff med. grain sandstone
49.9	55.0	red siltstone
55.0	60.0	interbedded medium to coarse grain sandstone and conglomerate, 1 to 1.

Total Depth 60.0'

Location 3.03, U plus 160'

Hole No. 1 Line V Collar Elev. 900

From	To	Description
0	4	buff SS
4	12	red SiS
12	21	grey shale
21	24	buff SS
24	26	red SiS
26	48	buff SS
48	53	grey shale
53	68	buff SS
68	74	sandy shale
74	80	red SiS

Total Depth 80'

Location 2.97, U plus 90'

Hole No. 2 Line V Collar Elev. 912

From	To	Description
0	26	red SiS
26	76	buff SS
76	77.5	sandy LS
77.5	78	buff SS
78	80	sandy LS
80	86	red SiS

Total Depth 86'

Location 2.88, U plus 30'

Hole No. 3 Line V Collar Elev. 919

From	To	Description
0	4	buff SS
4	6	grey shale
6	30	red SiS
30	59	buff SS
59	62	red SiS
62	68	zone of interbedded grey shale and red silt stone
68	82	buff SS
82	84	red SiS
84	86	buff SS
86	92	red SiS

Total Depth 92'

Location 2.82, T plus 160'

Hole No. 4 Line V Collar Elev. 920

From	To	Description
0	8	buff SS
8	30	red SiS
30	39	zone of interbedded grey shale and red silt stone, ratio 1 to 1.
39	58	buff SS
58	60	grey shale
60	65	red SiS
65	80	sandy shale
80	83	sandy LS
83	94	buff SS
94	100	red SiS

Total Depth 100'

Location 2.75, T plus 70'

Hole No. 5 Line V Collar Elev. 923

From	To	Description
0	37	red and pink SiS
37	60	buff SS
60	62	red SiS
62	77	grey shale
77	90	buff SS
90	103	sandy shale
103	110	red SiS

Total Depth 110'

Location 2.93, V plus 140'

Hole No. 1 Line VI Collar Elev. 895

From	To	Description
0	6	grey shale
6	18	sandy shale
18	43	buff SS
43	54	sandy grey shale
54	60	buff SS
60	69	grey shale
69	77	buff SS
77	82	red SiS

Total Depth 82'

Location 2.87, V plus 70'

Hole No. 2 Line VI Collar Elev. 903

From	To	Description
0	12	red SiS
12	16	grey shale
16	19	sandy shale
19	44	buff SS
44	47	red SiS
47	56	grey shale
56	70	sandy shale
70	75	red SiS
75	78	buff SS
78	86	red SiS

Total Depth 86'

Location 2.78, V

Hole No. 3 Line VI Collar Elev. 933

From	To	Description
0	16	buff SS
16	25	sandy shale
25	36	red SiS
36	43	grey shale
43	46	red SiS
46	50	buff SS
50	53	sandy shale
53	68	buff SS
68	76	red SiS

Total Depth 76'

Location 2.72, U plus 130'

Hole No. 4 Line VI Collar Elev. 939.5

From	To	Description
0	24	buff SS
24	28	red SiS
28	33	buff SS
33	40	red SiS
40	43	sandy shale
43	50	red SiS
50	70	buff SS
70	75	sandy LS
75	83	red silt stone
83	95	grey shale
95	100	red SiS

Total Depth 100'

Location 2.64, U plus 60'

Hole No. 5 Line VI Collar Elev. 928

From	To	Description
0	6	buff SS
6	10	red SiS
10	12	grey shale
12	29	red SiS
29	32	grey shale
32	37	red SiS
37	40	grey shale
40	44	sandy shale
44	59	buff SS
59	72	sandy shale
72	77	red SiS

Total Depth 77'

Location 2.47, J

Hole No. 3 Line VII Collar Elev. 915.2

From	To	Description
0	6	sandy shale
6	26	buff SS
26	32	zone of interbedded sandstone and red silt stone, ratio 2 to 1
32	51	buff SS
51	58	red SIS

Total Depth 58'

Location 2.37, H plus 140'

Hole No. 4 Line VII Collar Elev. 924.5

From	To	Description
0	20	buff SS
20	26	zone of interbedded sandy LS and sandy shale, ratio 1 to 1.
26	57	buff SS
57	62	red SiS

Total Depth 62'

Location 2.28, H plus 80'

Hole No. 5 Line VII Collar Elev. 925

From	To	Description
0	2	red SiS
2	22	buff SS
22	26	sandy shale
26	29	buff SS
29	38	zone of interbedded sandy limestone and sandy shale, ratio 1 to 1.
38	40	red SiS
40	45	grey shale
45	47	sandy LS
47	50	grey shale
50	54	buff SS
54	60	red SiS
60	71	buff SS
71	80	red SiS

Total Depth 80'

THE BROWN LABORATORY

2263 Broadway
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

Brisco County Uranium Company
c-o Dick Garner
515 Oakland Street
Plainview, Texas

Date 6-17-58
Order No. 10902-S

Material: Ore Sample
Received: 6-16-58
For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU3O8	Chemical %U3O8	%V2O5	%CaCO3
10902-1	# 2 III 46' (Hole Line Depth)	44' to 46'		0.03		

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

JUN 30 1958

BUREAU OF MINES
JOPLIN, MO.

~~H.D. Brown~~ Analyst.

By Joe M. McGaw

Radiometric Log Hole #2 Line V

From	To	Radiation in MR/Hr.
0	74.0	nil
74.0	74.2	.05
74.2	85	nil

Radiometric Log Hole #1 Line VI

From	To	Radiation in MR/hr.
0	60.9	.02
60.9	62.0	.19
62.0	62.7	.04
62.7	72.4	.03
72.4	78.4	.05

Radiometric Log Hole #2 Line VI

From	To	Radiation in MR/hr.
0	60	nil
60	62	.04
62	64.8	.045
64.8	65.5	.12
65.5	65.8	.08
65.8	66.2	.04
66.2	86.9	nil

Form MF-104 (Rev.)
(April 1952)

RECEIVED
AUG 13 1958

Sent - DMEA Washington

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1958 Docket No. DMEA 4312 Contract No. Idn-R1142
Operator's Name Briscoe County Uranium Co. Minerals Uranium
Address 515 Oakland Street Plainview, Texas
Contract Amount, $ Government Participation: 75 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling non-core	1030.20		1030.20	1,328.10	—	1,328.10
Bulldozing		1037.50	1037.50	—	—	—
Crosscutting						
Drifting						
core drilling	—	—	—	—	—	—
(2) Labor and Supervision:						
Labor						
Supervision	500.00	650.00	1150.00	—	—	—
Technical Services		100.00	100.00	—	—	—
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental	170.00	140.00	310.00	—	—	—
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Plants, Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	30.07	31.50	60.07	—	—	—
Payroll Taxes	11.25	14.03	25.28	—	—	—
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2340.02	1973.03	4321.05	2,045.92	1,973.63	4,019.55

RECEIVED
JUN 30 1958
DIVISION OF MINERAL TECHNOLOGY
BUREAU OF MINES
JOPLIN, MO.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 14, '58 *Payee Briscoe County Uranium Co.

Per Dick Gerner Title Executive Partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,534.44

Signature
(Authorized Certifying Officer)

Date Aug. 5, 1958 Vou. No. 4-07
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 1124/DC in accordance with the terms of the contract.

Signature John W. Chester Title Mining Engineer Date July 25, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert U. King Title acting Executive Officer Date July 25, 1958

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy. (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
DIVISION OF MINERAL TECHNOLOGY
JUN 30 1958
BUREAU OF MINES
JOPLIN, MO.

RECEIVED AUG 18 1958 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 195 8 Docket No. DMEA 4312 Contract No. Idm-R1142
Operator's Name Briscoe County Uranium Co. Minerals Uranium
Address 515 Oakland Street Plainview, Texas

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core		2045.92	1398	2045.92	1398			
Chip non-core ft.		2343.02	1716	2343.02	1716		2800	
Auger								
Stripping								
Trenching (bulldozing) hr.				1973.63	83		350	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2343.02		4321.65				

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

REMARKS:

Date June 14, 1958 Operator Briscoe County Uranium Co.

Per [signature] Title Executive Partner

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

SUMMARY OF WORK DONE IN APRIL

Drilling was started and completed on Lines I and III. The cuttings were caught with a cyclone type sampler and cut, half of the sample being preserved in labeled sacks in two small shacks located approximately two miles north of the work. The holes were probed with a Babbell geiger-mueller tube deep hole probe and recorded with an Esterline-Angus Recorder. Due to the bulk involved with reproducing all these records where no radioactivity above the background level was found, only the records which showed perceivable changes have been reproduced, the other charts being held by the superviser for inspection at any time. Collar elevations of the holes as well as the locations were run with a plane table and Alidade. The lithology of each hole as determined by the drill bit from samples are shown on the descriptive logs included with this report. A graphic representation in the form of cross sections along the fences can be found on Exhibit No. 2.

EXPLANATION OF EXHIBIT NO. 1

This is a map similar to the original map filed by us with the contract application with the exceptions that a location grid has been added and corrections in the elevation contours have been made where detailed elevations have been found along the fences. The datum on the elevation contours is arbitrary and have been changed in order to have no negative numbers.

The grid system employs letters for location north and south in the section, and each letter designates a grid line spaced at a 200-foot interval. The references made in this report to locations on this exhibit will show a letter followed by "plus" and a number. This number designates the number of feet in a southerly direction from the grid line designated by the letter. The numbers along the top of the map designate the distance in thousands of feet from the west section line. The intermediate lines while not marked on the map will be referred to in the location references; for example, the trail entering at the top of the map would be referred to in location as 1.53, A plus 0'.

The bulldozer trench work which was shown in detail along with explanations on the last monthly report submitted has been transferred in total to the south central portion of this map and no further explanation will be given, with the exception that two trenches which were actually cut during the same period of time but did not appear on the plat with the other bulldozer

EXPLANATION OF EXHIBIT NO. 2

These cross sections are labeled with the line numbers which refer to the lines on Exhibit No. 1. An attempt has been made to use standard graphical symbols for lithology. The colored portion in red on the various individual logs represents radioactivity. The log in Line I labeled B-28 was not drilled under this contract and no cuttings were available. The portion labeled red SiS is the red siltstone or mudstone.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 191
Joplin, Missouri
July 30, 1958

800

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

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract [illegible]-1142

Dear Mr. Garner:

This is to advise that your Monthly Progress Report received June 30 covering the project work claimed for April, 1958, has been approved in the amount of $2,045.72 after a $302.10 disallowance was made by the Field Team because 31[illegible] feet of the non-core drilling you claimed at [illegible].9[illegible] per foot is not considered to have been performed acceptably under the terms of the Contract.

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

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

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

With best personal regards, I am,

Sincerely yours,

Clinton C. Knox
Executive Officer
[illegible] Field Team, Region IV

cc: [illegible] (2)
King, [illegible], Denver
Chester, [illegible], Joplin
Finance Officer, [illegible], Bartlesville
[illegible] File

Form MF-104 (Rev.)
(April 1952)

DMEA Washington

RECEIVED
DIVISION OF MINERAL TECHNOLOGY

Approved Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED 16 MAR 20 1958 BUREAU OF MINES JOPLIN, MO.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1958 Docket No. DMEA 4312 Contract No. Idm-E1142
Operator's Name Briscoe County Uranium Co. Minerals Uranium
Address 515 Oakland Plainview, Texas
Contract Amount, $ 11,116.00 Government Participation: 75% Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing	412.50	625.00	1037.50			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	300.00	350.00	650.00			
Technical Services		100.00	100.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental	70.00	70.00	140.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	31.50	none	31.50			
Payroll Taxes	6.75	7.88	14.63			
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	820.75	1152.88	1973.63			

I certify that the above bill is correct and just and that payment therefor has not been received.

Date March 14, 1958 *Payee Briscoe County Uranium Co.

Per [signature] Title Executive Partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 615.56

Signature
(Authorized Certifying Officer)

Date 7/9/58 Vou. No. 4-01

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E1142 in accordance with the terms of the contract.

Signature John W. Chester Title Mining Engineer Date March 28, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date July 1, 1958

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED JUL 16 1958

Month of Feb. 195 8 Docket No. DMEA 4312 Contract No. Idm-E1142
Operator's Name Briscoe County Uranium Co. Minerals Uranium
Address 615 Oakland Plainview, Texas

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching (Bulldozing)	Hr.	820.75	33	1973.63	83		350	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		820.75	33	1973.63				

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

REMARKS:

Date March 14, 1958 Operator Briscoe County Uranium Co.

Per [signature] Title Executive Partner

NOTE.—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.

(Instructions on reverse)

(For Government use only)

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 20 1958

BUREAU OF MINES
JOPLIN, MO.

C.C.K
7/1/58

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 20 1958

BUREAU OF MINES
JOPLIN, MO.

Summary of Exploration work during February
on DMEA Project 4312

The first two ~~months~~ weeks of this month were characterized by snow and other inclement weather, which prevented moving equipment about the lease.

The deep trench in Area "B"(see January report and plat and cross section with this report) was deepened to expose the lower stratum (sample #111). This involved drilling and blasting previous to the bulldozing.

On the enclosed plat are sketched trenches bulldozed this month designated with upper case letters. Tabulated below is information not shown on the plat:

LOG OF SHALLOW TRENCHES

Mark	Depth~~x~~ Length	Visual Indication	Gamma Radiation	Horizon Explored
A		Fe Stains	No Significant Amt.	Lower
B		Fe Stains Carbonaceous Mat'l	Sample #115-3"thick x 10' long exp.	Lower
C		Fe Stains	No Significant Amt.	Upper
D	1'Avg. x 54'	Fe Stains	ditto	Upper
E	1' x 60'	Fe Stains	ditto	Upper
F		do.	do.	do.
G	1' x 36'	none	do.	do.
H		Fe Stains	do.	do.
J	1' to 2' x 300'	Fe Stains and Carbonaceous Mat'l	Sample ~~#XXX~~ #117 3"Th. x 4'lg. exp.	Lower
K	1' to 2' x 75'	ditto	Sample #118 7"th. x 10'	Upper
L	1' to 4' x 150'	Fe Stains	Samples 119,120,121	Upper

(cont'd.) Feb.-4312

Sample no. 116 was taken from the side of a small wash as indicated on the plat and is representative of a layer of a few inches thickness.

Although radiation detection instruments indicated a trace along the rim immediately South of the mine (in center of section) tentative rim stripping failed to disclose any stratum worth sampling.

It will be noted that the most encouraging finds as shown on the enclosed plat that have come to light this month are northeast of a line between trench "N" and trench "K" and are approximately south of the mine.

The vertical spread between the uppermost beds sampled and the lowest is about twenty feet and more and these are identified on the trench log as the upper and lower horizons, respectively. In this area of the lease there appear to be no ore containing beds of intermediate elevation between these two.

It is our suggestion that the Government approve a drilling program consisting of four equally spaced lines of non-core holes running in an east-west direction, and with a hole spacing of 100 feet and not over 12 holes in each line, with the lines distributed between the mine on the north and area"B" and trenches "L","A", and "N" on the south. This program should locate some trends worthy of coreing and further drilling.

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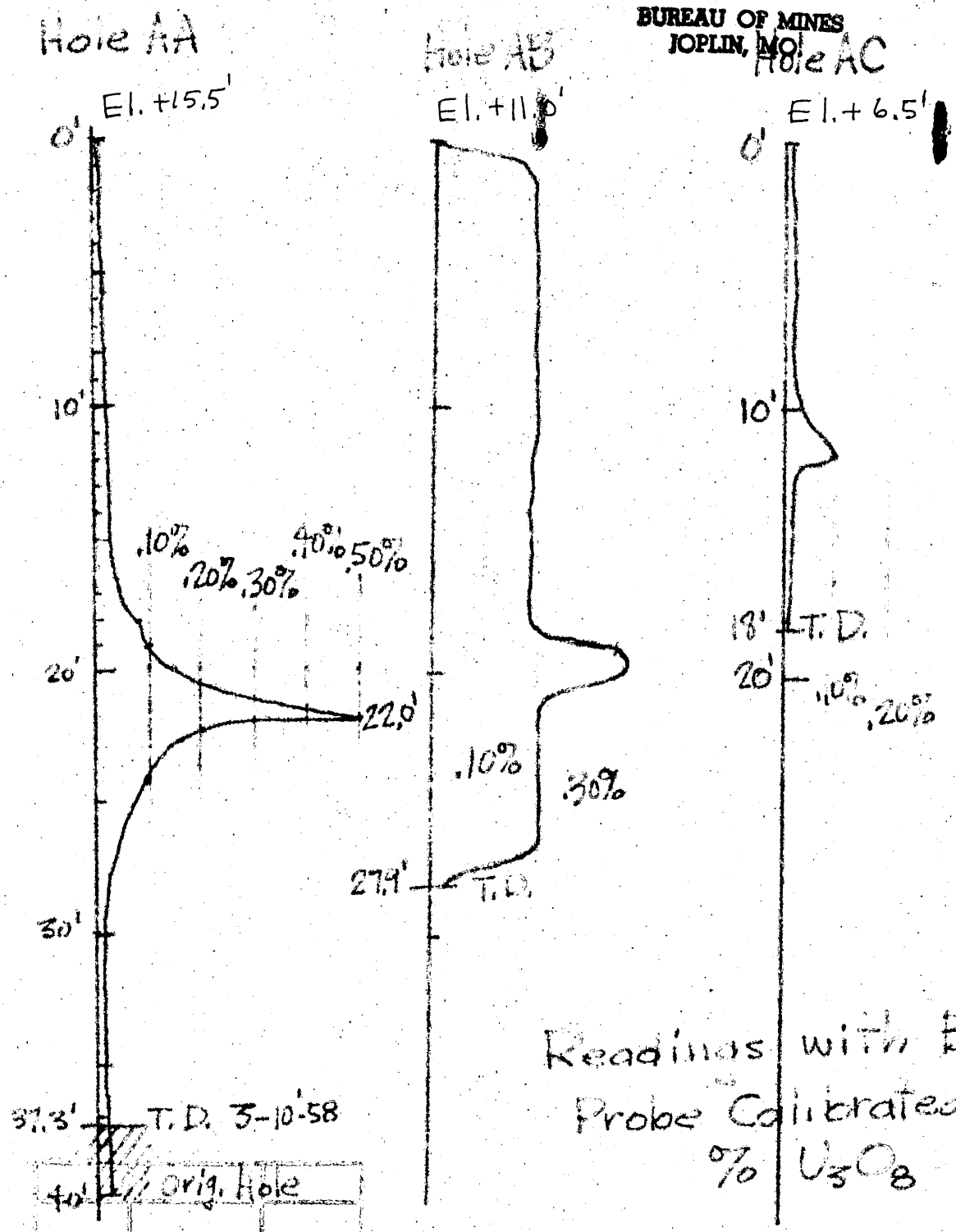
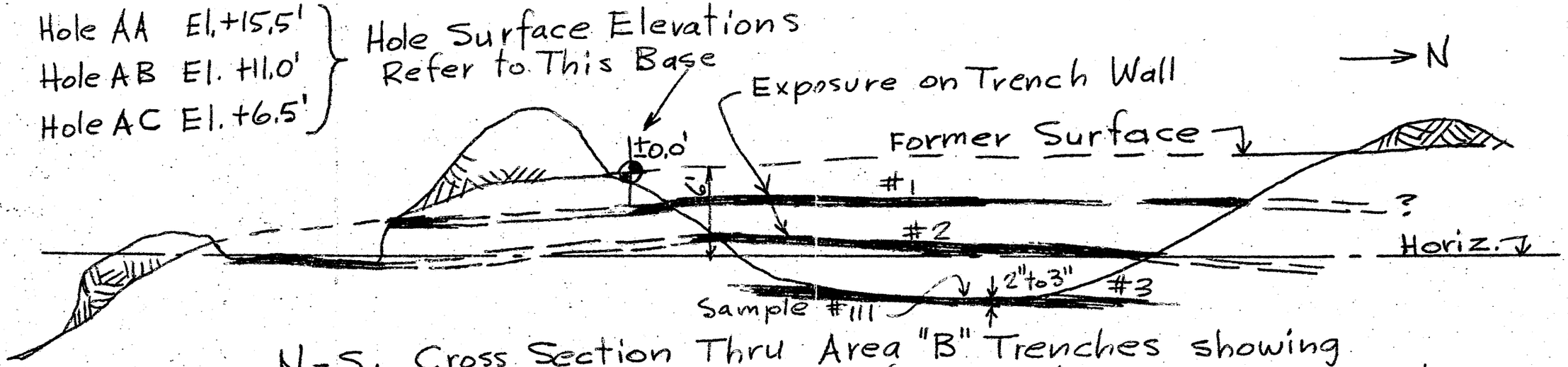
JOPLIN, MO.



Readings with Babbel Probe Calibrated to equiv. % U_3O_8



N.-S. Cross Section Thru Area "B" Trenches showing Former Surface of Ground Not To Scale

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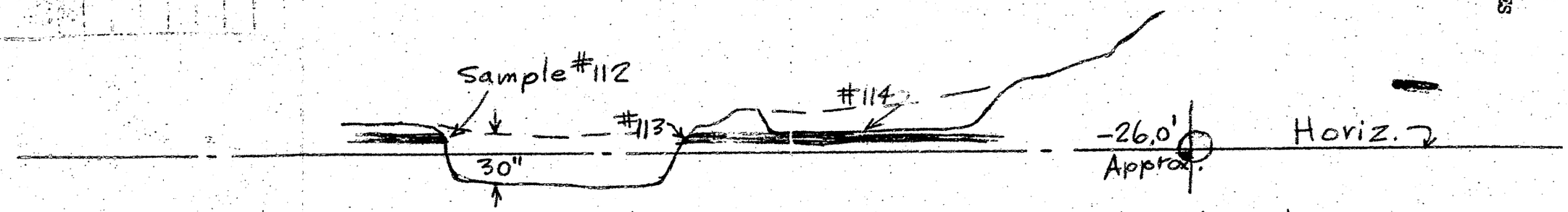

East-West Cross Section Looking North Thru the South End of Trenches "M" and "N"

Not To Scale

3rd ay - Washing

THE BROWN LABORATORY

2263 Broadway
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

Briscoe County Uranium Company
515 Oakland
Plainview, Texas

Date 3-17-58
Order No. 10568-9

Material: Ore Samples
Received: 3-15-58
For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU_3O_8	Chemical %U_3O_8	%V_2O_5	%$CaCO_3$
10568-1	111			0.13		
10568-2	112			0.09		
10568-3	113			0.08		
10568-4	114			0.05		
10568-5	115			0.03		
10568-6	116			Trace		
10568-7	117			0.01		
10568-8	118			0.01		
10568-9	119			0.03		
10568-10	120			0.05		
10568-11	121			0.01		

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MAR 21 1958

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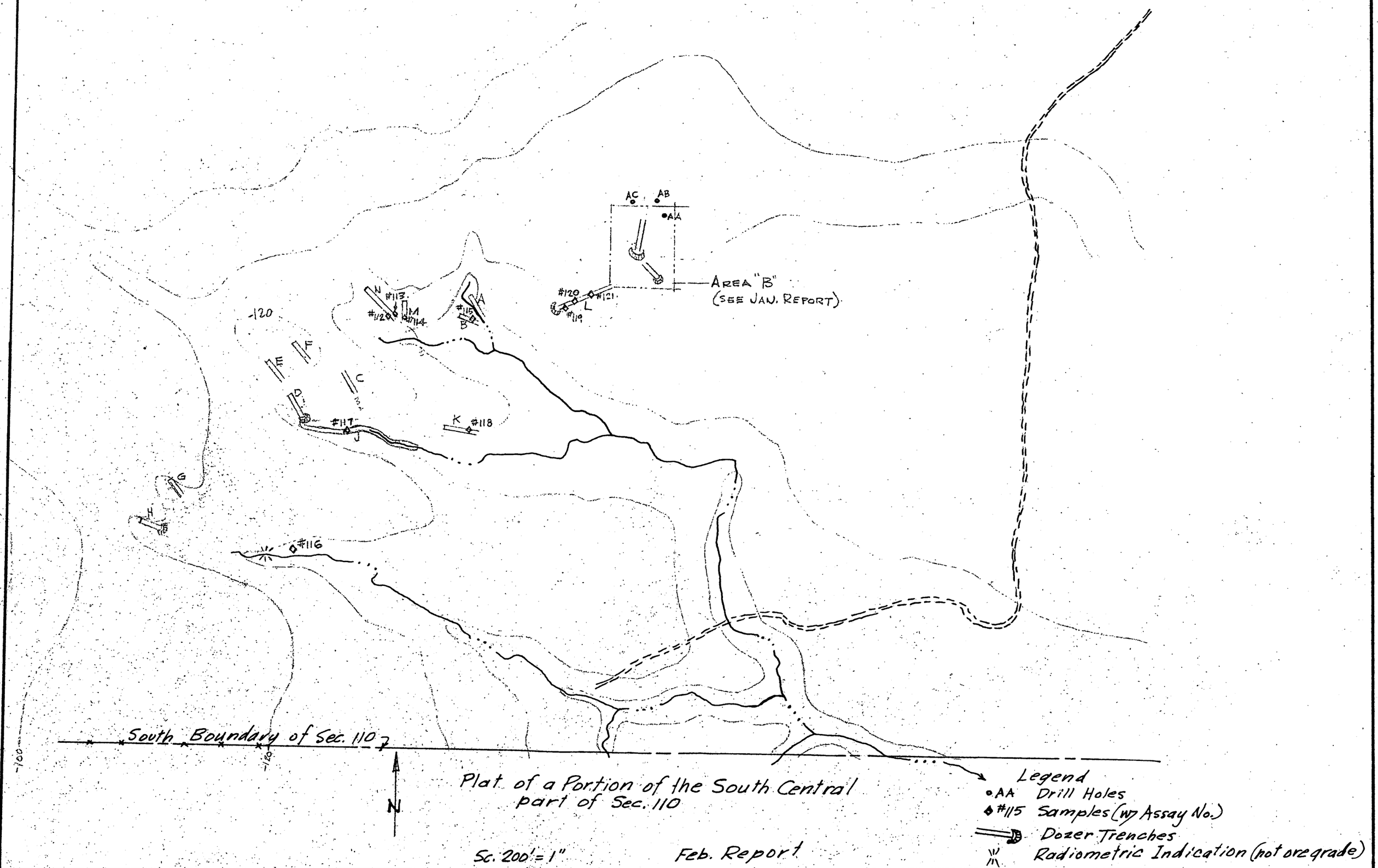
JOPLIN, MO.

Analyst:



Plat of a Portion of the South Central part of Sec. 110

Sc. 200' = 1" Feb. Report

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MAR 20 1958

BUREAU OF MINES
JOPLIN, MO.

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DMEA
RECEIVED JUL 16 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
July 14, 1958

DMEA
RECEIVED JUL 16 1958

DATE	INITIALS	CODE
7/16	N. J.	100
		800

DMEA Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Room 4457 - Interior Bldg.
Washington 25, D. C.

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

Dear Sirs:

Forwarded herewith are your two copies of the MF-104 Monthly Voucher and one copy of the MF-104A and the Monthly Report by the cited Operator covering the February work. The voucher data received from the Finance Officer is posted on both copies of the MF-104s.

Your other copy of the MF-104A and the Monthly Report was furnished for your advance information March 20, 1958.

Sincerely yours,

Robert U. King

Robert U. King
Acting Executive Officer
DMEA Field Team, Region IV

encl. 4

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

EXTRA COPY
DMEA
RECEIVED MAR 17 1958
DATE | CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
March 14, 1958

Memorandum

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

From: Executive Officer, DMEA Field Team, Region IV

Subject: Assays, January MF-104, DMEA-4312(uranium), Briscoe County Uranium Co., Project Contract Idm-E1142, Rattlesnake mine, Quitaque, Texas

Enclosed for your information is a copy of assays received March 6 for inclusion with the subject monthly report. I have delayed sending these because on the basis of Mr. Whelan's March 4 letter(copy enclosed) I expected also to be able to send this Operator's February MF-104 Report last week.

With reference to your memo on this subject received March 7, on the assumption that this Operator's February MF-104 Report and the requested DMEA instructions concerning another amendment of the Contract expiration date, tentative plans have been made for Jack Chester to meet you at the Herring Hotel, Amarillo, Texas, on the evening of March 25 to inspect this project the next day. This date, however, I wish to reiterate is merely tentative subject to receiving information from the Operator to justify the trip at that time, which I understand from your memo would be agreeable to Mr. Harshman and you. We will advise you immediately if the date can be set firmly.

CCK/id

Clinton C. Knox

encl.

cc: DMEA Op.Com.(2)
4312 file

(COPY)id

DATA COPY
DMEA
RECEIVED MAR 17 1958
DATE
SOPE

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

March 4, 1958

Detp. of the Interior
DMEA
P. O. Box 431
Joplin, Mo.

Att; Mr. C. C. Knox
Re: Saul Ranch, Briscoe Co., Texas

Dear Mr. Knox,

Have been waiting for the weather to break ever since I talked to you last week with no day yet dry enuf to get on the ranch, so I've decided to send the assays on now and the other information as well as the Feb. report later this week.

Yours truly

/s/Paul whelan
Paul Whelan

Encl:5 copies
assays

3rd c.y. - DMEA Washington

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Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED FEB 17 1958 BUREAU OF MINES JOPLIN, MO.

D.M.E.A.

Month of January, 1950 Docket No. DMEA 4316 Contract No. Idc-0142
Operator's Name Prieco County Uranium Co. Minerals Uranium
Address 616 Oakland Plainview, Texas
Contract Amount, $ 11,110.00 Government Participation: 75% Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing	625.00	none	625.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	350.00	none	350.00			
Technical Services	100.00	none	100.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental	70.00	none	70.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	7.00	none	7.00			
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1052.00	none	1052.00			

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Feb. 10, 1950 *Payee Prieco County Uranium Co.

Per Rich Garner Title Executive Partner

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 864.66

Signature
(Authorized Certifying Officer)

Date 4-11-58 Vou. No. 4.-30

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1142 in accordance with the terms of the contract.

Signature John W. Christer Title Mining Engineer Date March 28, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date March 31, 1958

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

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FEB 17 1958
BUREAU OF MINES
JOPLIN, MO.

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APR 7 1958
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1958 Docket No. DMEA 4312 Contract No. Xd-1148

Operator's Name Princeo County Gravel Co. Minerals Gravel

Address 515 Garland Plainview, Texas

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching (bulldozer)	hr.	1152.00	60	1152.00	60		800	
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1152.00						

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

Date Feb. 10, '58 Operator Princeo County Gravel Co.

Per Dick Garner Title Executive Partner

Remarks:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

C.C.K.
3/31/58

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

RE: DMEA 4312 (uranium)
Sec. 110

Summary of work done in December, 1957 and January, 1958 on subject project.

Trenching was begun in the east-west trench shown on sketch map of area "A" in December, and a few traces of radioactivity were noted as the trench went down, but none can be found in the walls of any significant amount, although channel samples have been taken at ten foot intervals. The long North-South cut is shallow, being not over three feet deep at any point and is made down the slope of the terrain, exposing over fifteen vertical feet of section and a stratum with definite radiation of about three inches thickness in the position indicated on the North end of the cut. This sample is number 101.

Work was held up for about a week in the first week of January due to a locally heavy snow storm.

The two short trenches in the south part of Area "A" were dozed with the results indicated on the map.

In Area "B" the southernmost cut was the result of lowering an existing shallow cut about a foot with encouraging results. The two samples taken are estimated radiometrically to run .14 % U_3O_8 (.104) and .10 % U_3O_8 (.100).

Sketch of the longitudinal cross section through

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JOPLIN, MO.

the large trench on the north part of Area "A" shows two strata which were sampled and one stratum (#3 on sketch) which was probed in a dynamite hole and estimated to run about .30 % U_3O_8. This stratum is about twenty inches below the bottom of the trench and will be sampled next.

Stratum #2 averages about five inches in thickness, with stratum #1 about three to four inches, and #3 as yet unknown.

Sample #107 was taken two inches below the surface and estimated to come from stratum #2 and run about .18 % U_3O_8 (Radiometrically).

All the samples taken to date in the deep trench in area "A" check out at less than .10 % U_3O_8 e, but could run slightly more of course due to a higher chemical percentage.

Sample #102 from Area "A" should run between .12 to .13 % U_3O_8 and sample #101 slightly less.

These assays will all be forwarded to Mr. Knox upon receipt of same.

All of the samples taken are representative of ore and previous samples, exhibiting iron stains, carbonaceous material in various proportions, and primarily composed of calcareous sand stone.

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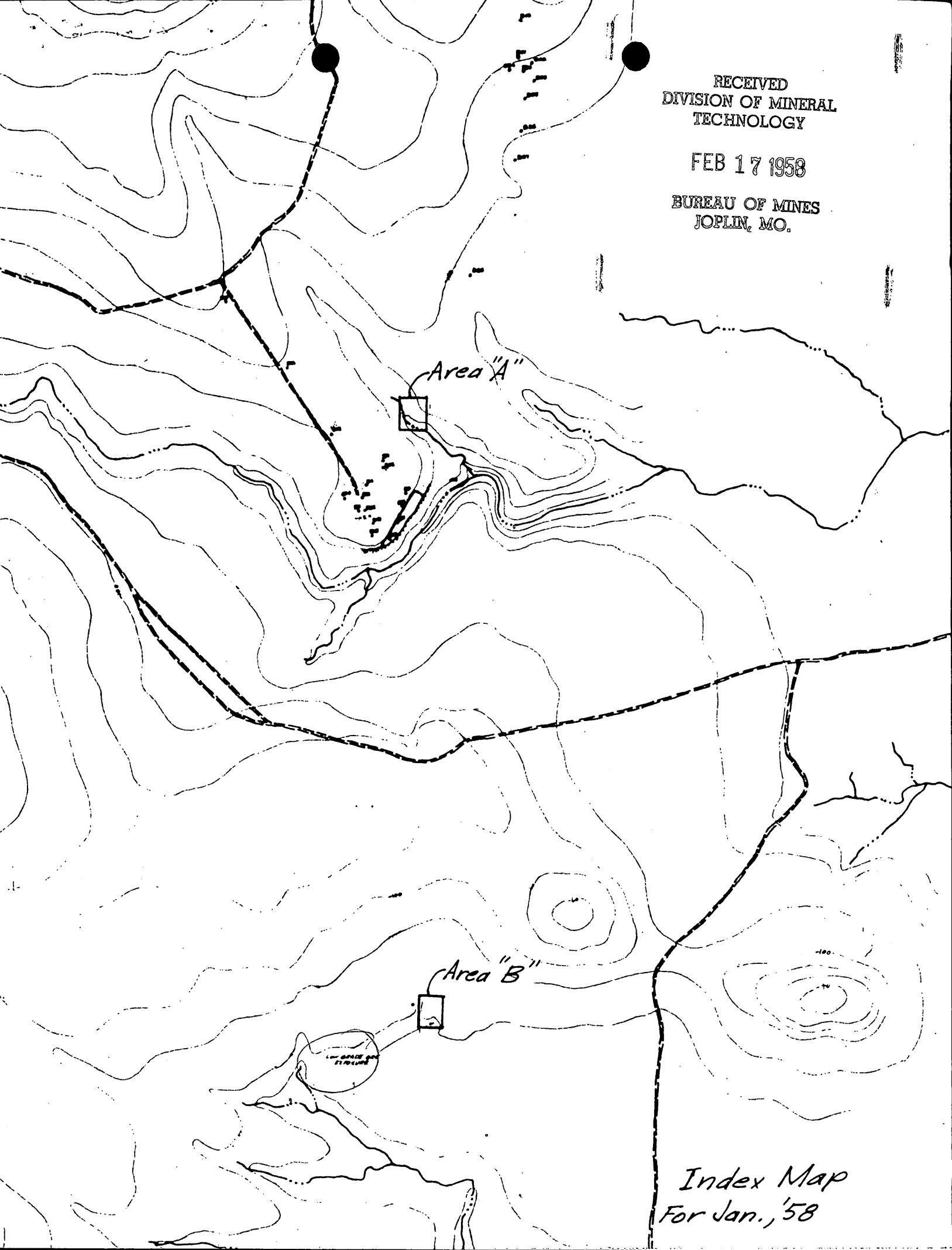

Index Map
For Jan., '58

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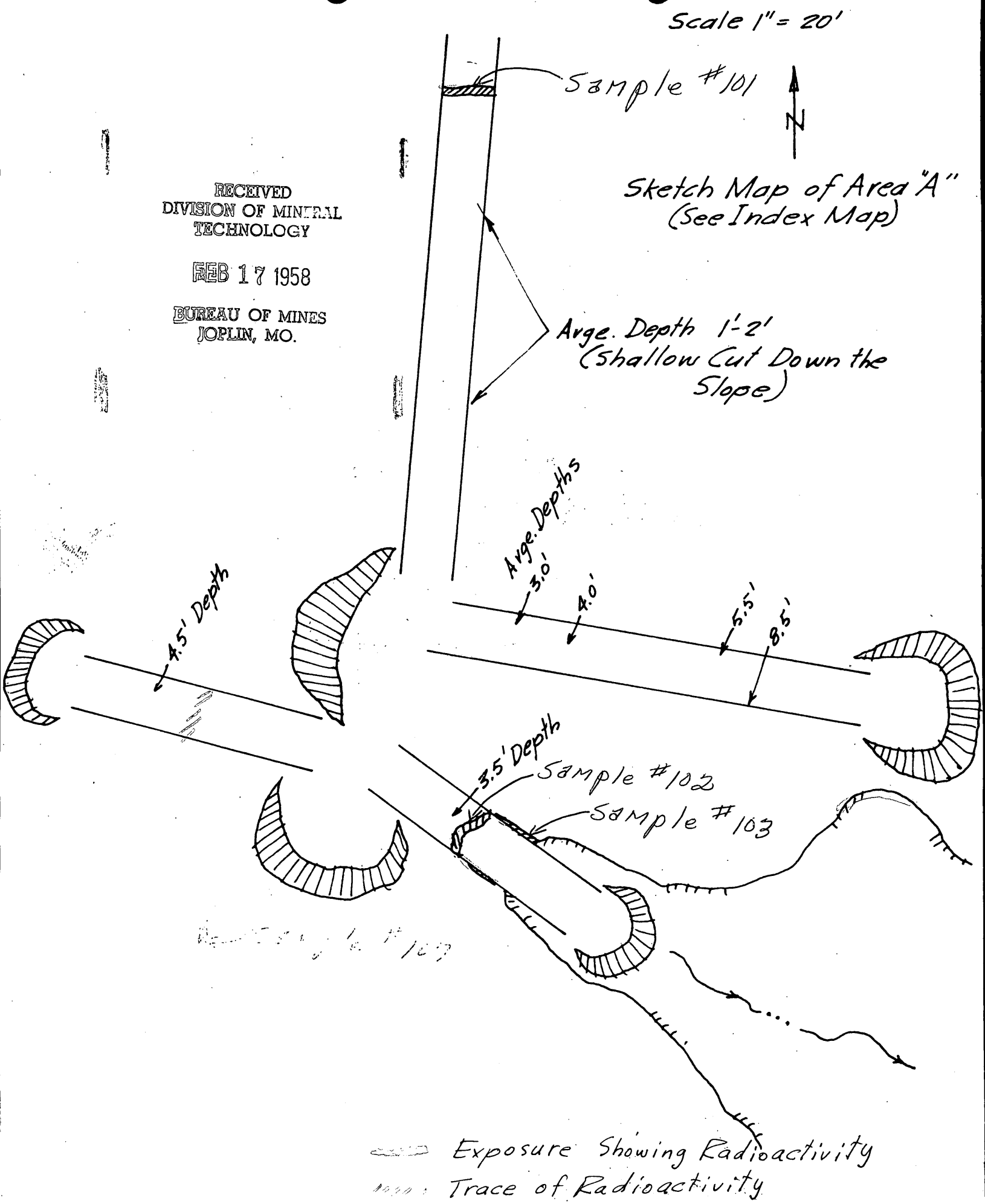
FEB 17 1958

BUREAU OF MINES
JOPLIN, MO.



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DMEA
RECEIVED APR 17 1958

DATE	INITIALS	CODE

THE BROWN LABORATORY

2263 Broadway

GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

CHapel 2-4589

CERTIFICATE OF ANALYSIS

TO

Briscoe County Uranium Co.
515 Oakland Street
Plainview, Texas

Date 2-26-58

Order No. 10509-S

6 Copies to- Paul Whelan
Lubbock, Texas

Material: Ore Samples

Received: 2-25-58

For: Analysis

Lab. No.	Your No.	Description	Radiometric %eU_3O_8	Chemical %U_3O_8	%V_2O_5	%$CaCO_3$
10509-1	101			0.05		
10509-2	102 & 103			0.03		
10509-3	104			0.07		
10509-4	105			0.09		
10509-5	106			0.11		
10509-6	107			0.08		
10509-7	108			0.04		
10509-8	109			0.06		
10509-9	110			0.07		

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TECHNOLOGY

MAR 6 1958

BUREAU OF MINES
JOPLIN, MO.

Analyst.

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TECHNOLOGY

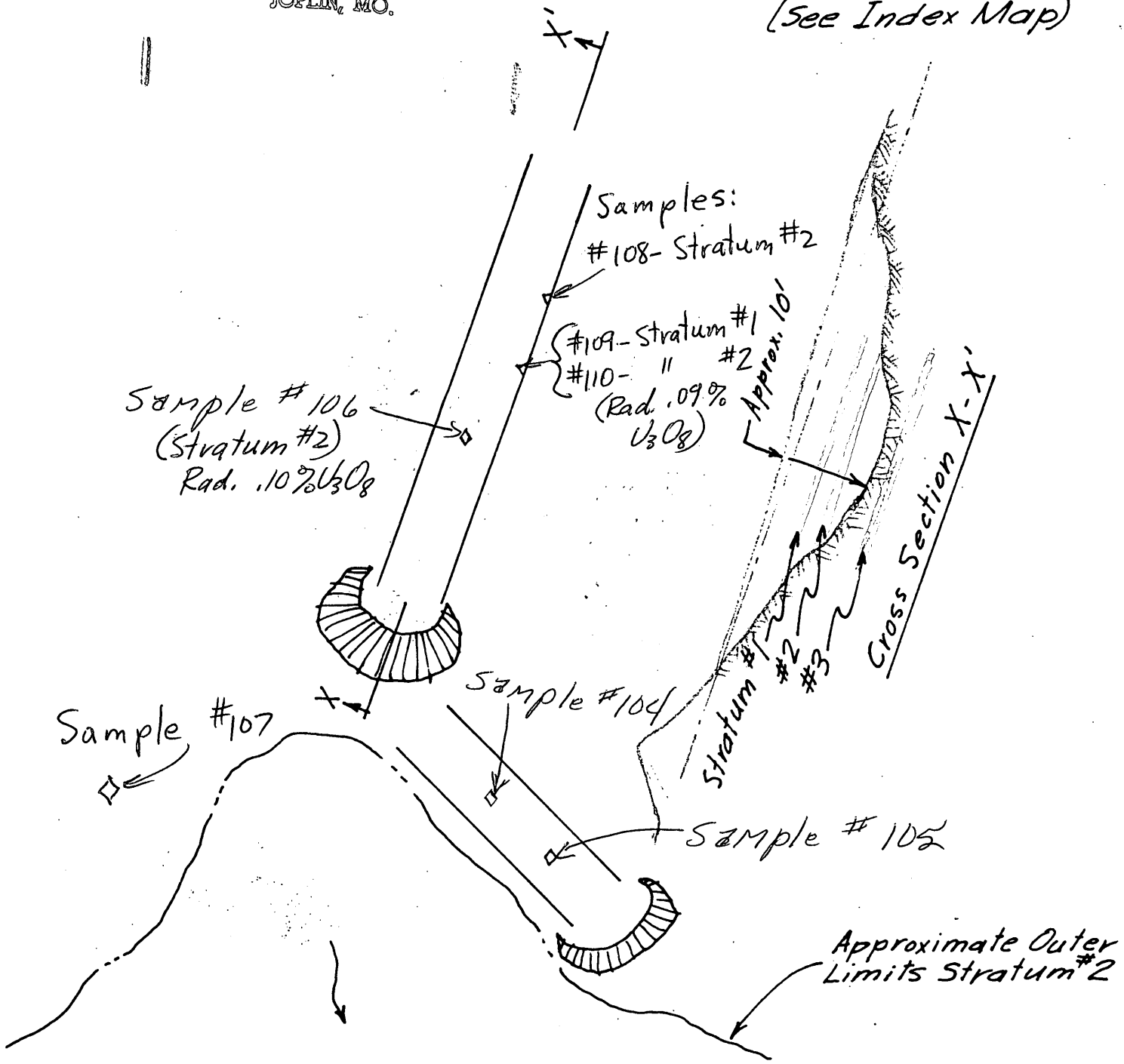
FEB 17 1958

BUREAU OF MINES
JOPLIN, MO.

Scale 1" = 20'

N

Sketch Map of Area "B"
(See Index Map)



ORIGINAL FILE COPY
DMEA
RECEIVED APR 17 1958

DATE	INITIALS	CODE

✓
HK

United States Department of the Interior

GEOLOGICAL SURVEY
12201 SUNRISE VALLEY DRIVE
RESTON, VIRGINIA 22092

June 17, 1975

Mr. David Drake
Frontier Exploration, Inc.
1108 Alvarado Drive N.E.
Albuquerque, New Mexico 87110

Re: DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Idm-E1142

Dear Mr. Drake:

This is in reply to Mr. Clyde Saul's letter dated May 13, 1975, requesting that geologic information be released to Frontier Mining Corporation, Albuquerque, New Mexico.

The following material may be of interest to you.

The Field Team Final Report, December 15, 1958	
Text, 7 pages	8 x 10-1/2
Figure 1. Index Map	8 x 10-1/2
Figure 2. Map of Rattlesnake Mine showing exploration, Biscoe County Uranium	29 x 29-1/2
Figure 3. Vertical Section showing drill holes and trenches, Briscoe County Uranium Company, Briscoe County, Texas	10-1-2 x 24
The Operator's Final Report	
Text, 6 pages including Exhibit No. 2, Resume of Assays	8 x 10-1/2
Exhibit No. 1, Map of property	15-1/2 x 17-1/2
Also, Summary of information concerning the Rattlesnake Mine, Sec. 110, Blk. B-1, Briscoe County, Texas 2 pages	8 x 10-1/2

The above material is available and may be ordered by contacting:

Cooper-Trent Division
Keuffel & Esser Co.
Wilson Boulevard at Danville Street
Arlington, Virginia 22201
Attention: Mr. Marvin Mundy

Cooper-Trent will contact you regarding the cost of reproductions; the minimum charge per order is $15.00. Upon deciding how many copies you want, send the enclosed copy of this letter to Cooper-Trent with your letter of instructions. All future correspondence relating to procurement of copies of the material should be with Cooper-Trent rather than with this office.

We are pleased to be of service to you.

Sincerely yours,

Gail P. Wiegand, Secretary
Office of Minerals Exploration

Copies to: Mr. Clyde Saul
c/o Tulia Livestock Auction
Rte. N.
Tulia, Texas 79088

Mr. Marvin Mundy
Cooper-Trent Division
Keuffel & Esser Co.

cc: DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Goudarzi
Mr. Kirkemo
R. [illegible]

GPW/gpw

United States Department of the Interior

GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225

IN REPLY REFER TO:

Building 53 - Northwest Wing - 2nd floor
E-2400

May 29, 1975

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: DMEA-4312 (Uranium)
Contract Idm-E1142
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas

Enclosed is a letter dated May 13, 1975, from Mr. Clyde Saul, owner of the Saul Ranch and of former Rattlesnake Property, Briscoe County, Texas, requesting that geologic information be released to Frontier Mining Corporation, 1108 Alvarado Drive NE, Albuquerque, New Mexico 87110.

The letter, dated May 13, 1975, was received in this office May 29, 1975.

In conversation with Gus Goudarzi May 29, it was decided that he and I would review the information in Denver since our files included the Operator's final report and other related information and since he will be in Denver, Colorado June 2 and 3rd. After reviewing the information, I will then call Gail Wiegand and inform her as to what material should be duplicated and released to Frontier Mining Corporation, Albuquerque, New Mexico.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

OME Region III
RECEIVED
MAY 29 1975
J. Witt
Denver, Colorado

Mr. Clyde Saul
c/o Tulia Livestock Auction
Rte. N
Tulia, Texas 79088
May 13, 1975

Mr. M. William Hasler
Field Officer, Region 3
United States Geological Survey
Office of Minerals Exploration
Building 53, Federal Center
Denver, Colorado 80225

Re: RELEASE LETTER

Dear Mr. Hasler:

I, CLYDE SAUL, hereby state that I am the current owner of the Saul Ranch and of the former Rattlesnake property of the Briscoe County Uranium Company, located within lands designated as Sections 11, 27 and 28, B.S. & F. Survey, Block B-1 and Sections 110, 113, 114, 116 and 128, D. & S.E. R.R. Survey, Block G. & M., Briscoe County, Texas, and that I am willing to release to FRONTIER MINING CORPORATION of Albuquerque, New Mexico (a subsidiary of French American Metals Corp., Lakewood, Colorado), geological information on the above-mentioned property which was obtained under Defense Minerals Exploration Administration, Docket 4312, Contract E-1142.

Yours truly,

Clyde Saul

Clyde Saul

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

JUL 9 1959

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

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Contract No. Idm-6116

Dear Mr. Garner:

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

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

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

Sincerely yours,

Frank E. Johnson

Acting Director

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

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

JUL 29 1959

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

Re: Docket No. DMEA-4312 (Uranium)
Briscoe County Uranium Company
Rattlesnake Mine
Briscoe County, Texas
Contract No. Idm-51142

Dear Mr. Cronkhite:

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

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

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

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosure

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

800

Box 431
Joplin, Missouri
January 8, 1959

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

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

Dear Sirs:

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

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

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

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

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

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

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

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

Sincerely yours,

CCK/lmd

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

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

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAR 16 1959

BUREAU OF MINES
JOPLIN, MO

Contract Division

MAR 19 1959
O.M.E

TERMINATION AGREEMENT

It is agreed this 5th day of December, 1958, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government", and Briscoe County Uranium Company, hereinafter called the "Operator", parties to that certain Exploration Project Contract No. Idm-E1142, Docket No. DMEA-4312, dated October 15, 1957, as amended, hereinafter called the "Contract," that:

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

2. The Government shall not contribute to the cost of any work performed after June 1, 1958.

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

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

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

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

THE UNITED STATES OF AMERICA

By Frank P. Johnson
Acting Director, Office of Minerals Exploration

BRISCOE COUNTY URANIUM COMPANY

By Dick Garner

Title Executive Partner

Box 431
Joplin, Missouri

March 16, 1959

EXTRA COPY
RECEIVED
MAR 19 1959
DATE
CODE
000

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

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

Dear Sirs:

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

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

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

Sincerely yours,

CCK/imd

Clinton C. Knox
Executive Officer
Field Team, Region IV

encl. 2

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
December 8, 1958

EXTRA COPY
O. M. E.
RECEIVED DEC 12 1958

DATE	INITIALS	CODE
		800

Mr. [illegible] Tanner, Executive Partner
Triple County Venture Company
[illegible] Cullum Street
Plainview, Texas

Re: [illegible]-6118 (PARTIAL)
[illegible]
Briscoe County, Texas
Project Contract [illegible]-1142

Dear Mr. Tanner:

Enclosed for your signature are the original and four copies of a Termination Agreement and the under-lease contract signed by the Acting Director, Office of Minerals Exploration, Department of the Interior, Washington, D. C. [illegible] all the work required for us under the contract was not completed, it is considered that the contract is properly terminated.

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

For your further information, since the authority under [illegible] expired June 30, 1958, the Office of Minerals Exploration is its successor Agency under the enactment of August 21, 1958 (Public Law 85-7[illegible], [illegible]17) to complete all such contract commitments, and to administer the Government's new program of exploration assistance.

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

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

Sincerely yours,

[illegible]/[illegible]

Clinton [illegible] Cox
[illegible] Officer
[illegible], Region IV

encl. 5

cc: [illegible]
[illegible] Officer, [illegible]
[illegible]
[illegible]
[illegible]

Shadow cy-Mr. Paul Whelan
Mr. John T. Boyd

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
September 15, 1958

EXTRA COPY
DMEA
RECEIVED SEP 22 1958

DATE	INITIALS	CODE
		800

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

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

Dear Mr. Boyd:

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

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

With kindest personal regards, I am,

Sincerely yours,

CCK/id

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

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

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

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

TELEPHONE CAPITOL 4-4373
P. O. BOX 790

(3) wake & send following photos 2) DMEA Op. Com. Ring, USES, Denver
G.K.

September 12, 1958

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

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

Attention: Clinton C. Knox

Dear Mr. Knox:

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

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

Yours very truly,

John T. Boyd

JTB:jd

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

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

SEP 15 1958

BUREAU OF MINES
JOPLIN, MO.

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

EXTRA COPY

800

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

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

Dear Mr. Garner;

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

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

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

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

Sincerely yours,

CCK/id

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

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

(COPY)id

PAUL WHELAN
Consulting Geophysicist
Box 3074
Lubbock, Texas

May 31, 1958

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

Subj.: DMEA-4312(uranium)

Dear Mr. Knox:

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

Sincerely yours,

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXTRA COPY
DMEA
RECEIVED JUN 2 1958

DATE	INITIALS	CODE
		800

Box 431
Joplin, Missouri
May 26, 1958

Mr. Paul Shelan
Consulting Geophysicist
Box 3074
Lubbock, Texas

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

Dear Mr. Shelan:

This is written confirmation of the approval of the Government given verbally by the Field Team examiners when inspecting your project on May 12 for additional non-core drilling of 16 holes at sites indicated on the sketch map furnished then with your written request and verbal justification.

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

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

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

Sincerely yours,

CCK/id

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

encl.

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

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

EXTRA COPY
RECEIVED MAY 9
DATE COST
800

AIRMAIL

May 6, 1958

Mr. Paul Whelan
Consulting Geophysicist
Box 3074
Lubbock, Texas

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-31142

Dear Mr. Whelan:

This constitutes approval of the Government as of your phone call on April 25, 1958, for core drilling two of the holes described in my letter to Mr. Garner on April 3, 1958, at changed locations as indicated by the sketch attached to your undated letter received here May 1, 1958.

On the basis of the results you related during the phone call to me when non-core drilling had been concluded on the other 22 approved holes, I deemed it logical to agree to your request that the final two holes should be core drilled near the only two you reported with significant-appearing radioactivity, at locations as follows:

Hole No. 14 about 105 feet N40°E of hole No. 2 on Line III
Hole No. 10 about 210 feet S5°w of old hole No. B-28 on Line I

Your letter indicated that since also completing those two holes, the project work has been recessed; and that their results also were virtually negative.

Robert King and J. W. Chester are scheduled on May 12 to make the Field Team inspection of your project and examine all the cores and cutting samples which you are to have properly labeled and stored. The results to date and your intentions regarding termination of the Contract also should be discussed fully with them at that time. If Mr. Lloyd Stack, Consulting Geologist, has not already been there to study the results of the work, you may wish to arrange for him to meet there with you and the Field examiners on May 12 and 13.

King plans to come through Joplin on May 10 to meet with me when he will be enroute from St. Louis to your project. J. W. Chester plans to travel with him from here. Please advise this office as soon as possible if for any reason the scheduled date would be inconvenient for this inspection of the project, cores and cuttings.

Sincerely yours,

CCK/id

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

cc: DMEA Op.Com.(2) w/cy Mr. Whelan ltr.
King,USGS,Denver w/cy Mr. Whelan ltr.
Chester,USBM,Joplin
4312 file

(COPY)id

Received DMEA
May 1,1958

PAUL WHELAN
CONSULTING GEOPHYSICIST
BOX 3074
LUBBOCK, TEXAS

C. C. Knox

Dear Mr. Knox,

Enclosed is sketch showing core locations for approval.

Core Hole adjacent to Line III was moved to locate on a bench since the natural slope is quite steep in this area (revision necessary in contours of contract map).

We drilled the last non-core hole in line I and III with no show other than a trace.

Yours truly,

/s/ Paul Whelan

encl: sketch maps

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
April 24, 1958

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

Re: DMEA-4312(uranium)
Briscoe County Uranium Co.
Rattlesanke Mine
Briscoe County, Texas
Project Contract Idm-E1142
Bond S-467 0817

D[illegible] Mr. Cronkhite:

This is to acknowledge your letter of April 16 concerning the liability of your company under the above cited Performance Bond.

I do not have a copy of the subject Bond in the files of this Field Team Office, but have made and sent copies of your letter along with copies of this to the Washington Office of D.M.E.A. which I am certain will take up the matter with you in case my understanding of the matter as given below should be erroneous.

I regret to inform you that as I understand the liability under the Performance Bond executed by your company in connection with the cited contract, the advice you mentioned as having received is incorrect. The terms and conditions of the subject D.M.E.A. exploration project contract in connection with which the Performance Bond was required, have not been complied with and therefore, I am certain that your liability thereunder has not terminated.

Due to inclement weather and other conditions, upon formal request of the Operator under this project contract the date for completion of the work stipulated in the Contract was changed to June 1, 1958 by an amendment which was granted. Only a small portion of the exploration work authorized under the project contract has been completed to date. If the Government certifies within 6 months

after the Operator's Final Report and accounting has been rendered that an ore discovery has been made by the completed exploration work from which production may be made, I believe that the Performance Bond furnished by your company is to assure the Government's percentage royalty from all production up to 11 years from date of the Contract, or until the Government's financial participation in the project work(not in excess of $8,337) has been repaid, whichever occurs first. I believe that the Performance Bond of your company was accepted as a Guaranty to the Government in lieu of the ordinarily required Landowner's Consent to Lien and Mortgagor's Subordination Agreement. Furthermore, I believe, that in case the Government issues a certification, as mentioned above, the project Operator should keep the Bond of your company in effect for a period up to 11 years.

Please do not hesitate to write if you have any further questions that can be referred through me to the Washington Office of D.M.E.A. which has the Performance Bond of your company on file, or write directly to Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C., for authoritative information available only from legal counsel there.

Sincerely yours,

CCK/id

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

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

(COPY)id

DMEA Op.Com.(2)
King,USGS,Denver

THE AMERICAN INSURANCE GROUP

Dallas Branch Office
1315 Pacific Avenue
Dallas 2, Texas

April 16, 1958

Department of Interior
Defense Mineral Exploration & Administration
Box 431
Joplin, Missouri

In re: Bond S-467 0817 - Brisco County Uranium Company
Plainview, Texas

Gentlemen:

Effective September 22, 1957, the American Automobile Insurance Company executed bond on behalf of the above named in the amount of $8,337.00. This bond was in connection with Contract Idm-E, Docket No. DMEA-4312.

We have now been advised that all of the conditions in connection with which our bond was required have been complied with. As a result, we assume that our liability has terminated. Will you please confirm this information to us.

Yours very truly

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

DJC:k

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
April 3, 1958

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

Re: DMEA-4312(uranium)
Rattlesnake Mine
Briscoe County, Texas
Project Contract Idm-31142

Dear Mr. Garner:

This will confirm the approval of the Government given by Robert U. King and J. W. Chester at your project on March 26 for drilling 14 holes at locations on line No. III, and 10 holes at locations on line No. I as described in Work Items 3 and 4 in "Exhibit A" of the Contract. Drilling should begin from the southeasternmost end of each line.

The Field examiners did not consider that the rim stripping exposed sufficient uranium mineralization to warrant drilling under "Work Item 2". Therefore, the alternate work to the extent above approved, and as described in Work Items 3 and 4, shall be performed next under this Contract.

As required under Article 4(c) of your Contract, please consult with and inform this office on all phases of the work henceforth as it progresses.

This also will acknowledge receiving from you the executed Amendment No. 2 in the original and three copies fixing the date for completion of the work as June 1, 1958.

Please be advised that as recommended by the Field examiners upon return from your project, last week, I have approved your January Report and cost claim in the amount of $1,152.88 and forwarded it to the Regional Finance Officer, U. S. Bureau of Mines, 206 Federal Building, Bartlesville, Oklahoma for certification for the Government's 75 percent participation payment to your company.

Sincerely yours,

CCK/id

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

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

Audit copy

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY
MAR 24 1958
BUREAU OF MINES
JOPLIN, MO.

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

AMENDMENT NO. 2

It is agreed this 1st day of March 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Briscoe County Uranium Company, that Exploration Project Contract No. Idm-21142, Docket No. DMEA-4312, dated October 15, 1957, as amended, is further amended as follows:

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

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

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

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

THE UNITED STATES OF AMERICA

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

BRISCOE COUNTY URANIUM COMPANY

By Dick Garnett
Title Executive Partner

AUDIT COPY
RECEIVED
MINERALS TECHNOLOGY
DIVISION

NOV 0 1957

BUREAU OF MINES
JOPLIN, MO.

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

AMENDMENT NO. 1

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

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

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

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

Executed in quintuplicate on the 13th day of November, 1957.

BRISCOE COUNTY URANIUM COMPANY

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

THE UNITED STATES OF AMERICA

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

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Law Offices of
MOREHEAD, SHARP & BOYD
621 Baltimore
Plainview, Texas

December 7, 1957

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Mr. Clinton C. Knox
Defense Minerals Exploration Administration
Box 431
Joplin, Missouri

Dear Mr. Knox:

Enclosed you will find the original and three copies of the amendment No. 1 to the contract of the Briscoe County Uranium Company, I am not sure of the exact starting date on this project. Mr. Paul Whelan is to let me know as soon as Carl Chelf advises him and I will immediately contact you.

If anything further is needed, please let me know.

With best personal wishes,

Yours very truly,

/s/John T. Boyd by JS
/t/John T. Boyd

JTB:js

Enclosures

MME Form 14
Sept. 1958

Contract No. Idm-E) 1142
14-23)

Docket No. DMEA) 4342
MME)

Date of Action April 13, 1959
Terminated Contract

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OBLIGATION DOCUMENT

To: Chief, Accounts Section, Finance Branch, Bureau of Mines

From: Director, Division of Operations Control and Statistics

Please enter the amounts shown below on the accounts of the Office of Minerals Exploration.

Name and Address of Contractor:

Briscoe County Uranium Co.
515 Oakland Street
Plainview, Texas

Date of Contract	Region	State	Commodity
October 15, 1957	IV	Texas	Uranium

	Reserve	Obligation
Prior Amount	0	8,337.00
Increase	0	0
Decrease	0	4,027.13
Revised Amount	0	4,309.87

Remarks:

cc: 800
210

43244

DMEA Form 14

Contract No. Idm-E 1142

Docket No. 4312

DEPARTMENT OF THE INTERIOR

Executed contract

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Obligation Document

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
October 15, 1957	IV	Texas	Uranium

Name and Address of Operator: Briscoe County Uranium Co.
515 Oakland Street
Plainview, Texas

	Reserve	Obligation
Prior Amount	0	0
Increase	0	8,337.00
Decrease	0	0
Revised Amount	0	8,337.00

Remarks:

ALLEN S. DAKAN
(Name)

Allen S. Dakan, Chief
Operations Control and
~~Statistics Division~~
(Title)

Date delivered to Bureau of Mines, Washington 10/15/57

22845

Audit Copy

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 21 1957
BUREAU OF MINES
JOPLIN, MO.

MF-200
(Revised June 1954)

Docket No. DMEA -4312

Commodity Uranium

Contract No. Idm-E 1142

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

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

EXPLORATION PROJECT CONTRACT[1]

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

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

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

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

(b) The Operator represents and undertakes that:

(1) The Operator is the[4] Lessee of[5] the mineral rights (except oil and gas) in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a[6] Lease,[7] recorded in Book Volume 50, page[8] 567-570 official records of said County; and

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

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title

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

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

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

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

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

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

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

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

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

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

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

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

CATEGORY (2)—PERSONAL SERVICES.

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

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

Subcategory (c)—Labor.

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

CATEGORY (4)—OPERATING EQUIPMENT.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

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

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

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

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

ARTICLE 8. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 7) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

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

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

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

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

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½)

percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 10. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

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

ARTICLE 11. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 13. *Changes and added provisions.*—

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

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

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Whittenburg
Administrator, Defense Minerals
Exploration Administration

BRISCOE COUNTY URANIUM COMPANY
(Operator)

By Dick Garner

Title

STATE OF TEXAS
COUNTY OF HALE

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

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

Notary Public, Hale County, Texas.

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

EXHIBIT "A"

General Provisions

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

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

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

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

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

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

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

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

Description of the Work

The work shall be done in the sequence described below:

Work Items:

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

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

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

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

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

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

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

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

Actual Cost

Category (1) Independent Contracts

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

Category (2) Personal Services

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

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

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

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

ANNEX I

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

Figure 2 - GEOLOGIC MAP OF SAUL RANCH (RATTLESNAKE MINE) BRISCOE COUNTY URANIUM COMPANY - BRISCOE COUNTY, TEXAS

Showing Recommended Exploration - Docket DMEA 4312

KING-KNOX 3-15-57