OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E943, Docket DMEA-4047 (uranium), dated April 11, 1956, with

Charles M. Coleman, J. H. Deimerly, Albert W. Dilling,
Leonard D. Carmichael, Kirkpatrick W. Dilling,
and Mabel E. Carmichael
c/o Kirkpatrick W. Dilling
188 West Randolph Street
Chicago 1, Illinois

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Clyde, Marsh, and Longport Groups of Claims located in Fremont County, Wyoming, during the period June 17, 1959, through May 22, 1963.

A certification of discovery or development was issued on March 10, 1958, and, in accordance with Article 8 and Amendment No. 5 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 12 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated November 10, 1958, indicated accepted costs under the exploration contract amounting to $20,290.22 with the Government's contribution on a 68.03 percent (average) basis being $13,803.23.

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

This review found no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review, which also found no sales subject to the Government's royalty through June 16, 1959. Accordingly, as of May 22, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$ -0-
Total Royalty Paid	-0-
Balance of Royalty Due	$ -0-

E. D. Talbert

July 12, 1963

E. D. Talbert, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

This contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the land thereunder. The land consists of Clyde Nos. 7 through 18, Marsh Nos. 1 through 6, and Longport Nos. 1 through 5 unpatented claims located in secs. 15, 22, and 23, T. 32 N., R. 91 W., and secs. 27, 32, 33, and 34, T. 33 N., R. 90 W., 6th P.M., Gas Hills District. At the time the contract was executed the Operator was in possession by virtue of deeds of conveyance subject to certain overriding royalty interests of the locators, Irving L. Marshack, Don Londer, Robert W. Utter, and Charles Lesnick. In consideration of the contract these holders of royalty interests executed Subordination Agreements dated March 26 and April 11, 1956.

The Operator is composed of six persons, all officers of the Riverton Uranium Corporation. In executing the contract they deleted all references to "partner" and "partners". All contract business was conducted in the name of Charles M. Coleman & Associates by Albert W. Dilling, 139 North Clark Street, Chicago 2, Illinois, under an April 24, 1956, Power of Attorney executed by the other five persons.

Exploration work under the contract was terminated effective June 26, 1958, by an agreement dated September 29, 1958. No minerals were produced during the exploration period. Subsequent examinations of the property, checks of A.E.C. production records, and inquiries by DME regional representatives disclosed no production through February 15, 1960.

A DME Form 63 addressed to Albert W. Dilling resulted in a March 18, 1963, reply from Kirkpatrick W. Dilling to the effect that the property had been sold to Gas Hills Uranium Co. and production since February 15, 1960, was unknown.

In a May 22, 1963, reply to a DME Form 63 inquiry, Leon Hetherington, Chief Geologist of Gas Hills Uranium Co., P. O. Box 1011, Laramie, Wyoming, stated that neither production nor change in property status had occurred since Gas Hills acquired the property.

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

(1) The files contain no indication of production from the property since the date of the contract; and

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

Building 20 - Federal Center
Denver 25, Colorado

EXTRA COPY
C. M. E
RECEIVED JUL 25 1963
DATE | CODE
7/25 | 800

July 19, 1963

Charles M. Coleman
J. H. Deimerly
Albert W. Dilling
Leonard D. Carmichael
Kirkpatrick W. Dilling and
Mabel E. Carmichael
c/o Kirkpatrick W. Dilling
188 West Randolph Street
Chicago 1, Illinois

Re: DMEA-4047 (Uranium)
Contract Idm-E943
Charles M. Coleman & Associates
(Clyde, Marsh, and Longport Groups of Claims)
Fremont County, Wyoming

Gentlemen:

Enclosed is a copy of the Report of Royalty Review on the subject contract dated July 12, 1963, covering the period June 17, 1959, through May 22, 1963, which shows that the royalty account is in balance as of the date of the Report of Royalty Review.

Sincerely yours,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure

cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. Contract Idm-E943
Chron

HMC/lm

Building 20 - Federal Center
Denver 25, Colorado

July 19, 1963

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-4047 (Uranium)
Contract Idm-E943
Charles N. Coleman & Associates
(Clyde, Marsh, and Longport Groups of Claims)
Fremont County, Wyoming

Attached is the original Report of Royalty Review dated July 12, 1963, on the subject property covering the period June 17, 1959, through May 22, 1963.

Original signed by

Hugh M. Connors

Attachments

cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. Idm-E943
Chron
HMC/lm

JUL 16 1963

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-4047 (Uranium)
Charles M. Coleman & Associates
Clyde, Marsh, and Longport Groups of Claims
Fremont County, Wyoming
Contract Idm-E943

The original and two copies of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

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

As evidence of your concurrence, a copy of your letter transmitting the Operator's copy should be furnished this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 7-16-63

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

APR 3 0 1963

Mr. Cotter Ferguson
President
Oak Hills Uranium Company
P. O. Box 11
Laramie, Wyoming

Re: DMEA-4047 (Uranium)
Charles M. Coleman and Associates
Clyde, Marsh, and Longpert Groups
of Claims
Fremont County, Wyoming
Contract Lbo-2943

Dear Mr. Ferguson:

We have been advised by the Operator under the referenced contract that the above-named groups of claims have been sold to your company.

We wish to advise you that under the terms of the subject Exploration Project Contract, as amended, and the certification of discovery dated March 10, 1958, the amount of $13,803.23 (contributed by the Government to explore the property) is repayable through royalty on production or until April 11, 1968. To secure the payment of the royalty a lien on the claims was granted to the Government.

Royalty should be computed as provided in the DMEA contract. (A copy of the contract form is enclosed for your information.) Royalty payments, however, should be made in favor of the Office of Minerals Exploration, the successor agency to DMEA, and should be mailed or delivered to the Field Officer, GSE, Region III, Building 20, Denver Federal Center, Denver 25, Colorado. Each payment should be accompanied by two copies of settlement sheets or other suitable evidence of sales or other disposition showing the name of the purchaser, if any, the quantity and grade of the production sold or disposed of, the price per unit, and the gross proceeds or value, and allowable deductions therefrom. The purchaser should be notified of the Government's royalty and directed to pay the royalty, computed as provided for in the contract, directly to the Government.

The Field Officer should be notified when production is started and of any cessation of production for an extended period. In the meantime, we are enclosing Form 63 to be filled out and returned to this office in duplicate.

If any production from the referenced groups of claims is to be commingled with production from other claims, please advise as to the method you propose to follow in arriving at the weights and assay values for the production from these groups of claims for the purpose of computing royalties due the Government.

Sincerely yours,

Director

Enclosure

FMMurphy/mm
4/29/63 (Retyped)
cc: Director's Reading File
Region III (2)
Docket
Code 300

Building 20 - Federal Center
Denver 25, Colorado

April 22, 1963

EXTRA COPY
O. M. E
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DATE
APR 4 1963
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Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-4047 (Uranium)
Contract Idm-E943
Charles M. Coleman and Associates
(Clyde, Marsh, and Longport Groups of Claims)
Fremont County, Wyoming

This responds to your memorandum dated April 5, 1963 on the subject contract.

I am advised that the following address is correct:

Mr. Cotter Ferguson, President
Gas Hills Uranium Company
P. O. Box 11
Laramie, Wyoming

Original signed by

Hugh M. Connors

JUN 19 1959
O.M.E.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, OME Field Team, Region III, Denver, Colorado pertaining to Contract Idm-E943, Docket No. DMMA 4047, dated April 11, 1956, with

Charles M. Coleman and Associates
139 North Clark Street
Chicago 2, Illinois

for the purpose of determining the amount of royalties due the U. S. Government on the sales of Uranium, from property referred to as Clyde, Marsh and Longpert Group, located in Fremont County, Wyoming, during the period April 11, 1956 to June 16, 1959.

A Certification of Discovery or Development was issued on March 10, 1958, and accordingly royalty is payable on all production from the land described in Article 2 of the contract for a maximum period of 12 years from the date of the contract. A Report of Review in lieu of Final Cost Audit dated November 10, 1958, indicated accepted costs under the exploration contract amounting to $20,290.22, with the Government's contribution on a 68.03 percent (average) basis being $13,803.25.

No royalty has been paid to the Government to date in connection with this contract.

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

(a) According to the Field Team's Semi-Annual Report of certified project for the period January 1, to June 30, 1958, operation ceased about June 26, 1958; no ore has been shipped since April 11, 1956, (The date of the exploration contract). A subsequent semi-annual report of Field Team for the period July 1, 1958 to December 31, 1958, indicates the property inactive, and no operations or ore shipments are anticipated in 1959.

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

June 16, 1959

Donald T. Finch
Donald T. Finch
OME Auditor

JUN 22 1959

Memorandum

To: Mr. Donald T. Finch, OME Auditor

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

Subject: Docket No. DMEA-4047 (Uranium)
Charles H. Coleman and Associates
Contract No. Idm-E943

Your Report of Royalty Review on the subject contract is acceptable and distribution of the regional copies is authorized.

EDTalbert/ama
June 22, 1959

Copies to: Docket
Director's Reading File
Code 800

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

APR 22 1959

Mr. Herbert D. Black
Attorney at Law
Portland Trust Building
Portland 4, Oregon

Re: Docket No. DMEA-4047 (Uranium)
Charles M. Coleman and Associates
Clyde, Marsh, and Longport
Groups of Claims
Fremont County, Wyoming
Contract No. Idm-E943

Dear Mr. Black:

This is in response to your inquiry of April 16, 1959, made in behalf of Donald H. Londer.

We have no record of any production from the subject claims, and no royalties on production have been paid to the Government. Therefore, the amount of $13,803.23 (contributed by the Government to explore the subject property) is repayable by the subject Operator through royalty on production until April 11, 1967.

Sincerely yours,

(signed) FRANK E. JOHNSON
Acting Director

FLKnouse/GMcC
April 21, 1959

cc: Docket
Director's Reading File
Mr. Knouse
CA & A Division
OME Field Team, Region III (2) with 2 copies of incoming

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OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Charles M. Coleman and Associates
139 North Clark Street,
Chicago 2, Illinois

pertaining to Exploration Project Contract No. Idm-E943, OMEA No. 4047, including Amendments Nos. 1 through 6, and Termination Agreement dated September 29, 1958, for the period April 11, 1956 to June 26, 1958, inclusive, covering a project for the exploration of Uranium on property known as Clyde, Marsh and Longport group of claims located in Fremont County, Wyoming.

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

This review was made in lieu of a final audit of the Operator's accounts and records for the reasons given on the attachment to this report.

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

Total cost as billed by Contractor		$20,416.12
Exceptions: (Schedule attached)		
Prior to this review	$125.90	
Herewith	0.00	125.90
Total Accepted Cost		$20,290.22

The contract for participation of exploration expenses by the United States Government is as follows:

75%	of	$14,632.50	or	$10,974.37
50%	of	5,657.72	or	2,828.86
		$20,290.22		$13,803.23

Therefore, payment to the contractor by the Government in the amount of Thirteen thousand, eight hundred three and 23/100ths Dollars is valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Amount payable to Contractor	$13,803.23
Amount reimbursed	13,303.23
Balance due Operator	$ 500.00

Donald T. Finch

November 10, 1958

Donald T. Finch, OME Auditor

REASONS FOR REPORT OF REVIEW IN LIEU OF FINAL AUDIT

CHARLES M. COLEMAN AND ASSOCIATES

CONTRACT Idm-E943 DOCKET DMRA 4047

(a) The Monthly Reports were supported by documentary proof of that portion ($14,979.20) of the costs applicable to work performed at unit rates under an independent contract, and that portion of costs ($2,601.50) applicable to contract categories 2, 3, 4 and 7. (See Summary attached.)

(b) The balance ($2,709.52) of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed; and

(c) The administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible disallowances thereunder.

SCHEDULE OF EXCEPTIONS

CHARLES M. COLEMAN AND ASSOCIATES

CONTRACT NO. Idm-2943 DOCKET NO. ERGA 4047

Exceptions: Prior to this review

Drilling	
20 feet of drilling at 95¢ per foot in excess of total shown by drill logs for month of June, 1958	$19.00
Incidental Allowance	
20 feet of excess drilling at 22¢ per foot	4.40
Standby Time	
Duplicate charge for 9 hours of standby time at $10.00 per hour. June, 1958 MP-104 includes this charge under drilling and also as separate item. Disallowance applies to drilling charge shown by Operator.	90.00
Bulldozing	
Excess charge of 1 hour at $12.50 per hour claimed on Operator's June, 1958 MP-104	12.50
Total Exceptions Prior to This Review	$125.90

The Executive Officer of the OMM Field Team, Region III, and the Auditor concur with the foregoing disallowances.

SUMMARY DOCUMENTED COSTS

CHARLES M. COLEMAN AND ASSOCIATES

CONTRACT NO. Idm-E943 | DOCKET NO. IMRA 4047

		ACCEPTED COSTS		
		Govt. Contribution On 75% Basis	Govt. Contribution On 50% Basis	Total Accepted Costs
Independent Contracts				
Drilling				
12,040 Ft. Average $0.7877 per foot		$ 9,484.00		
4,716 Ft. at 95¢ per foot			$4,480.20	
Bulldozing				
62 Hours at $12.50 per hour		775.00		
4 Hours at $12.50 per hour			50.00	
Standby Time				
10 Hours at $10.00 per hour		100.00		
9 Hours at $10.00 per hour			90.00	
Total Independent Contracts		$10,359.00	$4,620.20	$14,979.20
Category 2 - Personal Services				
Supervision		$ 1,100.00		
Technical Services		717.00		
Category No. 3 - Operating Materials & Supplies				
Sample Containers		6.00		
Category No. 4 - Operating Equipment				
Rental				
1 Pickup Truck or Automobile				
1,400 miles at 10¢ per mile		140.00		
Category No. 7 - Miscellaneous				
Radiometric hole logging 4,440 Ft. @ 10¢/ft.		444.00		
Chemical Analyses				
27 at $3.50 each	$94.50			
4 at $4.00 each	16.00	110.50		
Accounting - 2 mos. @ $42.00/mo.		84.00		
Total Categories 2, 3, 4 and 7		$ 2,601.50	-	$ 2,601.50
FIXED UNIT COSTS				
Incidental Allowance				
7,600 Feet Completed Drilling at 22¢/Ft.		$ 1,672.00		
4,716 Feet Completed Drilling at 22¢/Ft.			$1,037.52	
Total Fixed Unit Costs		$ 1,672.00	$1,037.52	$ 2,709.52
TOTAL ACCEPTED COSTS		$14,632.50	$5,657.72	$20,290.22

NOV 21 1958

Mr. Donald T. Finch
OME Auditor
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-4047 (Uranium)
Charles M. Coleman and Associates
Contract No. Idm-E943

Dear Mr. Finch:

Your Report of Review covering the referenced project is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers
Contract Administration
and Audit Division

GMcCarthy/GMcC
November 21, 1958

cc: Docket
Director's Reading File
Mr. Chambers

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OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado

November 10, 1958

Memorandum

TO: Mr. Donald T. Finch, OME Auditor, Region III

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4047 (Uranium) Contract No. Idm-E943 (Charles M. Coleman and Associates, (Clyde, Marsh, and Longport claims) Fremont County, Wyoming

The subject contract was terminated by mutual agreement effective June 26, 1958. A copy of the Termination Agreement that was executed is enclosed for your records.

The Operator has rendered a final Engineering and Geologic Report, and a final accounting as required by the contract; therefore, final payment of the Operator's account is in order, contingent on release to this office of a Certificate and Report of Audit, or Report of Review of reported project costs whichever the case indicates.

Acceptable units of work or service completed on a "Fixed Unit Cost" basis consisted of incidental allowance on 12,316 ft. of drilling.

The sum of $500 was withheld from reimbursement to the Operator in processing its final Accounting Report, which was for the month of June, 1958.

Original signed by
J. W. TOWNSEND

J. W. Townsend

JWT:ltm
cc: Chmn. Op. Comm. (2)
Harshman
Corres. File
Cooper
Chron.

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DATE	INITIALS	CODE

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OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado
November 25, 1958

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4047 (Uranium) Contract IBm-8041, Charles M. Coleman & Associates, (Clyde, Marsh, and Longport groups of claims) Fremont County, Wyoming - FINAL PAYMENT

Reference is made to our memorandum of September 4, 1958, whereby we forwarded the final Form MF-104, Operator's Monthly Report and Voucher, for June 1958, and requested that you withhold an amount of $500.00 pending resolution of matters prerequisite to closing the account.

The Operator's final report has been received, therefore, final payment to the Operator is to be made on the following basis, which is in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, OME, dated November 10, 1958.

Basis for Final Payment

Total accepted cost		$20,290.22
Government participation:		
75 percent of $14,632.50	$10,974.37	
50 percent of $5,657.72	2,828.86	
Total		13,803.23
Total prior payments		13,303.23
Balance due the Operator		$ 500.00

Original signed
J. W. TOWNSEND

J. W. Townsend

JBC:hsh

cc: Chan. Op. Comm. (2)
Harshman
Marshall, OME/DFC
Corres.file, Reg. III
Cooper
MF-104 file, Reg. III
Chron

Paid $500.00
RRC
Randel R. Cooper
Authorized Certifying Officer
11-26-58 DMEA-59-68

204 New Customhouse
Denver 2, Colorado
October 2, 1958

Mr. Albert W. Billing
Attorney in Fact
c/o Billing and Billing
Attorneys at Law
139 North Clark Street
Chicago 2, Illinois

Re: Docket No. DMMA 4947 (Uranium)
Contract No. Ida-1943
Charles M. Colomb and Associates
(Clyde, Marsh, and Longpert claim
Groups), Fremont County, Wyoming

Dear Mr. Billing:

Your letter of September 30, 1958, to Mr. E. N. Harshman, regarding what you believe to be an underpayment for work completed under Contract No. Ida-1943, has been referred to me for reply.

The payment of $2,828.86 received by you on September 17, 1958 represents, as you suggest, 50 percent of the approved total of $5,657.72 as shown in the administrative audit difference statement. This payment was for work completed by you for the month of June, 1958, under Stage V of your contract, not under Stage IV, as mentioned in your letter of September 30, 1958.

If you will refer to Amendment No. 5 to your exploration contract, you will note that as of April 28, 1958, all uncompleted work under Stages I, II, III, and IV was canceled and that new Stages V, VI, and VII were authorized to provide for exploration on the Clyde claim group. You will note further that Government participation in Stages V, VI, and VII is at a rate of 50 percent.

After you review your June, 1958, MP-104 report and Amendment No. 5 to your exploration contract, I am sure that you will agree that the check for $2,828.86 is payment in full for the Government's participation in the work reported in your June MP-104 report.

Very truly yours,

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer

EHH:pr1

cc: Chron.Cy.Comm.-2
Harshman
Marshall GMM/
EFC
Finance Office,
Region III
Corres. File
Copyer
Chron.

w/copy of
Operator's
letter of
9/30/58

OME
DEPARTMENT OF THE INTERIOR
OCT 1 - 1958
REGION III
DENVER COLORADO

DILLING AND DILLING
ATTORNEYS AT LAW
139 NORTH CLARK STREET
CHICAGO 2

ALBERT W. DILLING
KIRKPATRICK W. DILLING

TELEPHONE
CENTRAL 5 8417

September 30, 1958

Honorable N. E. Stokes, Audit Section
United States Department of the Interior
Bureau of Mines, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 4047 (Uranium)
Contract No. Idm-3943
Charles M. Coleman & Associates

Dear Mr. Stokes:

Recently you forwarded an administrative audit difference statement to us in connection with Stage IV of the above contract. The amount approved was $5657.72.

On September 17th we received a remittance in the sum of $2828.86, representing 50% of the total amount approved. We have received no further remittance since.

As the records in connection with the above contract will reveal, DMEA participation in Stage IV of the above contract is 75% of the amount approved. Thus, there should be a further remittance in the sum of $1414.43 covering this stage.

The thought has occurred to us that, with the recent change in DMEA participation, some contracts calling for only 50% participation, the additional remittance might have been overlooked. We would appreciate it very much, in any event, if you would look into the matter, ascertaining when receipt of the additional sum may be expected.

Yours very truly,

Albert W. Dilling

AWD: hs

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUL 15 1958 D.M.E.A.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 195 8 Docket No. DMEA 4847 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 139 North Clark Street, Chicago, Illinois
Contract Amount, $ 18,316.00 Government Participation: 75 % Amount, $ 13,737.00

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	4,589.20	9,484.00	14,073.20			
Bulldozing	62.50	775.00	837.50			
xxxxxxxx Standby	90.00	100.00	190.00			
Incidental Costs						
xxxxx Allowance	1,041.92	1,672.00	2,713.92			
Drifting						
(2) Labor and Supervision:						
xxxxx Sampling		717.00	717.00			
Labor		1,100.00	1,100.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers		6.00	6.00			
(4) Operating Equipment:						
Rental		140.00	140.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		110.50	110.50			
xxxxxxxxx						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Radiometric Logging		444.00	444.00			
Accounting		84.00	84.00			
TOTALS	~~5,783.62~~	~~14,632.50~~	~~20,416.12~~	2828.86	14,632.50	17,461.36

DMEA
DEPARTMENT OF THE INTERIOR
JUL 21 1958
REGION III
DENVER, COLORADO

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

Date 7-15-58 *Payee Charles M. Coleman and Associates

Per Allen H. Selling Title Attorney-in-Fact.

*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.

500.00 Reinstated
500.00 Rittfeld

(Instructions on reverse)

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

$ 2828.86

Signature
(Authorized Certifying Officer)

Date 9/9/58 Voucher No. 59-35

(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. DMEA 943 in accordance with the terms of the contract.

Signature E W Bunyan (#4260.84) Title Mining Engineer Date August 20, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Accountability

Signature J W Tomlinson Title Alternate Acting Executive Officer Date SEP 5 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

RECEIVED JUL 16 1958 D.M.E.A.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1958 Docket No. DMEA 4047 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 139 N. Clark Street, Chicago, Illinois

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
		Stage III						
Drifting								
Non-Core drill	1 ft.	1,376.00	1720	3,696.00	4620	80¢		
Crosscutting								
Chem. Assays	1 spl	10.50	3	10.50	3	3.50		
Raising								
Incidental Allow	1 ft.	378.40	1720	1,016.40	4620	22¢		
Shafts								
		Stage IV						
Winzes								
Non-Core Drill	1 ft.	2,384.00	2980	2,384.00	2980	80¢		
Drilling, Core								
Standby	1 hr.	100.00	10	100.00	10	10.00		
Incidental Allowance	1 ft.	655.60	2980	655.60	2980	22¢		
Drilling, Churn								
Auger								
		Stage V						
Stripping								
Non-Core Drill	1 ft.	4,589.20	4736	4,589.20	4736	95¢		
Trenching								
Bulldozing	hr.	62.50	5	62.50	5	12.50		
Test Pits								
Standby	hr.	90.00	9	90.00	9	10.00		
Roads and Trails								
Incidental Allowance	ft.	1,041.92	4736	1,041.92	4736	22¢		
Total Distributed Costs		5,783.62		20,416.12				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 7-15-58 Operator Charles M. Coleman and Associates
Per [signature] Title Attorney-in-Fact.

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)

E. O. Bunyan
Note: Drilling amount should be $4499.20 and dozer time 4 hrs @ $12.50/hr or $50.00 for a total of $5681.12

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED SE 15 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT
(Stage II Completed)

Month of June 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 North Clark Street, Chicago, Illinois

OPERATION Stage II	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
xxxxxx Bulldozing	Hr.	0.00	0	0.00	0	0,00	92	13.00
Drifting xxxxxxxxx Drilling	Ft.	2,032.00	2480	2,032.00	2480	.010	2500	1.00
Crosscutting xxxxxx Geologist	No.	600.00	5/6	600.00	5/6	600.00	5/6	600.00
Raising xxxxx Sampler	Hr.	325.00	*	325.00	*	**	**	** See below
Shafts xxxxx Containersm	Lot	3.00	Lot	3.00	Lot	3.00	Lot	3.00
Winzes xxxxxxxxxx Truck Rental	Mi.	70.00	700	70.00	700	0.10	700	0.10
Drilling Costs Radiometric logging	Ft.	248.00	2480	248.00	2480	0.10	2500	0.10
Shafts xxxxx								
xxxxx Auger								
Payroll xxxxxx Taxes & Ins.		0.00	0	0,00	0	0.00	5% of	Payroll
Stripping xxxxxxx Accounting Job		42.00	Job	42.00	1	42.00	1	42.00
Trenching xxxxxx								
Test Pits xxxxxxxxxx								
Roads and Trails Chemical Analysis	(per (Spl	16.00	4	16.00	4	4.00	100m	5.00
TOTAL DISTRIBUTED COSTS		3,236.00		3,236.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 7-15-58 Operator Charles M. Coleman and Associates

Per [signature] Title Attorney-in-Fact

REMARKS: * 90 hours @ $1.75 plus 75 hours time over 40 hours per week @ 2.625

** $1.75 per hour plus time and one-half rate over 40 hours per week (maximum $325.00 for Stage II)

→ 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)

E O Benyon

(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

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
(Stage I Completed)

Month of June 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 North Clark Street, Chicago, Illinois

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Stage I								
Trenching								
XXXXXX Bulldozing	Hr.			775.00	62	12.50	92	13.00
Drifting								
XXXXXXXXX Drilling	Ft.			1,372.00	1960	.70	1960	1.00
Crosscutting								
XXXXXXSupv. Geolog.	Mo.			600.00	1	600.00	1	600.00
Raising								
XXXXX Sampler	Hr.			392.00			*$1.75/hr plus over time	
Shafts								
XXXXX Containers	Lot			3.00	Lot	3.00	Lot	3.00
Winzes								
XXXXXXXXXX Truck rental	Mi.			70.00	700	0.10	700	0.10
Drilling: Core								
XXXXXX								
Radiometric logging	Ft.			196.00	1960	0.10	1960	0.10
Auger								
XXXXXX Payroll taxes								
Stripping								
XXXXXXX & Ins.				0.00	0	0.00	5% of	Payroll
Trenching								
XXXXXXX Accounting								
Test Pits								
XXXXXXXXXXXX Job				42.00	Job	42.00	1	42.00
Roads and Trails								
Chemical Analysis	Spl.			84.00	24	03.50	100	5.00
TOTAL DISTRIBUTED COSTS				3,534.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 7-15-58 Operator Charles M. Coleman and Associates

Per [signature] Title Attorney-in-Fact.

REMARKS: *$1.75 per hour plus time and one-half rate over 40 hours per week (maximum for Stage I is $392.00)

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)

E O Bunyon

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

EXTRA COPY
D.M.E.A.
RECEIVED SEP 15 1958

DATE	INITIALS	CODE
		100
		800

FINAL DISTRIBUTION

MADE SEP 9 1958

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Charles M. Coleman and Associates
139 North Clark St.
Chicago 2, Illinois

Date: September 9, 1958
Payee's Reference: June 1958

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 5,783.62

Difference $ 125.90

Amount Approved $ 5,657.72

The reason for the difference was due to:

Disallowances

Drilling: Operator reports 4735 feet of drilling.
Drilling logs show 4715 feet of drilling.

Disallowed reported cost of 20 feet of drilling at $0.95 per foot ---------- $19.00

Disallowed Incidental Allowance for 20 feet of drilling at $0.22 per foot ------- 4.40

Disallowed Standby Time erroneously reported with drilling costs ---------- 90.00

(CONTINUED ON ATTACHED SHEET.)

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

Bulldozer: Operator reports 5 hours bulldozer time at $12.50 per hour; however, the invoice indicates that 4 hours of bulldozing were performed at $17.50 per hour. Four hours of bulldozer time at $12.50 per hour is allowable.

Disallowed 1 hour of bulldozer time at $12.50 per hour ----------	$12.50
Total amount disallowed	$125.90

Reinstated the amount of $500.00 which was withheld in processing the August 1957 voucher.

Withheld an amount of $500.00 pending performance of additional work; or, if additional work is not approved by the Government and performed by the Operator, continue to withhold the amount of $500.00 pending resolution of matters prerequisite to closing the account.

[illegible] New Customhouse
Denver 2, Colorado
September 4, 1958

Memorandum

To: T. A. Christensen

From: Alternate Acting Executive Officer, DMEA Field Team, Region XXI

Subject: Docket No. DMEA 1047 (Grandvue) Contract No. Ism-8943 Charles M. Coleman and Associates (Clyde, Marsh, and Longpret claims group) Fremont County, Wyoming - Progress Report for June 1958

Enclosed are the original and four copies each of Forms MF-124 and MF-124A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are at low or lower than the rates contained in the lowest and best bid submitted with the application.

The estimated units of Standby Time for Stage V have been exceeded. However, neither the unit cost for Standby Time nor the total cost for the category has been exceeded, therefore, the reported cost for Standby Time under Stage V is allowable. The examining engineer verbally concurred in the matter September 4, 1958.

Except as otherwise indicated below we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Disallowances

Drilling: Operator reports 4756 feet of drilling.
Drilling logs show 4715 feet of drilling.
Disallow reported cost of 30 feet of drilling at $0.95 per foot ---------- $ 19.00

Disallow Incidental Allowance for 20 feet of drilling at $0.22 per foot ---------- 4.40
Disallow Standby Time erroneously reported with drilling costs ---------- 90.00

Bulldozer; Operator reports 5 hours bulldozer time at $12.50 per hour; however the invoice indicates that 4 hours of bulldozing were performed at $17.50 per hour. Four hours of bulldozer time at $12.50 per hour is allowable.

Disallow 1 hour of bulldozer time at $12.50 per hour ---------- 12.50
Total amount to be disallowed ----------$125.90

Reinstate the amount of $500.00 which was withheld in processing the August 1957 voucher.

Withhold an amount of $500.00 pending performance of additional work; or, if additional work is not approved by the Government and performed by the Operator, continue to withhold the amount of $500.00 pending resolution of matters prerequisite to closing the account.

Reconciliation with Amount Reported by the Operator on Form MP-104 for June 1958

Amount reported on Form MP-104 for June 1958 --- $5,783.62
Amount to be disallowed ---------- 125.90
Acceptable cost for June 1958 ---------- $5,657.72

Government participation at 50 percent ---------- $2,828.86
Amount to be reinstated ------- $500.00
Amount to be withheld --------- 500.00
0.00

Balance due the Operator ---------- $2,828.86

Remarks:

Date of report ---------- July 15, 1958
Date received in field office ------ July 22, 1958
Date received in Regional Office --- September 4, 1958

Original signed by
J. W. TOWNSEND
J. W. Townsend

JWT:dx
cc: Chan. Op. Comm. 2
Mayon, DMEA/WPC
MP-104 file, Reg. III
Hardman
Cooper } w/cy engr'r report
Chron.

DMEA
DEPARTMENT OF THE INTERIOR

SEP 4 - 1958
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
Sept. 3, 1958

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Reg. III

From: E. O. Binyon

Subject: Docket No. DMEA 4047 (Uranium) Contract IAm-2943, Chas. M. Coleman and Associates (Clyde, Marsh, and Longport claims group) Fremont County, Wyoming -- Progress report for June 1958

An inspection of the work completed during the period was made August 6, 1958. No work was in progress and no one was at the property when visited.

The locations and depths of the holes were found to be as shown on the operator's map and as reported.

Eleven holes with a total depth of 4736 feet were drilled and a minor amount of dozer work was done during the month. A check of the cuttings from each hole with a counter gave considerably less count than reported, probably due to drilling with mud. The check was of no value. The logs were checked and only one hole -- Hole No. 2 -- had any appreciable count. The mineralization in this hole was from 166 to 180 feet and the 14 feet averaged .07 percent eU_3O_8. The operator shows 0.098 percent for 6 feet in this hole (172-178 feet). This however is incorrect. The log shows approximately 0.09 percent eU_3O_8 for a thickness of 1.25 feet (176.25-177.5).

Although the operator reported 4736 feet drilled and this footage is documented by the driller's invoice, the lithologic logs show a total footage of only 4716 feet. This is the footage allowed for payment and the amount for drilling should be $4480.20. The amount claimed for Incidental allowances is reduced to $1057.92 (4716 x $0.22), the amount allowed for payment. The RF-104 and 104A forms were checked and found to be in error. A tabulation of the amounts claimed and the amounts allowed for payment follows:

	Amount Claimed	Allowed for payment
Drilling 4736 feet at $0.95, including $90.00 for standby time (error)	4589.20	
Drilling 4716 feet at $0.95		4480.20
Bulldozer time 4 hrs. at $17.50, but claimed 5 hrs. at $12.50	62.50	
Bulldozer time 4 hrs. at $12.50		50.00
Standby time 9 hrs. at $10/hr. (also included with drilling amount)	90.00	
Standby time 5 hrs. at $10/hr.		50.00
Fixed Cost		
Incidental Allowances 4736 ft. at $0.22	1041.92	
Incidental Allowances 4716 ft. at $0.22		1037.52
Totals	$5783.62	$5617.72

The documentation for the bulldozer time shows only 4 hours, therefore, only 4 hours at the contract rate of $12.50/hr. are allowed. It is recommended that the operator be paid $2808.86 or the Government's share at 50 percent of $5617.72, the amount allowed for payment.

Inasmuch as the operator is to drill only 600 feet under Stage VI as offset drilling and this will probably be all the drilling that will be approved, it is suggested that $300.00 or at least a part of this amount be withheld pending completion of the 600 ft. and receipt of the final report. A copy of the map, logs and lithologic logs have been retained in this office. The contract expires Sept. 1, 1943.

E. O. Bunyon
E. O. Bunyon
Mining Engineer

EOB/mr
cc: 6
16-2943
ehren

INVOICE

208 Boulder Bldg.
Tulsa, Oklahoma
PHONE Gibson 7-8847

B. C. Couch Drilling Co.

Teton Hotel
Riverton, Wyo.
PHONE UL6-2271

TO:

Charles M. Coleman and Associates
c/o Ford and Fox, Agents
Riverton, Wyoming

DATE: July 3, 1958

INVOICE NO: D #3

For Drilling on Clyde Claims for month of June, 1958	
4,736' @ $0.95 per foot.	$4,499.20
9 hrs. Standby @ $10.00 per hr.	90.00
Total:	$4,589.20

July 7, 1958

Charles M. Coleman and Associates
Ford and Fox, Agent
Box 428
Riverton, Wyoming

June 21, 4 hrs D8 dozer @ $17.50 $70.00

White Const. Co.
per Leon White
Box 686, Riverton, Wyoming

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

July 8, 1958

REPORT ON WORK ACCOMPLISHED UNDER STAGE V
EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN, ET. AL.
DOCKET NO. DMEA-4047
CONTRACT NO. Idm-E 1133

INTRODUCTION

All drilling under Stage V of the above named contract was completed on June 30, 1958. The drilling was restricted to the Clyde claim group located in Sections 22 and 23, T32N, R91W, and was as per instructed in Amendment No. 5 and No. 6 of the above named contract. Eleven rotary non-core holes were drilled totaling 4,736 feet or 1,314 feet less than the maximum allowed by the DMEA offices.

EXPLORATION DRILLING

Drilling under Stage V was started on June 13, 1958 with one Failing and one Mayhew drill. Samples were collected and stored from both air and water circulated mediums.

Drill hole locations were surveyed and are plotted on the accompanying map with reference to Government subdivisions and the Clyde claim survey. Accompanying plan map shows the location and designation of holes drilled.

Samples were logged lithologically and checked for radioactivity with a Model 111B Scintillation Counter. Samples were collected and saved. However, no samples were taken for chemical assays because all Stage V drill holes were drilled with heavy mud.

All holes were probed by Century Geophysical Corporation, Uranium Division, Grand Junction, Colorado. Probe records accompanying this report show Gamma, and resistivity curves. The accompanying chart of drill hole depths also gives information on mineralization encountered. The proper method of interpreting the %eU_3O_8 from the Century gamma logs is as follows:

1. Establish background count.
2. Take note of sand-shale horizons to select proper interval of anomalous thickness.

3. a) Using a planimeter:

$$\frac{2 \times \text{area} \times \text{scale (250 cps)}}{\text{Thickness}} = \text{Ave. cps}$$

b) Using engineers scale:

Average cps each 1' interval of anomaly then total average cps for anomaly and divide by total thickness = Ave. cps.

The above steps give average cps for the anomalus thickness. This average cps should be related to the attached correlation curve found very accurate in the Gas Hills area. The curve is related to dry holes. The Clyde claims were drilled with mud of approximately 70 lb. density. Hole size of 4½ inches and 70 lb. mud will decrease the cps 20%. Therefore, average cps x 120% = cps for interpretation on correlation curves.

Hole No.	Total Depth	Elevation	Mineralization Footage	Mineralization Counts per second
1	390	6630	109-115	38
2	360	6660	168-184 172-178 332-337 341-349	170 248 30 51
3	390	6680	220-245	15
4	390	6690	120-136	30
5	530	6750		
6	600	6740		
7	450	6630	106-110 115-118	77
8	360	6630		
9	400	6660		
10	360	6560		
11	506	6570	182-185	18

GEOLOGY AND MINERALIZATION

The Stage V drilling confirmed the presence of significant, wide spread mineralization. Such mineralization is confined to two zones, as indicated by hole No. 2 on the east end of the Clyde claim No. 10. The upper mineralized zone is in a well developed sandstone as indicated on the resistivity log of hole No. 2. This sandstone horizon is also mineralized in hole No's. 4, 7 and 8.

The sandstone without mineralization is apparent in holes 1 and 10, it is slightly developed with a shale parting in hole No. 5.

The Century Geophysical Corporation logs make for easy interpretation when sets of logs forming a cross section are viewed as such. The following cross sections should be observed as looking east (northern most hole on the left) and with the hole depths all adjusted to a horizontal plane with Hole No. 1 as the datum at 20 feet of depth.

Cross Section	Hole No.	Depth Equal to Datum of 20' on Hole No. 1
1	1	100'
	2	58'
	3	84'
2	4	55'
	5	98'
	6	77'
3	7	41'
	8	65'
	9	73'
4	10	57'
	11	64'

Drill centers are too distant to allow close interpretation of the structure, but apparently some generalizations can be made as to fault structure from the common datum listed above and elevations as listed.

1. A fault, trending north-south between holes No. 1, 2, 3 and 4, 5, 6, the east side is down thrown.

2. A fault, trending north-south between holes No. 7, 8, 9 and 10, 11; or a misinterpretation of the mineralized sandstone zone, thought to be easily followed on resistivity logs.

Ore grade material was found in hole No. 2 and significant mineralization in holes No. 4 and 7. Using the Century Geophysical Corporation's "Gas Hills" correlation curve, and allowing for mud cake and hole size as suggested by Century Geophysical Corporation, the following is the equivalent uranium assay

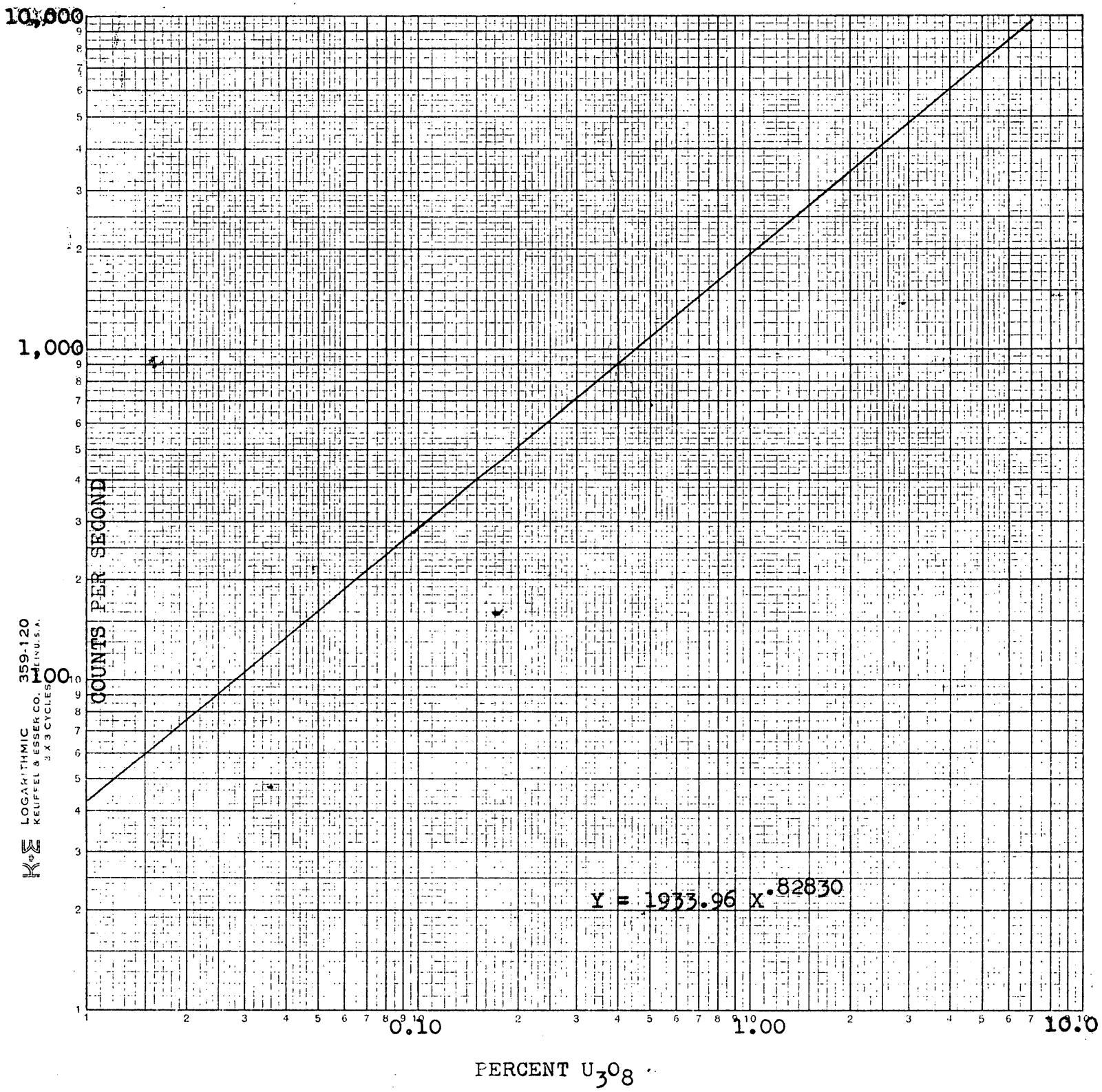
for Hole No. 2.

168' to 184'	16'=.08% eU_3O_8
172' to 178'	6'=.12% eU_3O_8

To date deep drilling on the Clyde claim group has been successful and additional work will be requested under terms of the contract.

Respectfully Submitted,

July 8, 1958
Riverton, Wyoming


10,000
1,000
100
COUNTS PER SECOND
0.10
1.00
10.0
PERCENT U_3O_8
$Y = 1933.96\ X^{.82830}$
K+E LOGARITHMIC 359-120
KEUFFEL & ESSER CO. MADE IN U.S.A.
3 X 3 CYCLES

Hole Clyde #1

Bottomed June 20

T.D. 390'

0-8	Overburden. Brown sand. Poorly sorted.
8-24	Buff coarse-grained sandstone.
24-28	Buff clay.
28-48	Buff coarse-grained sandstone. Some pebbles.
48-58	Blue green clay.
58-70	Blue-green silt.
70-112	Green clay. Turns brown at 80 to 105.
112-132	Light blue coarse-grained sandstone. (Conglomerate).
132-154	Green siltstone and clay.
154-186	Light blue coarse-grained sandstone.
186-200	Green clay.
200-240	Matrix coarse-grained sandstone. Conglomerate. Fragments of chert.
240-254	Blue clay and silt.
254-312	Blue conglomerate sandstone. Fragments of chert.
312-318	Blue silt and clay.
318-350	Stringers of sandstone, clay and silt.
350-362	Dark brown carbonaceous shale.
362-390	Green-blue clay and silt.

Hole Clyde #2

Bottomed, June 21

T. D. 360'

0-10	Overburden. Brown sand.
10-22	Sandy clay. Brown to 12 then red.
22-96	Buff-green coarse-grained sandstone, lighter with depth. Went to water at 50.
96-122	Blue-green clay.
122-124	Buff coarse-grained sandstone.
124-164	Blue clay to 132 then red-brown. Hematite stain to 160.
164-190	Gray-blue coarse-grained sandstone. Some carbon.
190-230	Blue clay.
230-352	Blue-gray coarse-grained sandstone. Conglomerate. Stringers of blue clay throughout.
352-356	Brown shale. Carbonaceous.
356-360	Blue clay.

Hole Clyde #3

Bottomed, June 25

T.D. 390'

0-12	Overburden. Brown poorly sorted sand.
12-34	Buff coarse-grained sandstone.
34-52	Buff clay, turns blue at 40, turns red at 44, turns blue at 48. More sand with depth.
52-66	Buff very coarse-grained to pebbly sandstone, went to water at 60.
66-74	Blue clay.
74-118	Buff very-coarse-grained sandstone.
118-120	Blue clay.
120-134	Blue coarse-grained sandstone.
134-142	Blue clay. Hematite stain.
142-154	Blue coarse-grained sandstone.
154-230	Blue clay with trace of iron stain throughout. Much stain 148-176. No Stain 202.
230-380	Blue coarse-grained sandstone. Stringers of blue clay from 286 on. Very little clay after 310.
380-390	Brown shale and coarse-grained blue sandstone.

Hole Clyde #4

Bottomed June 24

T.D. 360'

0-4	Overburden. Brown sand.
4-46	Buff coarse-grained sandstone. Trace clay at 12-20. Went to water at 30.
46-56	Buff clay.
56-66	Buff coarse-grained sandstone.
66-80	Blue-green clay.
80-88	Blue coarse-grained sandstone.
88-132	Blue-green clay, stringers of sand at 106-108, hematite stain 114-118.
132-146	Blue coarse-grained sandstone with fragments of black chert.
146-148	Blue black clay.
148-154	Light gray coarse-grained sandstone and blue clay.
154-178	Blue-green clay.
178-194	Brown coarse-grained sandstone and blue clay.
194-196	Blue clay.
196-230	Blue green coarse-grained sandstone, with stringers of clay throughout.
230-242	Blue green clay.
242-352	Blue coarse-grained sandstone with traces of clay.
352-360	Blue coarse-grained sandstone with green clay and silt and brown shale.

Hole Clyde #5

Bottomed June 20

T.D. 520'

0-4	Overburden. Pink sand with pebbles.
4-16	Gray coarse-grained sandstone with pebbles.
16-40	Light brown sandy clay.
40-66	Light brown coarse-grained sandstone. Pebbles 50-66.
66-68	Blue clay.
68-72	Medium brown sandstone with clay.
72-80	Gray coarse-grained sandstone.
80-82	Brown sandy clay.
82-114	Gray very coarse-grained sandstone. Trace clay 104-106.
114-128	Blue medium-grained sandstone with clay.
128-170	Buff coarse-grained sandstone. Went to water at 135.
170-178	Blue clay.
178-190	Buff coarse-grained sandstone.
190-212	Blue clay.
212-216	Blue coarse-grained sandstone.
216-268	Blue clay and hematite stained red.
268-272	Blue coarse-grained sandstone.
272-278	Blue clay.
278-316	Blue fine-grained sandstone with clay.
316-324	Blue clay.
324-360	Light blue very coarse-grained sandstone.
360-376	Blue clay with brown fine-grained sandstone.
376-420	Blue fine-grained sandstone with mud and clay.
420-486	Blue very coarse-grained sandstone.
486-488	Blue very coarse-grained sandstone with fragments of black-brown carbonaceous shale.
488-520	Blue clay and siltstone. Fragments of black shale.

Hole Clyde #6

Bottomed June 18

T.D. 600'

0-6	Overburden. Light gray sand.
6-12	Light brown siltstone with pebbles.
12-16	Light brown very coarse-grained sandstone.
16-42	Light brown to pale green silt and clay.
42-76	Brown-green fine-grained sandstone. Blue with depth.
76-108	Blue very coarse-grained sandstone.
108-124	Light green-blue clay.
124-172	Light blue very coarse-grained sandstone. Stringers of clay 134-140. Color of sand, light brown at 150 to 172.
172-246	Blue clay. Iron stain 216-246.
246-268	Gray very coarse-grained sandstone.
268-318	Blue clay and silt.
318-330	Gray very coarse-grained sandstone.
330-336	Blue clay.
336-340	Gray-blue very coarse-grained sandstone.
340-374	Samples contain light brown and green clay, light blue silt and very fine grained sandstone, and coarse-grained gray sand in equal amounts. Trace of pyrite.
374-480	Blue clay and silt.
480-546	Gray coarse-grained sand, fragments of dark brown shale.
546-600	Samples contain about equal amounts of green clay and silt, medium-grained sand, some fragments of dark brown shale.

Hole Clyde #7

Bottomed June 17

T.D. 440'

0-32	Buff coarse-grained sandstone. Very coarse near bottom.
32-38	Brown and green clay.
38-52	Green very fine-grained sandstone. (silt). Red stained 44-50.
52-68	Gray coarse-grained sandstone. Went to water 62.
68-100	Green clay. Stringers of coarse sand 78-84.
100-110	Gray coarse-grained sandstone.
110-134	Blue gray very coarse-grained sandstone and clay. (Conglomerate).
134-162	Green-blue clay.
162-168	Gray-blue very coarse-grained sandstone.
168-174	Green clay and silt.
174-178	Green-gray very coarse-grained sandstone.
178-202	Green clay. Hematite stained 192-202.
202-228	Conglomerate. Fragments of quartz. Some pyrite. Matrix fine sandstone?
228-262	Green clay.
262-276	Gray very coarse-grained sandstone.
276-286	Green silt. Hematite stain.
286-316	Gray very coarse-grained sandstone.
316-362	Green silt and clay. Hematite stain.
362-400	Dark brown to black carbonaceous shale.
400-440	Green silt and clay and light tan clay.

Hole Clyde #8

Bottomed June 17

T. D. 390'

0-4	Overburden. Brown sand.
4-34	Light brown coarse-grained sandstone. Some clay 12-18.
34-48	Blue to 40 then brown silty and clay.
48-56	Buff coarse-grained sandstone.
56-72	Clay, blue to 62 then red to 70 then blue to 72.
72-86	Blue green coarse-grained sandstone and clay.
86-96	Blue-green clay.
96-102	Blue-green coarse-grained sandstone.
102-114	Blue-green clay.
114-140	Blue-green coarse-grained sandstone. Trace clay at 130-132.
140-176	Blue-green clay and silt. Trace Hematite stain.
176-180	Blue green coarse-grained sandstone and clay.
180-192	Blue-green clay.
192-224	Blue coarse-grained sandstone.
224-340	Conglomerate, chert pebbles and quartz pebbles, stringers of sand and mud matrix sandstone, little mud from 286-312.
340-362	Bright green siltstone.
362-380	Dark brown carbonaceous shale.
380-390	Bright green siltstone and mud.

Hole Clyde #9

Bottomed, June 25

T.D. 400'

0-12	Buff coarse-grained sandstone and clay.
12-16	Green clay.
16-24	Green coarse-grained sandstone and clay.
24-32	Green and brown clay.
32-44	Buff coarse-grained sandstone. Went to water at 40.
44-46	Blue clay.
46-74	Buff coarse-grained sandstone.
74-82	Blue clay. Trace iron stain.
82-84	Blue coarse-grained sandstone.
84-114	Blue clay. Very strong iron stain to 100.
114-128	Blue gray coarse-grained sandstone.
128-156	Blue clay. Trace iron stain throughout.
156-158	Blue coarse-grained sandstone.
158-166	Blue clay.
166-174	Blue-green coarse-grained sandstone.
174-190	Blue green clay.
190-194	Blue-green coarse-grained sandstone.
194-216	Blue clay. Very light blue clay 202-216.
216-272	Light gray coarse-grained sandstone. Green clay and silt throughout.
272-294	Green clay.
294-306	Blue coarse-grained sandstone.
306-334	Blue clay.
334-384	Gray very coarse-grained sandstone. (Conglomerate). Fragments of chert. Stringers of green silt.
384-400	Black-brown carbonaceous shale.

Hole Clyde #10

Bottomed June, 17

T.D. 360'

0-10	Overburden. Brown coarse grained sand.
10-14	Brown fine-grained sandstone.
14-20	Buff coarse-grained sandstone.
20-40	Brown fine to medium-grained sandstone with clay.
40-52	Green-brown fine-grained sandstone.
52-66	Blue coarse-grained sandstone.
66-82	Gray medium-grained sandstone with clay. Went to water at 76'.
82-92	Blue coarse-grained sandstone.
92-96	Blue-green clay.
96-116	Blue coarse-grained sandstone.
116-122	Blue clay.
122-144	Blue very coarse-grained sandstone.
144-150	Blue clay.
150-182	Blue very coarse-grained sandstone. Trace of clay 164-168.
182-202	Red to 194 then blue clay. Iron stained.
202-216	Blue very coarse-grained sandstone.
216-226	Blue clay and silt.
226-230	Blue very coarse-grained sandstone.
230-256	Blue clay and silt. Iron stain 242-248.
256-262	Blue very coarse-grained sandstone.
262-290	Blue clay.
290-292	Blue coarse-grained sandstone.
292-302	Black carbonaceous shale.
302-360	Gray and green fine-grained sandstone. Trace of iron stain throughout. Chert fragments 330-346. Stringers of green shale throughout.

Hole Clyde #11

Bottomed, June 14

T.D. 506'

0-4	Overburden. Brown sand.
4-16	Brown coarse to medium-grained sandstone.
16-42	Pale green fine-grained sandstone and clay.
42-44	Blue very fine-grained sandstone.
44-46	Brown medium-grained sandstone.
46-52	Pale green medium-grained sandstone.
52-54	Brown medium to coarse-grained sandstone.
54-58	Pebble Conglomerate. Matrix fine-grained sandstone. Chert and quartz pebble.
58-62	Pale green find-grained sandstone.
62-104	Blue gray very coarse-grained sandstone. Went to water at 88'. Much clay in the wet samples.
104-144	Pale blue very fine-grained sandstone. Contains pyrite.
144-174	Pale blue very coarse-grained sandstone.
174-184	Pale blue very fine-grained sandstone. Some pyrite.
184-188	Pale blue coarse-grained sandstone.
188-198	Pale blue very fine-grained sandstone with much blue clay, some pyite.
198-208	Pale blue coarse-grained sandstone. Some pyrite.
208-226	Pale blue fine-grained sandstone.
226-236	Pale blue coarse-grained sandstone.
236-268	Pale blue sandstone.
268-304	Pale blue silt and clay. Iron stain. Pyrite. Some coarse-grained sand at 296-300. Slightly finer grained at 268.
304-326	Black-brown shale. Carbonaceous.
326-404	Pale blue fine-grained sandstone. Green shale.
404-452	Green very fine-grained sandstone and blue clay.
452-502	Red clay and red fine-grained sandstone.
502-506	Gray fine-grained sandstone with chert fragments.

Form M-1-1 (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

Month of August, 1957 Docket No. DMEA 4047 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 139 North Clark Street, Chicago, Illinois
Contract Amount, $ 18,316.00 Government Participation: 75 % Amount, $ 13,737.00

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:						
~~xxxxx~~Rotary non-core	2,384.00	7,110.00	9,494.00		7100.00	9,484.00
Bulldozing		775.00	775.00			
Crosscutting						
~~Rotary~~ Stand-by	100.00		100.00			
Incidental Allowance	655.60	1,016.40	1,672.00			
(2) Labor and Supervision:						
Labor Sampling		717.00	717.00			
Supervision		1,100.00	1,100.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers		6.00	6.00			
(4) Operating Equipment:						
Rental		140.00	140.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		110.50	110.50			
Payroll Taxes						
Liability Insurance						
Radiometric logging		444.00	444.00			
Accounting		84.00	84.00			
(8) Contingencies (specify):						
TOTALS	$3,139.60	$11,502.90	$14,642.50	3,139.60	11,492.90	14,632.50

DMEA
DEPARTMENT OF THE INTERIOR
SEP 19 1957
REGION III
DENVER, COLORADO

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

Date Sept. 7, 1957 *Payee Charles M. Coleman and Associates

Per Albert A. Zellers Title Attorney-in-Fact

*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:

$ 1854.70

Signature RRR
(Authorized Certifying Officer)

Date 10-22-57 Vou. No. DMA-58-50
(See other side)

Note: Withheld 500.00

(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. DME 943 in accordance with the terms of the contract.

Signature E. O. Benson (23547.70) Title Mining Engineer Date October 17, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hershman Title acting Executive Officer Date OCT 21 1957

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 MR-104A
(April 1952)

Budget Bureau No. 42-R1151.2

DMEA
DEPARTMENT OF THE INTERIOR
SEP 19 1957
REGION III
DENVER, COLORADO

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

(Stage IV Completed)

Month of August 1957 Docket No. DMEA 4047 Contract No. Idm-E-943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 North Clark Street, Chicago, Illinois

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~~ Non-core	1 ft	2,384.00	2,980	$2,384.00	2980	80¢		
Churn								
Auger								
Stripping								
Trenching								
~~Test Pits~~ Drill Stand-by	1 hr	100.00	10	100.00	10	10.00		
Roads and Trails								
Incidental Allow.	1 ft	655.60	2,980	655.60	2980	22¢		
Total Distributed Costs		$3,139.60		$3,139.60				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 Sept. 7, 1957 Operator Charles M. Coleman and Associates

Per [signature] Title Attorney-in-Fact

Remarks: Above accounting is total for the month of August and completed Stage IV drilling.

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)

E O Bunyon

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.

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GPO 872894

Form EIF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

(Stage III Completed)

Month of August 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street Chicago, Illinois

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~~ non-core	1 ft	1376.00	1720	3,696.00	4620	80¢		
Churn								
Auger								
~~Stripping~~ Chem. Assays	1 spl	10.50	3	10.50	3	3.50		
Trenching								
Test Pits								
Roads and Trails								
Incidental Allow.	1 ft.	378.40	1720	1,016.40	4620	22¢		
Total Distributed Costs		1764.90		4,722.90				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 Sept. 7, 1957 Operator Charles M. Coleman and Associates

Per Albert H. Dillig Title Attorney-in-Fact

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)

Remarks: ~~Above accounting is total for month of August and completed Stage III drilling~~

E O Bunyon

(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

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

(Stage II Completed)

Month of August 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

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
Stage II								
Bulldozing	Hr.	0.00	0	0.00	0	0.00	92	13.00
Drilling	Ft.	2032.00	2480	2032.00	2480	.010	2500	1.00
Geologist	Mo.	600.00	5/6	600.00	5/6	600.00	5/6	600.00
Sampler	Hr.	325.00	*	325.00	*	**	**See	below
Containers	Lot	3.00	Lot	3.00	Lot	3.00	Lot	3.00
Truck Rental	Mi.	70.00	700	70.00	700	0.10	700	0.10
Radiometric logging	Ft.	248.00	2480	248.00	2480	0.10	2500	0.10
Payroll taxes & Ins.		0.00	0	0.00	0	0.00	5% of	Payroll
Accounting Job		42.00	Job	42.00	1	42.00	1	42.00
Chemical Analysis	(per (spl	16.00	4	16.00	4	4.00	100	5.00
TOTAL DISTRIBUTED COSTS		3236.00		3236.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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.

Charles M. Coleman and Associates

Date Sept. 7, 1957 Operator

Per [signature] Title Attorney-in-Fact

REMARKS: * 90 hours @ $1.75 plus 75 hours time over 40 hours per week @ 2.625
** $1.75 per hour plus time and one-half rate over 40 hours per week (maximum $325.00 for Stage II)

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)

[signature]

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.

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GPO 872894

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

(Stage I Completed)

Month of August 195 7 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

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
Stage I (Trenching)								
~~Drifting~~ Bulldozing	Hr.			775.00	62	12.50	92	13.00
~~Crosscutting~~ Drilling	Ft.			1372.00	1960	0.70	1960	1.00
~~Raising~~ Supv. Geolog.	Mo.			600.00	1	600.00	1	600.00
~~Shaft~~ Sampler	Hr.			392.00		*$1.75/hr plus overtime		
~~Winzes~~ Containers	Lot			3.00	Lot	3.00	Lot	3.00
~~Stoping~~ Truck Rental	Mi.			70.00	700	0.10	700	0.10
Radiometric logging	Ft.			196.00	1960	0.10	1960	0.10
~~Scraping~~ Payroll taxes								
~~Trenching~~ & Ins.				0.00	0	0.00	%	of Payroll
~~Test Pits~~ Accounting								
Roads and Trails Job				42.00	Job	42.00	1	42.00
Chemical Analysis	Spl			84.00	24	3.50	100	5.00
TOTAL DISTRIBUTED COSTS				3534.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 Sept. 7, 1957 Operator Charles M. Coleman and Associates

Per Albert W. Zelling Title Attorney-in-Fact

REMARKS: * $1.75 per hour plus time and one-half rate over 40 hours per week (maximum for Stage I is $392.00)

→ 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)

E O Bunyon

INSTRUCTIONS

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GPO 872894

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
October 24, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-4047 (Uranium) Contract Idm-E943
Charles M. Coleman & Associates, (Clyde, Marsh, and Longport groups of claims) - Fremont County, Wyoming, Operator's Monthly Progress Report and Voucher for the month of August, 1957

Enclosed is one complete copy of the Operator's Accounting Report for the month of August, 1957, plus one additional copy of Form MF-104, Operator's Monthly Report and Voucher.

One complete copy of the Operator's Accounting Report, except for Form MF-104, was forwarded to you by our letter of October 16, 1957, together with two copies of the Operator's final report and two copies of a joint memorandum pertaining to termination of the contract and issuing of a certification of discovery or development.

E. N. Harshman

E. N. Harshman

Enclosures

58-50

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III
[redacted]

FINAL DISTRIBUTION MADE OCT 23 1957

Administrative Audit Difference Statement

[redacted]

Date: [redacted]
Payee's Reference: [redacted]

[redacted]

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ [redacted]

Difference $ _____

Amount Approved $ [redacted]

The reason for the difference was due to:

[redacted]

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

RRC

[redacted]
Audit Section

[redacted]

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado
October 21, 1957

Memorandum

To: T. A. Christensen

From: Acting Executive Officer DMEA Field Team, Region III

Subject: DMEA Docket 4047 (Uranium) Contract Idm-8943.
Charles M. Coleman and Associates (Clyde Marsh and Longport claim groups) Fremont County, Wyoming - Operator's Monthly Progress Report for the month of August, 1957 (Includes July, 1957 progress)

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 75 percent of the amount reported on Form MF-104 for August, 1957, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deduction:

Withhold an amount of $500.00 pending resolution of matters prerequisite to closing the account. All currently approved Stage IV drilling has been completed, and the Operator has requested that the contract be terminated in its present status.

Remarks:

Date of Report----------September 7, 1957
Date Received in Field Office---------September 23, 1957
Date Received in Region Office--------October 18, 1957

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures

JDC:hmh
cc: Chmn. Op. Comm. (2)
DMEA, DFC) w/complete copy
MF-104 file, Reg. III) of report
Harshman) w/copy of
Townsend) Engr's report
Chron

DMEA
DEPARTMENT OF THE INTERIOR

REGION III

OCT 18 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
October 17, 1957

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: E. O. Binyon

Subject: Docket DMEA 4047 (Uranium) Contract IAm-E943, Charles M. Coleman and Associates (Clyde, Marsh and Longport claims groups) Fremont County, Wyoming -- Progress report for August 1957

The property was visited on July 24 and again on September 4, 1957. No work was in progress on either visit, however, the progress and completed work was discussed with the company's geologist. On the first inspection the geologist stated that the drilling had been suspended temporarily after the completion of 5 of the 12 holes approved for Stage IV. On the second inspection, he reported that all of Stage III drilling had been completed. In both instances, a field check was made of the holes reported drilled.

As reported, 12 holes with a total footage of 2980 feet were drilled during July and August 1957. The holes were located and drilled to the depths as shown on the map accompanying the operator's report. Hole data is given below:

Claim	Hole No.	Depth Ft.	Depth of approx. ore grade mineralization	Probe = U_3O_8	Depth Mineralized From To	Aver. Grade
Longport 1	3N	265	238-239 241 (238-241 = .094)	.102 .11	237-244	.076
Longport 1	3S	265	260.5-261 260-262	.16 .135	259-262	.091
Longport 1	3E	265	238-239	.097	236-240	.067
Longport 1	3W	265	252-254 253	.096 .12	252-255	.084
Longport 3	9N	235	212-213 219-222	.11 .129	211-215 219-222	.088 .109
Longport 3	9S	235	-	-	-	-
Longport 3	9E	235	-	-	228-229	.07
Longport 3	9W	235	215.5-216 223-225 (220-227 = .148)	.08 .328	215.5-216.5 220-227	.065 .148
Longport 5	13N	245	232-233	.152	228-229	.05
Longport 5	13S	245	-	-	-	-
Longport 5	13E	245	-	-	238-239	.04
Longport 5	13W	245	225-227 (224-228 = .194)	.221	224-228	.194

A check of the cuttings from holes 3N, E, S and W gave a reading between .05 and .08 percent eU_3O_8, holes 9N and 9W read .06 and about .10 percent eU_3O_8 respectively, and holes 13N and 13W both showed about .08 percent eU_3O_8.

The MF-104 and 104A forms except for an arithmetic error of $10.00 in the drilling cost under "Totals Previously Reported" were found to be correct. The drilling cost under "Totals Previously Reported should be $7,100.00 and the amount under Totals to Date $9,484.00, thereby making the totals under each heading 11,492.90 and 14,632.50 respectively.

The work was done in conformance with the terms of the contract and is properly documented. It is recommended that the operator be paid $2,354.70, the Government's share at 75% participation of $3,139.60 the total amount claimed.

Only 4 copies of the MF-104A forms were received in this office.

E. O. Bingen
E. O. Bingen
Mining Engineer

EOB/mw cc: 6 Idm-E943 chron

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

September 7, 1957

DMEA
DEPARTMENT OF THE INTERIOR
SEP 19 1957
REGION III
DENVER, COLORADO

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Dear Mr. King:

Enclosed please find the original and four (4) copies of a final report on the above named contract. This report is in compliance with Article 7-C of the exploration contract and is also a formal request for termination of the above named contract. The progress report for the period ending August 31st with maps, charts, drill hole logs and drilling is made part of the above mentioned final report. Also attached to the final report are forms MF 104 and MF 104-A. The MF 104-A forms attached to each of the five (5) reports enclosed herewith are four (4) in number, each of which is a summary of each of the four (4) stages of exploration completed. Also attached to each of the five (5) copies of the final report enclosed herewith is one form MF 104. This is a total of all expenditures to date.

The enclosed report, together with the progress reports now in your office should make a complete and exacting report of all of the exploratory work performed under the exploration contract. Please advise me of the acceptance of this report and our request for termination of the contract.

Very truly yours,

Robert Ford

RBF:cjb
Encl 5 copies
CC: Mr. Albert W. Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago, Illinois

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

September 7, 1957

DMEA
DEPARTMENT OF THE INTERIOR
SEP 19 1957
REGION III
DENVER, COLORADO

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-R 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Dear Mr. King:

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The enclosed report, together with the progress reports now in your office should make a complete and exacting report of all of the exploratory work performed under the exploration contract. Please advise me of the acceptance of this report and our request for termination of the contract.

Very truly yours,

Robert Ford

RBF:ejb
Encl 5 copies
CC: Mr. Albert W. Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago, Illinois

Progress Report on Stage IV and Final Report for Exploration
Contract No. Idm-E 943
DMEA Docket #4047
Charles N. Coleman and Associates

PURPOSE

The application for exploration assistance made on behalf of Charles N. Coleman and Associates, Albert W. Dilling, Administrator, 139 North Clark Street, Chicago, Illinois; is summarized in this final report. This report is intended to be a summary of the exploration work completed under the above named contract and Amendments No. 1, 2 and 3 on the Clyde, Marsh and Longport Claim Groups; and formal request for termination of the exploration contract. The following report is intended to cover the necessary information as required under Article 7C of the contract.

CONTRACT

The exploration contract was divided into four stages of drilling. The contract also called for a total estimated allowable cost of the project of $9,492.00 with the Government contributing $7,119.00. Contract Amendment No. 3, dated April 19, 1957 changed the total allowable cost to $18,316.00 with the allowable Government contribution not to exceed $13,737.00.

Stage I exploration was limited to not more than 27 holes aggregating not more than 1,960 feet, and excavating not more than 13 trenches aggregating not more than 4,100 feet in length.

Stage II consisted of drilling an aggregate of not more than 2,500 feet consisting of ten (10) drill holes all on the Marsh Claim Group.

Stage III approved 4,500 feet of drilling consisting of thirteen (13) holes on the Longport claims and 120 feet of drilling consisting of three (3) holes on the Marsh Claims.

Stage IV consisted of not more than twenty (20) holes aggregating not more than 6,000 feet. This drilling was to be done with prior, more explicit, approval by the Government. Subsequently, twelve (12) offset holes were approved and drilled, totaling 2,980 feet.

The total work accomplished in all stages was 62 hours of bulldozing and 12,060 feet of drilling plus incidentals such as drill supervision and geology, radiometric logging, sampling, and assaying. The total cost of all work completed under the contract was $14,642.50, with the Government contributing $10,981.88.

This final report includes a summary of all costs for each stage of the exploration including Stage IV. The total work performed and costs can be varified by the 104 and 104-A forms enclosed herewith.

STAGE I

Drilling under Stage I was started on May 8, 1956 and completed on May 17, 1956. 1,960 feet of drilling was completed and 62 hours of bulldozing. The total costs of Stage I exploration was $3,534.00.

Clyde Claim Group

Work performed on the Clyde group of claims in Stage I consisted of two (2) 50 foot drill holes and seven (7) tractor trenches. No significant mineralization was found on the Clyde claims by this limited amount of exploration. No further work was performed on the Clyde claims under the auspices of the DMEA. The enclosed map shows Stage I work on the Clyde claims.

March Claim Group

Eighteen (18) rotary non-core holes were drilled at locations shown on the enclosed map of the March Claim Group. Hole M-3 cut two mineralized zones as follows:

178.5' - 180.5' 2.0 feet est. grade 0.20% U_3O_8

185.0' - 186.5'=1.5 feet est. grade 0.20% U_3O_8

This drill hole was offset in Stage II drilling. The only other Stage I drill hole on the Marsh claims to cut ore grade material was hole M-11. In that hole 1.5 feet of dark brown siltstone assayed 0.137% U_3O_8. This drill hole was not offset until Stage III.

Radiometric count but no commercial assays were obtained in holes M-4, M-8, M-9 and M-13.

Lamarert Claim Group

Seven (7) rotary non-core holes were drilled at locations designated on the enclosed map. All except hole No. L-2 were drilled to a depth of 50 feet. L-2 bottomed at 270 feet even though 50 feet was specified in the contract. No mineralization was found in this stage drilling.

STAGE II.

Drilling under Stage II of the contract was confined to the Marsh claims 1 through 6. Previous to this, eighteen (18) rotary non-core holes were drilled totaling 710 feet under DMEA contract Stage I. The enclosed map shows the hole location and depths of the Stage II drilling. The total footage drilled was 2,480 feet at an overall cost of $3,236.00.

Marsh Claim Group

Drilling under Stage II was started on October 2, 1956 and completed October 10, 1956. Drill hole samples, probing, and assaying were done in the conventional manner described in summary reports of this contract.

The Stage I and II drilling indicated, in a general way, two zones of moderately continuous mineralization. The enclosed Cross Section Map shows two horizons of

"blue clay" zones at depths approximating 100 and 200 feet. The upper "blue clay" zone thins southward and entirely disappears. The Cross Section Map enclosed shows these zones. The Plan Map shows the area underlain by "blue clay" as a cross-hatched symbol.

Calibrated probe readings indicated the following mineralized zones:

M-101	188' to 190'	0.11% U_3O_8
M-102	189.5' to 190.5'	0.14% "
M-103	173.5' to 174.5'	0.06% "
M-104	174.5' to 180.5'	0.08% "
M-105	201' to 260'	0.18% "
M-106	191' to 192.5'	0.08% "
M-109	214.5' to 217'	0.11% "

Chemical assays from Uranium Center Laboratory on the indicated footages and drill hole numbers are attached to the "Report on Work Performed Under Stage II," dated October, 1956.

STAGE III

Drilling under Stage III started on May 20, 1957 and was completed on June 7, 1957. Thirteen (13) rotary non-core holes were drilled totaling 4,500 feet on the Longport claims, and three (3) rotary non-core holes were drilled on the Marsh claims totaling 120 feet. Stage III drilling totaled 4,620 feet at a total cost of $4,722.90.

Marsh Claim Group

Stage III drilling on the Marsh claims consisted of three offset holes to hole M-11. The north offset M-11a shows mineralization from 30 to 34 feet. Hole M-11b, the southeast offset probed ore grade material from 28 to 30 feet. Chemical assays were 0.02% U_3O_8 in hole M-11a and 0.036 in hole M-11b.

Longport Claim Group

Stage III drilling on the Longport claims consisted of thirteen (13) deep holes as

shown on the enclosed map. This drilling located the Upper-Lower Wind River formation contact at the depths shown on the enclosed Cross Section Map of the Longport claims. The holes averaged about 350 feet deep and totaled 4,500 feet of rotary non-core drilling.

Mineralization was found in holes, 3, 6, 9, 11, 12 and 13. This mineralization was estimated by radiometric probing only, and such interpretation is shown on the drill hole logs and the thickness of mineralization on the Cross Section Map. In general the mineralization of the Longport claims is about 230 feet deep and averages five feet of anomalous radioactivity. Estimated ore grade material is usually only about two feet of this intercept.

Sufficient mineralization was encountered to justify Stage IV drilling.

STAGE IV

Drilling under Stage IV of the contract was completed on August 22. Twelve (12) offset holes were drilled totaling 2,980 feet, at a total cost of $3,139.60. Drilling was restricted to the Longport claim group and is shown on the enclosed map.

Holes No. 9N, 9E, 9W, 13N and 13W were mineralized as shown on the enclosed drill hole logs of the twelve (12) Stage IV drill holes. All drill holes were logged lithologically and probed for radioactivity. Also, all samples collected were tested at two feet intervals by a model 111B scintillator. These readings and background readings are given on each of the enclosed drill hole logs. A reel-mounted model 610 Babbel Counter was used to probe the holes. Correct interpretation is thought to have been made and entered on the enclosed drill hole logs.

No drill cuttings gave surface scintillator reading of twice background count, and therefore no chemical assays were made of the Stage IV drilling.

It is thought that the mineralization of the Stage III and Stage IV drill holes on the Longport claims have intersected a zone of highly carbonaceous, moderately radioactive sandstone-clay rock. This zone seemingly extends everywhere under the Longport claims. No geologic information has been gathered to date that would suggest a thickening or trend of this mineralized zone. Therefore, no additional Stage IV drilling is being proposed by the writer.

Drill hole logs of the Stage IV drilling are enclosed and made part of this report.

Geological Information

The geology of the Clyde, Longport, and Marsh claim groups has been adequately discussed by the writer in previous "Progress Reports" or reports on "Proposals and Recommendations." All the above named claim groups have the favorable Upper Wind River formation.

The contact of the White River and Wind River formations on the Clyde claims is shown on the enclosed map. It is thought that the Upper Wind River formation is about 500 feet thick on the Clyde claims. Drilling on the Marsh claims shows that the Upper Wind River formation should be about 300 feet thick. The favorable Upper Wind River is 270 feet thick on the Longport claim group.

No effective faulting was found on any of the claim groups except the Longport. Cross Section Map of that claim group shows the faulting on the north end.

Ore Reserves

No more reserves can be calculated or inferred from the drilling thus far completed under the DMEA contract on any of the claim groups.

Summary

The exploration work performed on the Clyde, Longport, and Marsh claim groups has been summarized as totaling 12,060 feet of drilling and related work costing $14,642.50. Assays, drill hole records, and maps have been furnished in various progress reports. Maps and diagrams showing work performed and interpretive data on all the claim groups are enclosed herewith. Government forms 104A summarize complete costs and expenditures of the project, by each of four (4) stages, and a summary of total costs can be found on form 104.

Respectfully submitted,

Robert Ford

September 6, 1957

PHONE GIBSON 7-8847

INVOICE

B. C. COUCH DRILLING CO.

Teton Hotel
~~JENKINS BUILDING~~ ~~615 SO. MAIN~~
Riverton, Wyoming
~~TULSA, OKLAHOMA~~

Teton Hotel
Riverton, Wyoming

TO: Riverton Uranium
Att.: Robert Ford
Riverton, Wyoming

DATE: August 26, 1957

INVOICE NO:

For stand-by time on Lookport claims

10 hrs. @ $10.00 per hour $100.00

Cutton 8-0047

INVOICE

B. C. COUCH DRILLING CO.

Toton Hotel
Riverton, Wyoming

Pa[illegible]
[illegible] E. [illegible]
Riverton, Wyoming
[illegible] Oklahoma

Toton Hotel
Riverton, Wyoming
Date August [illegible] 1947

[illegible]
Toton Hotel
Riverton, Wyoming

Invoice No.

For drilling on Longport claims

[illegible] 0 [illegible].60 per ft. [illegible]

EXTRA COPY DMEA		
RECEIVED SEP 23 1957		
DATE	INITIALS	CODE
		800

224 New Customhouse
Denver 2, Colorado

September 20, 1957

Mr. Robert Ford
Mining Geologist
c/o Ford and Fox, Consulting Geologists
206 South Broadway
Riverton, Wyoming

Re: Docket DMEA-4047 (Uranium)
Contract I&m-8243
Charles M. Coleman & Associates
(Clyde, Marsh, and Longport
groups of claims)
Fremont County, Wyoming

Dear Mr. Ford:

Receipt is acknowledged of Forms MF-104, Operator's Monthly Report and Voucher, and MF-104A, Operator's Unit Cost and Progress Report, Operator's narrative report, and supporting data, for the month of August, 1957, which is also intended as the final report required under Article 7(e) of the contract form.

A separate final report is ordinarily required, however, in this case the August report will serve the purpose of the final report if you will submit to this office six (6) additional copies of each map submitted with the August report.

Your immediate attention in the matter is requested.

Yours very truly,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

JDC:hmh
cc: Chmn. Op. Comm. (2)
Harshman
DMEA, DFC
Townsend
Corres.file,Reg.III
Chron

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

Month of June, 1957 Docket No. DMEA 4047 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 139 N. Clark St. Chicago, Illinois
Contract Amount, $ 18,316.00 Government Participation: 75% Amount, $ 13,737.00

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:	1,376.00		7 100			
Drilling Rotary non-core		5,724.00	7,110.00			
Bulldozing	none	775.00	775.00			
Crosscutting						
Drifting						
Incidental Allowance	378.40	638.00	1,016.40			
(2) Labor and Supervision:						
Labor Sampling		717.00	717.00			
Supervision		1,100.00	1,100.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers		6.00	6.00			
(4) Operating Equipment:						
Rental		140.00	140.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
~~Sampling and~~ Analysis	10.50	100.00	110.50			
Payroll Taxes						
Liability Insurance						
Radiometric logging		444.00	444.00			
Accounting		84.00	84.00			
(8) Contingencies (specify):						
Totals	1,764.90	9,728.00	11,502.90 11,492.90	1,764.90	9,728.00	11,502.90 11,492.90 corr

RECEIVED JUL 15 1957 DMEA

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

Date June 20, 1957 *Payee Charles M. Coleman & Associates

Per [signature] Title Attorney in Fact.

*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:

$1323.67

Signature [signature]
(Authorized Certifying Officer)

Date 7/10/57 Voucher No. DMA 58-4

(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. DMA E 943 in accordance with the terms of the contract.

Signature E O Bryson (#1383.67) Title Mining Engineer Date July 2 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W H King Title Executive Officer Date JUL 9 1957

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

(Stage 111 Completed)

Month of June 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street Chicago, Illinois

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~~ non-core	1 ft	1,376.00	1720	3,696.00	4620	80¢		
Churn								
Auger								
~~Sampling~~ Chem. Assays	1 spl	10.50	3	3.50	3	3.50		
Trenching								
Test Pits								
Roads and Trails								
Incidental Allow.	1 ft	378.40	1720	1,016.40	4620	22¢		
TOTAL DISTRIBUTED COSTS		1,764.90		4,715.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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 June 20, 1957 Operator Charles M. Coleman & Assoc

Per Albert Gilling Title Attorney in Fact.

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)

REMARKS: Above accounting is total for month of June and completed Stage 111 drilling

(For Government use only)

E. Bunyon

RECEIVED JUL 15 1957 DMEA

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

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

(Stage 1 Completed)

Month of June 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

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
Stage 1								
(Trenching) Bulldozing	Hr.			775.00	62	12.50	92	13.00
~~Drifting~~ ~~Crosscutting~~ ~~Drilling~~	Ft.			1372.00	1960	0.70	1960	1.00
~~Raising~~ ~~Shafts~~ ~~Supv. Geolog.~~	Mo.			600.00	1	600.00	1	600.00 plus *$175/hr over-time
~~Sampler~~	Hr.			392.00				
~~Mapping~~ ~~Drilling~~ ~~Containers~~	Lot			3.00	Lot	3.00	Lot	3.00
~~Drilling~~ ~~Core~~ ~~Rental~~ Truck	Mi.			70.00	700	0.10	700	0.10
Radio Churn metric ~~Auger~~ logging	Ft.			196.00	1960	0.10	1960	0.10
~~Stripping~~ ~~Payroll~~ ~~taxes~~								
~~Trenching~~ ~~& Ins.~~				0.00	0	0.00	5%	of Payroll
~~Test Pits~~ ~~Accounting~~ ~~Job~~				42.00	Job	42.00	1	42.00
~~Roads and Trails~~								
~~Chemical~~ ~~Analysis~~	Spl			84.00	24	3.50	100	5.00
Total Distributed Costs				3534.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 June 20, 1957 Operator Charles M. Coleman and Associates

Per Robert W. Selling Title Attorney in Fact.

Remarks: *$1.75 per hour plus time and one-half rate over 40 hours per week (maximum for Stage 1 is $392.00)

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)

E. O. Bunyon

(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

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

(Stage 11 Completed)

Month of June 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

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
Stage 11								
Drifting Bulldozing	Hr.	0.00	0	0.00	0	0.00	90	13.00
Crosscutting Drilling	Ft.	2032.00	2480	2032.00	2480	.010	2500	1.00
Raising Geologist	Mo.	600.00	5/6	600.00	5/6	600.00	5/6	600.00
Shafts Sampler	Hr.	325.00	*	325.00	*	**	**	**See below
Winzes Containers	Lot	3.00	Lot	3.00	Lot	3.00	Lot	3.00
Drilling Core Truck Rental	Mi.	70.00	700	70.00	700	0.10	700	0.10
Radiometric logging	Ft.	248.00	2480	248.00	2480	0.10	2500	0.10
Payroll Taxes & Ins		0.00	0	0.00	0	0.00	5%	of Payroll
Trenching Accounting	Job	42.00	Job	42.00	1	42.00	1	42.00
Test Pits								
Roads and Trails								
Chemical Analysis	per Spl	16.00	4	16.00	4	4.00	100	5.00
Total Distributed Costs		3236.00		3236.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 June 20, 1957 Operator Charles M. Coleman and Associates

Per [signature] Title Attorney in Fact

Remarks: * 90 hours @ $1.75 plus 75 hours time over 40 hours per week @ 2.625

** $1.75 per hour plus time and one-half rate over 40 hours per week (maximum $325.00 for Stage 11)

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)

E O Bunyon

RECEIVED JUL 15 1957 D.M.E.A.

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

224 New Customhouse
Denver 2, Colorado

July 9, 1957

FINAL DISTRIBUTION
MADE JUL 12 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1957

DATE	INITIALS	CODE
7/15	C	220
7/15	Com	100
		800

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-4047 (Uranium) Contract Idm-2943
Charles M. Coleman and Associates (Clyde, Marsh and Longport groups of claims) Fremont County, Wyoming - Operator's Monthly Progress Report for the month of June, 1957

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 75 percent of the amount reported on Form MF-104 for June, 1957, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks

Date of Report----------June 20, 1957
Date Received in Field Office----------June 25, 1957
Date Received in Region Office----------July 2, 1957

Original signed by
W. H. KING

W. H. King

Enclosures
JDC:hmh
cc: Chmn. Op. Comm. (2)
DMEA, DFC
Harshman, w/copy of Engr's report
MF-104 file, Reg. III
Chron.

DMEA

DEPARTMENT OF THE INTERIOR

REGION III

JUL 2 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
July 8, 1957

FILE COPY
DMEA
RECEIVED JUL 15 1957

DATE	INITIALS	CODE

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. O. Binyon

Subject: Docket DMEA 4047 (Uranium) Contract Ldm-E943, Charles M. Coleman and Associates, (Clyde, Marsh and Longport claims group) Fremont County, Wyoming -- Progress report for June 1957

An inspection of the drilling included in the subject report was made June 18, 1957. No one was at the property at the time of the inspection.

Eight holes or a total of 1720 feet were drilled during the period. Three of the eight which are designated M-11a, M-11b and M-11c were drilled as offset to hole M-11 on the common side line between the Marsh 1 and 2 claims. The holes were drilled to a depth of 40 feet or a total footage of 120 feet. The remaining 5 holes which are on the Longport No. 3, No. 4, and No. 5 claims were drilled to a total aggregate depth of 1600 feet.

The location and depths of all holes were checked and found to be as reported. A check with a geiger counter was made of the cuttings and, except for hole No. 9, the readings were only slightly above background. The readings for depths 220-224 in hole 9 showed approximately .10 percent eU_3O_8. For holes 11b and 11c at depths 29-30 feet and 8-10 feet respectively the counter readings showed mineralization of about .4 and .08 percent eU_3O_8. The radiometric results for the oxidized zone however are considerably higher (as much as 10 times), than the chemical assays.

A check of the MF-104 and MF-104A forms disclosed two arithmetical errors. On the MF-104A for Stage II completed the charge for Geologist is given as $600.00 while the correct amount (5/6 x 600) should be $500.00. The Total Distributed Costs amounts are correct. The other error of $10.00 is in the total under Totals to Date, the correct total should be $11,492.90. This is an error in the addition of drilling cost which should be $7100.00 instead of the $7110.00 shown.

The work was done in conformance with the terms of the contract and the expenditures are properly documented, therefore, it is recommended that the operator be paid $1323.67 or 75 percent of the total amount $1764.90 claimed.

E. O. Bunyon
E. O. Bunyon
Mining Engineer

EOB/mr
cc: 6
16m-8943
chron

DMEA June 17, 1957

DEPARTMENT OF THE INTERIOR

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DATE	INITIALS	CODE

JUN 24 1957
REGION III
DENVER, COLORADO

Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Progress Report for Period Ending June 15, 1957

Drilling under Stage 111, Amendment No. 3 of the above named contract was completed on Friday, June 7. Thirteen (13) rotary non-core drill holes, totaling 4,500 feet were drilled to the required depths on the Longport claim group. The location of these holes is shown on the accompanying map of the Longport claims. Three (3) rotary non-core drill holes, totaling 120 feet were drilled on the March claim group in the locations required by the DMEA contract amendment 3, Stage 111.

Drilling on the Marsh claim group consisted of three offset holes to M-11. The north affect (M-11a) shows mineralization from 30 feet to 34 feet. Hole M-11b, the southeast offset, probed ore grade material from 28 feet to 30 feet. Hole M-11c, the southwest offset, contained significant mineralization at 9 feet to 10 feet and at 28 feet. Chemical assays are included with this report. No provisions are made in Stage 1V of the above named contract for continued drilling on the Marsh claim group.

Stage 111 drilling on the Longport claim located the upper-lower Windriver formation at the approximate depths assumed by the writer in the request for additional drilling on the Longport claims dated January 15, 1957. The drilling showed mineralization in holes No. 3, 6, 9, 11, 12 and 13. Hole No. 9 probed 0.44% U_3O_8 at a depth of 220 feet. This mineralization along with the above listed mineralized holes is probably sufficient encouragement to justify Stage 1V offset drilling to some of the Stage 111 drill holes.

All drill holes were logged lithologically and probed for radioactivity. Also, all samples collected were tested at two foot intervals by a model 111B scintillator. These readings and background readings are given on each of the enclosed drill logs. A real-mounted mode 610 Babbel Counter was used to probe all drill holes. Meter readings of the Babbel Counter are taken as direct 4th scale readings. A gamma-resistivety-self potential log of hole #6 is included for comparison with the Babbel Counter. This log is through the courtesy of Century Geophysical Corporation of Tulsa, Oklahoma. The hole was probed only to the mineralized zone as shown by the Babbel Counter. The mineralized intercept from 280 feet to 285 feet checks favorably with the radiometric-lithology log sent by the writer in his report for the period ending May 31, 1957.

Forms MF-104 for June, 1957 and the Mf-104A forms for the completed Stages 1, 11 and 111 are attached and made part of this Progress Report through Stage 111. Drill Contractor statement is included showing a total footage drilled in June of 1720 feet @ 80¢ per foot or $1,376.00.

Hole No.	Claim Name and No.	Authorized Depth	Depth Completed
7	Longport No. 3	300'	300'
8	Longport No. 3	300'	300'
9	Longport No. 3	300'	300'
10	Longport No. 4	400'	400'
13	Longport No. 5	300'	300'
M-11a	Marsh Nos. 4 & 5	40'	40'
M-11b	Marsh No. 5	40'	40'
M-11c	Marsh No. 4	40'	40'

Total Authorized 1,720 feet

Respectfully submitted,

Robert Ford

RBF:hlm
CC: Albert W. Dilling
Enclosures
Claim map showing drill holes
Drill hole logs
Chemical Assays
Drill Contractor statement
Forms MF-104 and MF-104A

STATEMENT

Terms

Ho!	#	6 -	300				
	#	7 -	300				
	#	8 -	300				
	#	9 -	300				
	#	10 -	300				
	#	MIB -	40				
	#	MIB -	40				
	#	MIB -	40				
Total			1800				
			1800				
			40				

Riverton uranium

10/5-7

Marsh group,
M-11-C, 8-13

Marsh group
M-11-B, 28-30

Marsh group less than 0.01
M-11-B, 30-32

CENTRAL FILE COPY
DMEA
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DATE | INITIALS | CODE

John F. Schneider

4.00 12.00

12.00

Form MF-101 (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

Month of May, 1957 Docket No. DMEA 4047 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 139 N. Clark Street, Chicago, Illinois
Contract Amount, $18,316.00 Government Participation: 75 % Amount, $13,737.00

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 Rotary non-core	2320.00	3404.00	5724.00			
Bulldozing	none	775.00	775.00			
Crosscutting						
Drifting						
Incidental Allowance	683.00	-00-	683.00			
(2) Labor and Supervision:						
Labor Sampling		717.00	717.00			
Supervision		1100.00	1100.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers		6.00	6.00			
(4) Operating Equipment:						
Rental		140.00	140.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
~~[illegible]~~ Analysis		100.00	100.00			
Payroll Taxes						
Liability Insurance						
Radiometric logging		444.00	444.00			
Accounting		84.00	84.00			
(8) Contingencies (specify):						
TOTALS	$3003.00	$6770.00	$9773.00	2,958.00	6,770.00	9,728.00

RECEIVED JUL 1 1957 DMEA

DMEA
DEPARTMENT OF THE INTERIOR
JUN 7 - 1957
REGION III
DENVER, COLORADO

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

Date June 5, 1957 *Payee Charles M. Coleman and Associates

Per Albert H. Dillig Title Attorney-in-fact

*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:

$2618.50

Signature [illegible]
(Authorized Certifying Officer)

Date 6/25/57 Vou. No. DMA 57-139

(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. DME 943 in accordance with the terms of the contract.

Signature E. O. Mayor (2218.50) Title Mining Engineer Date June 20, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. R. Kenny Title Executive Officer Date JUN 21 1957

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

Month of May 1957 Docket No. DMEA 4047 Contract No. Idm-E 943

Operator's Name Charles M. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract	
							Units	Unit Costs
Stage III								
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Diamond-core	1 ft.	2320.00	2900	2,320.00	2900			
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Incidental Allowance	1 ft.	683.00	2900	683.00	2900			
Total Distributed Costs		$3003.00		3,003.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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: Above accounting is total to date on Stage III under Amendment No. 3.

Date June 5, 1957 Operator Charles M. Coleman & Associates

Per Albert W. Gilling Title Attorney-in-fact.

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)

E. J. Bunyon

(For Government use only)

RECEIVED JUL 1 1957 D.M.E.A.

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

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
(Stage I Completed)

Through
Month of May 1957 Docket No. DMEA 4047 Contract No. Idm-E 943
Operator's Name Charles M. Coleman and Associates Minerals Uranium
Address 130 N. Clark Street, Chicago, Illinois

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
Stage I								
(Trenching) Bulldozing	Hr			775.00	62	12.50	92	13.00
Drilling	Ft.			1372.00	1960	0.70	1960	1.00
Supv. Geologist	Mo.			600.00	1	600.00	1	600.00
Samplor	Hr.			392.00				*1.75/hr plus over-time
Shp. Containers	Lot			3.00	Lot	3.00	Lot	3.00
Truck Rental	Mi.			70.00	700	0.10	700	0.10
Radiometrics logging	Ft.			196.00	1960	0.10	1960	0.10
Payroll taxes Trenching & Ins.				0.00	0	0.00	5% of Payroll	
Accounting	Job			42.00	Job	42.00	1	42.00
Chemical Analysis	Spl.			84.00	24	3.50	100	5.00
Total Distributed Costs				3534.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 June 5, 1957. Operator Charles M. Coleman and Associates
Per Albert W. Dilling Title Attorney-in-fact.

Remarks: *$1.75 per hour plus time and one-half rate over 40 hours per week (maximum for Stage I is $392.00)

→ 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)

E. Benson

(For Government use only)

RECEIVED JUL 1 1957 DMEA

DMEA
DEPARTMENT OF THE INTERIOR
JUN 7 - 1957
REGION III
DENVER, COLORADO

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

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

(Stage II Completed)

Month of May 1957 Docket No. DMEA 4047 Contract No. Idm-E 949

Operator's Name Charles H. Coleman and Associates Minerals Uranium

Address 139 N. Clark Street, Chicago, Illinois

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
Stage II								
~~Bulldozing~~	Hr.	0.00	0	0.00	0	0.00	22	18.00
~~Drilling~~	Ft.	2032.00	2480	2032.00	2480	.819	2500	1.00
~~Supv. Geologist~~	Mo.	500.00	5/6	500.00	5/6	600.00	5/0	600.00
~~Sampler~~	Hr.	325.00	*	325.00	*	**	**	**See below
~~Sample Containers~~	Lot	3.00	Lot	3.00	Lot	3.00	Lot	3.00
~~Truck Rental~~	Mi.	70.00	700	70.00	700	0.10	700	0.10
~~Radiometric Events~~								
~~Logging~~	Ft.	248.00	2480	248.00	2480	0.10	2500	0.10
~~Payroll Taxes and Ins.~~		0.00	0	0.00	0	0.00	5%	of Payroll
~~Accounting~~	Job	42.00	Job	42.00	1	42.00	1	42.00
Test Pits								
Roads and Trails	Per							
~~Chemical Analysis~~	Spl	16.00	4	16.00	4	4.00	100	5.00
TOTAL DISTRIBUTED COSTS		3236.00		3236.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 June 5, 1957 Operator Charles H. Coleman and Associates

Per Albert H. Killing Title Attorney-in-fact

REMARKS: * 00 hours @ $1.75 plus 75 hours time over 40 hours per week @ 2.625

** $1.75 per hour plus time & one half rate over 40 hours per week (maximum $325.00 for Stage II)

→ 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)

E. Bumpy

(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

STATEMENT

[redacted] To

Terms

DMEA
DEPARTMENT OF THE INTERIOR
JUN 7 - 1957
REGION III
DENVER, COLORADO

FINAL DISTRIBUTION

MADE JUN 27 1957

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Charles M. Coleman & Associates
139 N. Clark Street
Chicago 2, Illinois

Date: June 25, 1957
Payee's Reference: May 1957

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 3,003.00

Difference $ 65.00

Amount Approved $ 2,938.00

The reason for the difference was due to:

Disallowance:

Claimed Incidental allowance for 2900 ft at a total cost of - $663.00

Acceptable cost, 2900 ft @ .22 per ft.- $638.00

Amount to be disallowed $ 25.00

Reinstate: $40.00 which was withheld from the October 1956 voucher.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

OFFICIAL FILE COPY
BMEA
RECEIVED JUL 1 1957

DATE	INITIALS	CODE
7/2	C com	220
		100
		800

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado

June 21, 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-4047, (Uranium) Contract Idm-2943, Charles M. Coleman and Associates (Clyde, March and Longport claims), Fremont County, Wyoming - Operator's Monthly Progress Report for the month of May, 1957

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

Except as otherwise indicated below, we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Due to an arithmetical error, the Operator has reported excess cost under "Incidental Allowance" for the reported 2900 feet of drilling. The excess cost is to be disallowed as follows.

<u>Disallowance</u>

Amount reported, Incidental Allowance for 2900 feet at total cost of ----------	$ 683.00
Acceptable cost, 2900 feet at $0.22 per foot---------	638.00
Amount to be disallowed----------	$ 45.00

<u>Reinstate</u> the amount of $400.00, which was withheld from the October 1956, voucher.

Reconciliation with Amount Reported by the Operator on Form MF-104 for May, 1957

Amount Reported on Form MF-104 for May, 1957	$3,003.00
Amount to be disallowed	45.00
Total accepted cost for May, 1957	$2,958.00
Government Participation at 75 percent	$2,218.50
Amount to be reinstated	400.00
Balance due the Operator	$2,618.50

Note: The engineer's report recommends withholding an amount of $400.00 pending performance of additional work. It has now been determined that the balance of Stage III work has been completed, therefore any necessary amount can be withheld from the next or any subsequent voucher submitted by the Operator.

Remarks:

Date of Report	June 5, 1957
Date Received in Field Office	June 10, 1957
Date Received in Region Office	June 21, 1957

Original signed by
W. H. KING

W. H. King

Enclosures

JDC:hmh
cc: Comm. Op. Comm. (2)
ISHA, BPC
Harshman } w/copy of Engr's
Townsend } report
MF-104 file, Reg. III
Chron.

DMEA
EPARTMENT OF THE INTERIOR

JUN 21 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
June 20, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 1 1957
DATE

REGION III

Memorandum

To: Executive Officer, DMEA field Team, Region III

From: E. O. Binyon

Subject: Docket DMEA 4047 (Uranium) Contract Idm-E943, Charles M. Coleman and Associates, (Clyde, Marsh and Longport claim groups) Fremont County, Wyoming--Progress report for May, 1957.

An inspection of the drilling completed was made June 18, 1957. There was no one at the property when the inspection was made, however, the work of the project was discussed with Robert Ford, geologist for the operator.

The eight holes - Hole Nos. 1, 2, 3, 4, 5, 6, 11, and 12 were checked and found to be drilled to the depths reported, a total aggregate footage of 2,900 feet. Hole No. 5 on the Longport No. 2 claim was drilled to 420 feet but only 400 feet is claimed for payment. All holes with the exception of Hole Nos. 6 and 12 are located as shown on the operator's map. Hole No. 6 and 12 are 150 feet from the south end lines of the Longport 2 and 4 claims and one incorrectly shown on the map. The distance from the claim boundaries is within the terms of the contract.

A check with a geiger counter of the cuttings from the holes indicated some mineralization of ore (.10%) or near ore grade in holes 3, 11, and 12, the count being lower than the reported probe results. It might be stated that the counter readings of the cuttings is unreliable. Readings slightly above background were obtained of cuttings from holes 2 and 6. From the probe results ore grade material was found in 3 holes. The grade ranging from .107 percent eU_3O_8 in Hole 11 over a thickness of 1.5 feet to 1/2 foot of .185 percent eU_3O_8 in Hole 3. Hole 12 had 3 feet of .111 percent material. The depths at which the ore was encountered are; 251.5-252 in Hole 3, 301.5-303 in Hole 11 and 306.5-309.5 in Hole 12.

The MF-104 and MF-104A were checked and are found to be in error in the Amount Claimed for Incidental Allowances. The operator has claimed $683.00 or $45.00 more than the correct amount of $638.00 ($.22 x 2,900 feet). The correct totals under "Monthly Total" on the MF-104 and "Cost this Month" on the MF-104A should be $2,958.00 and the total expenditures under "Totals to Date" and "Costs to Date" should be $9,728.00.

This error was mentioned to Mr. Ford and he stated he had informed the Denver office of the mistake.

Documentation of the drilling cost are included with the report and it is recommended that the operator be paid $2,218.50 or 75 percent of the corrected total expenditures of $2,958.00. It is further recommended that $400.00 be withheld pending completion of the project and receipt of a final report.

E. O. Bunyan
E. O. Bunyan
Mining Engineer

EOB:jg
Enclosure

cc: 6
Ida-Ely-3
Chron.

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

BL6-3468

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 2 1957
DATE

June 3, 1957

Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Progress Report for Period Ending May 31, 1957

Drilling under Amendment No. 3 of the above named contract, Stage III started on Monday, May 20, 1957. Of the sixteen (16) DMEA authorized holes consisting of 4,620 feet, eight (8) holes totaling 2,900 feet, were drilled during the month of May. Drill hole logs, both lithologic and radiometric, and location of the eight (8) holes completed are included in this Progress Report. To date there has been no chemical analyses returned from the assayor.

The drilling was performed with the standard truck-mounted rotary drill using both air and water as a circulating medium in all holes. Samples were taken with a Duclone-type dust collector when drilling with air, and collected in a mud box when drilling with water. Difficulty was encountered in keeping holes numbered 4, 5, and 6 open for radiometric probing. After sufficient washing holes 4 and 6 were kept open but #5 was probed through the drill stem from 296 feet to 400 feet.

All drill holes were logged lithologically and probed for radioactivity with a model 610 Babbel Counter, using a reel-mounted probe. Meter readings of the Babbel Counter are taken as direct 4th scale readings. Correct interpretation has been given the readings and in the writers opinion the R. M. Log readings are the true equivalent percent uranium. Samples taken at 2'

increments were checked for radioactivity with a model 111B scintilator and collected for government inspection.

Mineralization was encountered in all holes. Significant mineralization was found in holes number 3, 6, 11, and 12. The relationship of this mineralization to favorable stratigraphic horizons, structures, and facies changes will be shown when a report is given on the completed Stage III drilling.

The following is a tabulation of the drilling as authorized and completed. Forms MF-104 and MF-104A for April and May are attached for payment and made part of this Progress Report for May, 1957. Drill contractor statement is included showing a total footage drilled of 2,900 feet @ .80¢ per foot or $2,320.00.

Hole No.	Claim Name and No.	Authorized Depth	Depth Completed
1	Longport No. 1	300'	300'
2	Longport No. 1	300'	300'
3	Longport No. 1	300'	300'
4	Longport No. 2	400'	400'
5	Longport No. 2	400'	420'
6	Longport No. 2	400'	400'
11	Longport No. 4	400'	400'
12	Longport No. 4	400'	400'

Total Authorized 2,900 feet

Respectfully submitted,

Robert Ford

RRF:cjb
CC: Albert W. Dilling
Enclosures
Claim map showing drill holes
Drill hole logs
Drill Contractor statement
Forms MF-104 and MF-104A

Form MF-10a (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

Month of October, 1956 Docket No. DMEA 4047 Contract No. Idm-E943
Operator's Name Charles M. Coleman & Associates Minerals Uranium
Address 139 North Clark St., Chicago, Illinois.
Contract Amount, $ 9,492.00 Government Participation: 75 % Amount, $ 7,119.00

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 Contractors:						
Drilling	2032.00	1372.00	3404.00			
Bulldozing (Trenching)	None	775.00	775.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	500.00	600.00	1100.00			
Technical Services Sampler	325.00	392.00	717.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers	3.00	3.00	6.00			
(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						
Chemical Analysis	16.00	84.00	100.00			
Payroll Taxes	0.00	0.00	0.00			
Liability Insurance						
Radiometric Logging	248.00	196.00	444.00			
Accounting	42.00	42.00	84.00			
(8) Contingencies (specify):						
TOTALS	3236.00	3534.00	6770.00	3236.00	3534.00	6770.00

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

See supporting schedule for payment of Jan. 1957, for $323.60.

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

Date November 14, 1956 Payee Charles M. Coleman and Associates.

Per Albert W. Selling Title Attorney-in-fact.

*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:

$ ~~2327.60~~ 2003.40 see attached letter

Signature
(Authorized Certifying Officer)

Date 12/20/56 Vou. No. 2DNe 57-70

(See other side)

Note: Withhold 400.00

(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. Tdm E 943 in accordance with the terms of the contract.

Signature E. Johnson (#2427.00) Title Mining Engineer Date Nov. 20, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Jones Title Executive Officer Date DEC 6 1956

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 104A
(April 1952)

Budget Bureau No. 42-R1051.2

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

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

Month of October 1956 Docket No. DMEA 4047 Contract No. IDM-E943
Operator's Name Charles M. Coleman & Associates Minerals Uranium
Address 139 North Clark Street, Chicago, Ill.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
STAGE II							Units	Unit Costs
Bulldozing	Hr.	0.00	0	0.00	0	0.00	22	13.00
Drilling	Ft.	2032.00	2480	2032.00	2480	.819	2500	1.00
Superv. Geologist	Mo.	500.00	5/6	500.00	5/6	600.00	5/6	600.00
Sampler	Hr.	325.00	*	325.00	*	**	**	**See below
Sample Containers	Lot	3.00	Lot	3.00	Lot	3.00	Lot	3.00
Truck Rental	Mi.	70.00	700	70.00	700	0.10	700	0.10
Radiometric Logging	Ft.	248.00	2480	248.00	2480	0.10	2500	0.10
P. R. Taxes & Ins.		0.00	0	0.00	0	0.00	5% of Payroll.	
Accounting	Job	42.00	Job	42.00	1	42.00	1	42.00
Roads and Trails								
Chem. Analysis	per Spl.	16.00	4	16.00	4	4.00	100	5.00
TOTAL DISTRIBUTED COSTS		$3236.00		$3236.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 November 14, 1956 Operator Charles M. Coleman & Associates.

Per [signature] Title Attorney-in-Fact.

REMARKS: *90 Hours @ 1.75, plus 75 hours time over 40 hours per week @ 2.625.

** $1.75 per hour plus time and one-half rate over 40 hours per week (Maximum amt. $325.00 for stage II)

→ 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)

G O Benson

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

Form F-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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

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

Month of Through May 195 6 (Stage I completed) Docket No. DMEA 4047 Contract No. Idm-E943

Operator's Name Charles M. Coleman & Associates, Minerals Uranium

Address 139 N. Clark Street, Chicago 2, Illinois.

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
Stage I								
(Trenching)								
XXXXXBulldozing	Hr.			775.00	62	12.50	92	13.00
XXXXXXXX Drilling	Ft.			1372.00	1960	0.70	1960	1.00
Superv. Geologist	Mo.			600.00	1	600.00	1	600.00
XXXX Sampler	Hr.			392.00			* 1.75/hr. plus over time	
XXXXSample Cont.	Lot			3.00	Lot	3.00	Lot	3.00
XXXXXXXX Truck)								
XXXXRental)	Mi.			70.00	700	0.10	700	0.10
RADIOMETRIC)								
XXXX Logging)	Ft.			196.00	1960	0.10	1960	0.10
XXXXXPayroll)								
XXXXX Taxes & Ins)				0.00	0	0.00	5% of Payroll	
XXXXXXXXXXcc'ting	Job.			42.00	Job	42.00	1	42.00
Chem. Analysis	Spl.			84.00	24	3.50	100	5.00
Total Distributed Costs				3534.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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 November 14, 1956 Operator Charles M. Coleman and Associates.

Per [signature] Title Attorney-in-fact.

Remarks: * $1.75 per hour plus time & one-half rate over 40 hours per week. (Maximum for stage I is $392.00)

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)

W O Benyon

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

FINAL DISTRIBUTION
MADE DEC 21 1956

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Charles H. Coleman & Associates
139 N. Clark Street
Chicago 2, Illinois

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

Date: December 20, 1956
Payee's
Reference: October 1956

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 3,236.00

Difference $

Amount Approved $ 3,236.00

The reason for the difference was due to:

Maintenance: The amount of $300.00 which was withheld from the May 1956 Voucher.

Withheld: The amount of $400.00 pending resolution of matters relative to closing the account.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

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

224 New Customhouse
Denver 2, Colorado

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

December 6, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4047 (Uranium) Contract Idm-E943, Charles M. Coleman and Associates (Clyde, Marsh and Longport groups) Fremont County, Wyoming. Operator's Monthly Progress Report for the month of October, 1956 (FINAL)

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 75 percent of the amount reported on Form MF-104 for October, 1956, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Reinstate the amount of $300.00 which was withheld from the May, 1956 voucher.

Withhold an amount of $400.00 pending resolution of matters relative to closing the account. The contract work has been completed.

Reconciliation with the amount Reported by the Operator on Form MF-104 for October, 1956

Amount reported on Form MF-104 for Oct., 1956 - - -		$3,236.00
Government participation at 75 percent - - - - - - - - -		2,427.00
Amount to be withheld - - - - - -	$400.00	
Amount to be reinstated - - - - -	300.00	
Net deduction		100.00
Recommended payment to Operator		$2,327.00

Note: Work approval of August 22, 1956 included four offset holes to be drilled 100 feet north, east, south and west from Hole M-3. The four holes were actually drilled northeast, northwest, southeast and southwest from Hole M-3. The variation is acceptable to the Government as the holes accomplished the objectives satisfactorily.

Attached is a copy of a memorandum dated November 30, 1956 from John F. Shaw and E. N. Harshman which confirms the acceptability of the holes.

Remarks

Date of Report- - - - - - - - - - - - - November 14, 1956
Date Received in Field Office - - - November 16, 1956
Date Received in Region Office - - November 27, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E943
Chm. Op. Comm. (2)
Shaw (2)
Harshman)
Townsend) w/copy of engr's report
Chron.

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

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

November 30, 1956

DMEA
DEPARTMENT OF THE INTERIOR
DEC 3 1956
REGION III
DENVER, COLORADO

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw
E. N. Harshman

Subject: DMEA Docket 4047 (Uranium), Contract Idm-E 943, Charles M. Coleman and Others (Clyde, Marsh, and Longport claim groups), Fremont County, Wyoming

In a letter dated August 22, 1956, you gave the subject operator approval to perform certain work under Stage II of contract Idm-E 943 which included four offset holes respectively 100 feet north, south, east, and west of hole M-3.

The operator's MF-104 report for October 1956 indicates that the holes were drilled 100 feet northeast, northwest, southeast, and southwest of hole M-3.

Since there are no known ore trends in the area of hole M-3, we believe that the direction of offsetting is not important and that the holes as drilled accomplished the objectives fully as well as would have holes at the positions recommended in your letter.

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

John F. Shaw
John F. Shaw
Supervising Mining Engineer

E. N. Harshman
E. N. Harshman
Member, Field Team

ENHarshman:mp

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
November 27, 1956

Memorandum

DMEA
DEPARTMENT OF THE INTERIOR
NOV 27 1956
REGION III
DENVER, COLORADO

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea
Supervising Mining Engineer

From: E. O. Binyon

Subject: Docket DMEA 4047 (Uranium) Contract Idm-2943, Charles M. Solomon and associates (Clyde, Marsh, and Longpert Claim Groups) Fremont County, Wyoming. --Progress report for October, 1956.

Two inspection trips were made to the property; one on October 4 and the other on November 5, 1956.

The holes numbered M-101 through M-110, as reported, were drilled to an aggregate total depth of 2,480 feet; holes numbered M-101 through M-104 each being 200 feet and the remaining 6 holes being 280 feet in depth. One hole, M-9, was lost at 140 feet and a new hole had to be drilled. As shown on the map accompanying the operator's reports, the location of the holes is approximately as designated by Amendment No. 1.

A check of the cuttings from holes M-101 through M-104 and M-106 through M-110 gave readings of background or at best only slightly above. The cuttings from hole 105 gave a slightly higher reading but did not approach ore-grade material.

A check of the MF-104 and MF-104A shows them to be in order, however, the operator has included two MF-104A forms. Mr. John Kepster stated that he had been instructed to submit one form for stage I and one for stage II.

All expenditures are properly documented and it is recommended that the operator be paid $2,427.00 or 75 percent of $3,236.00 the total expenditures. It is further recommended that the $300.00 withheld pending action on stage II work continue to be withheld for a final report.

One copy of the geologist's report has been retained by this office.

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

E. O. Binyon
E. O. Binyon
Mining Engineer

EOB:sh
Enc.
cc: 6
Idm-2943 Chron

REPORT ON WORK ACCOMPLISHED UNDER STAGE II

Exploration Project Contract
Charles M. Coleman and Associates
Dooket No. DMEA - 4047

Marsh Claim Group

All drilling under Stage II of the above named DMEA contract was restricted to the Marsh claims 1 through 6 in sections 32 and 33, T. 33 N., R. 90 W., Gas Hills district, Fremont County, Wyoming. Previous to this, eighteen rotary non-core holes were drilled totaling ~~710~~ 1960 feet under DMEA contract Stage I. The attached map shows the location and depth of all holes completed under Stage I and Stage II.

Exploration Drilling

Stage II drill holes were drilled to the required depths and approximate locations as per the attached map. Drill hole locations were surveyed with plane table. Elevations were corrected to drill hole M-3 which had received an assumed elevation under the Stage I drilling of 6,582 feet.

Drilling under Stage II was started on October 2, 1956 and completed on October 10, 1956. The drilling was done with a Mayhew rotary drill. Dust samples were collected with a drilling medium of air, powered by a 600 c.f.m. air compressor. At depths averaging greater than 140 feet water was usually used as the drilling medium. Samples were then taken from the "mud box" by screen and shovel. All samples, air and water borne, were collected at two foot intervals.

Sampling and Drill Hole Probing

Samples were logged lithologically and checked for radioactivity with a La Roe Scintillation Counter, model FV-5V. Samples were collected and saved from each two foot interval, with duplicate samples taken for assay purposes from intervals that gave two or more times background count. It is always the case with continuous drilling that a lag in samples can be expected. Therefore, the highest radioactive samples do not always conform to the peak radioactivity as shown by the drill hole probe readings.

All holes were probed with a Model 610 Babbel Counter and deep hole probe. Readings as shown on the accompanying drill hole logs are in equivalent percent U_3O_8. The probe and counter have been calibrated and standardized on drill holes and ore barrels of known chemical uranium content and in ore similar to what would be expected to underlie the Marsh claim group. It is therefore believed that all drill hole probe readings reflect the true uranium content, especially in those unoxidized zones at or below the 120 to 140 foot deep water table.

Ore and Mineralization

General

The Stage I and Stage II drilling as well as drilling on adjacent property has indicated, in a general way, two zones of moderately continuous mineralization. These mineralized zones are contemporaneous with the common "blue clay" zones of medium grained sand and silt with a bentonitic montmorillonite type clay bonding that reflects a bluish

cast to the sediments. It is universal throughout the Gas Hills district that within such sediments the major portion of the producing uranium bodies lie.. Further, such sediments must be accompanied by a visible pyrite content or "pyritization" and disseminated carbon. The same sediments must also contain about a 50-50 ratio between the sand and clay phases of the sediments to allow for favorable permiability within the "blue clay" host rock.

From the above description, one can easily ascertain the genesis of uranium deposition. (1) The leaching and solution of uranium salts from arkosic sands or tuff beds. This need not be a single event phenomenon. (2) The traveling in solution of UO_2^{++} ions and forming compounds with $SO_4^{=}$ and silica. (3) Reduction of the UO_2SO_4 to black uranous compounds like uraninite or coffinite by the carbon bearing "blue clays." The end result is a mineralized or ore bearing "blue clay" with pyrite or FeS_2 formed from the reduced UO_2SO_4. The reduction is accomplished at or near the ground water table, preferably a fluctuating water table that may tend to concentrate the mineral in a supergene type or uranium enrichment. Ores in "blue clays" above the present water table reflect the perched type of water zone as well as the relative stability of uranium compounds once they have become associated with the montmorillonite type clays and carbon compounds.

In effect, then, the search for uranium ores is greatly encouraged by the following criteria:

A) Dark blue dusky clay with a medium grained quartz sand at a ratio of about 50-50. This "blue clay" should preferably be within an alternating series of medium to coarse grained sands and silts showing recementing by calcite and red to brown iron stains.

B) Pyritization. The occurrence of pyrite is important and often forms a halo of pyritization in and around the uranium mineralization because of the chemistry as above explained.

C) Uranium mineralization. This mineralization is often associated with thin "blue clay" layers at what is termed the "change of formation" contact. This mineralization is often 12 to 18 inches thick and reflects the above explained mode of supergene concentration on fluctuating or perched ground water tables. This type of "change of formation" mineralization is unimportant. However, with the advent of an undulating or irregular, porous "blue clay" horizon and pyritization, this low grade mineralization becomes important to the control of future drilling and projected trends of thickening "blue clay" ores.

The widespread association of visible or microscopic pyrite and the readily ascertainable uranium content of these sediments forgoes the necessity of testing for arsenic, molybdenum, or other trace elements which are proportionate to the uranium content.

Specific

The drill holes M-101 through M-110 were drilled as prescribed by the regional offices of DMEA and termed Stage II drilling. The accompanying map shows the location of both Stages I and II drill holes. The drill holes are also plotted on the accompanying CROSS SECTION MAP in a fashion to show the continuity and extent of the mineralized "blue clay."

The Stage II drilling confirmed the presence of two "blue clay" horizons. The horizons are shown best developed in cross sections A - A' and B - B'. The "blue clay" horizons are at depths approximating 100 and 200 feet deep. The cross sections show a gentle northeast dip of the sediments (5°) reflecting the Puddle Springs Anticline. In the CROSS SECTION MAP constructed the sedimentation is of such uniformity as to exclude the possibility of any faults of moderate size.

The upper "blue clay" zone is best developed in the northern portions of claims number 1 and 2. This horizon rapidly thins southward. The lower "blue clay" horizon thins southward and entirely disappears at cross section C - C', except for occasional mudballs in drill hole M-108. The cross sections also show the possible continuation and thickening of the lower "blue clay" zone to the northeast.

Calibrated probe readings indicate the following mineralized zones:

M-101	188' to 190'	.11% U_3O_8
M-102	189.5' to 190.5'	.14% "
M-103	173.5' to 174.5'	.06% "
M-104	174.5' to 180.5'	.08% "
M-105	201' to 206'	.18% "
M-106	191' to 192.5'	.08% "
M-109	214.5' to 217'	.11% "

Chemical assays from Uranium Center Laboratory on the indicated footages and drill hole numbers are attached to this report.

Before advancing recommendations for future work, the writer refers to the following hypothetical cases under the heading "Economic Considerations" as an instrument to better inform the reader on the validity and justification of the small amount of drilling recommended.

Economic Considerations

Average size ore bodies in the Gas Hills are difficult to define. A great many ore bodies of moderate size averaging 12,000 tons have been and are being mined. The following hypothetical case will clarify the practicability of continued drilling on the Marsh claim group.

Future drilling uncovers an ore body in the upper "blue clay" zone ten feet thick and averaging .20% U_3O_8. The total tonnage is about 12,000 tons and the depth 100 feet:

Expenditure	
Stripping cost (contract)	- $ 46,950
Ore loading (contract)	- 4,930
Engineering	- 2,200
Overhead (Supervisor, transportation, etc.)	- 7,500
Assay and control	- 500
Interest on capital expenditures	- 920
Total Cost	- $ 63,000.
Income	
12,000 tons .20% U_3O_8 @ $16.00	- $192,000
Production bonus, first 2500 tons @ $14.00	- 35,000
	- $227,000.
10% U_3O_8 dilution and mining loss	- -37,000
	- $190,000.
Royalty	- -19,000
State Tax, 3½%	- - 6,650
Mining Cost	- -63,000
Net Income*	- $101,350.

* Exclusive of corporate or income tax.

Future drilling uncovers a similar size ore body in the lowered "blue clay" zone, 12,000 tons and 200 feet deep:

Expenditure	
Stripping cost (contract)	- $131,460.
Ore loading cost (contract)	- 9,600
Engineering	- 4,750
Overhead (Supervisor, transportation, etc.)	- 17,500
Assay and control	- 500
Interest on capital expenditure	- 2,450
Total Cost	- $166,260.
Income	
12,000 tons .20% U_3O_8 @ $16.00	- $192,000
Production bonus, first 2500 tons @ $14.00	- 35,000
	$227,000.
10% U_3O_8 dilution and mining loss	- -37,000
	$190,000.
Royalty	- -19,000
State Tax	- [illegible],350
Mining Cost	-166,260
Deficit	- $ 1,910.

Thus it is shown that to double the stripping depth for an ore body, the mining cost increases (in this case) about three-fold.

The Marsh group of claims has had the lower "blue clay" horizon almost sufficiently tested to prevent there being an ore body of greatly larger areal extent than above referred to in the hypothetical case (190 by 100 feet).

The upper "blue clay" zone has been tested only in the same deep holes that penetrated the lower horizon. Only hole M-3 of the Stage I drilling was deep enough to even cut the upper "blue clay" horizon. However, because of the greater profit incentive, and the necessarily small areal extent of ore bearing material needed to be encouraging in the upper horizon, a greater amount of drilling is recommended.

Recommendations for Future Work

The CLAIM MAP shows a cross hatched area of the areal extent of the upper "blue clay" horizon which present drilling has indicated to be interesting. This area is of pyritic dusky "blue clay" five to ten feet thick. Drill holes M-101 through M-106 have already cut the horizon.

1. Deepen drill hole M-2 to 120 feet.
2. Drill one hole 120 feet deep between M-105 and M-106.
3. Drill one hole 120 feet deep 100 feet west of the 1/4 corner.
4. Drill two offset holes to M-11, 50 feet deep.

One hole should test the lower blue clay horizon offsetting the ore in drill hole M-105.

1. Deepen hole M-1 to 240 feet.

The drilling recommended totals 560 feet. The results of this recommended drilling will be conclusive enough to state whether there is any possibility of commercial ore deposits within the Marsh claim group to a depth of 240 feet.

Respectfully submitted,

Robert Ford

October 28, 1956

URANIUM CENTER LABORATORY

201 East Washington
Phone--543
Riverton, Wyoming

Chemical Analysis Report for:

Mr. Chas. M. Coleman & Associates.

Quantitative Analysis

Date 10/15/1956.

Laboratory No.	Sample No.		% U_3O_8	Selenium
3051-1	M-103,	92-98	0.02	
3051-2	M-104,	88-92	0.01	
3051-3	M-105,	216-218	0.029	
3051-4	M-109,	222-224	0.03	

Assayer--John K. Schneider
A.E.C. Umpire Analyst

No. Assays 4 at 4.00 each $16.00

Total Amount $16.00

Paid by John Kopuster

Elevation of Collar of Holes in Stage I and Stage II Drilling.

STAGE I

Brunton and cloth tape survey.

Collar of hole M-3 assumed to be 6582 feet.

Hole No.	Collar Elevation
M-1	6601
M-2	6600
M-3	6582
M-4	6594
M-5	6598
M-6	6618
M-7	6635
M-8	6625
M-9	6628
M-10	6608
M-11	6631
M-12	6633
M-13	6641
M-14	6656
M-15	6655
M-16	6618
M-17	
M-18	

STAGE II

Plane table survey.

Connected to hole M-3 with assumed elevation 6582 feet.

Hole No.	Collar Elevation
M-101	6577.2
M-102	6580.4
M-103	6586.8
M-104	6586.5
M-105	6594.5
M-106	6588.5
M-107	6588.9
M-108	6617.0
M-109	6609.9
M-110	6634.5

DRILL HOLE LOG

Hole No. M-101 Date Drilled October 3, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY
Babbel Counter			
Feet	Reading 4 Scale		
0 - 73	.00%		0' - 6' Surface
74 - 76	.02	No Samples	6' - 24' Ss., buff, med. gr., some peb. cong.
76.5	.03		24' - 72' Ss., lt. grey, coarse gr.
77'	.02		72' - 84' Mudstone, blue, fine gr., no visible pyrite.
77.5	.04		84' - 104' Ss., white, med. gr.
78	.03		104' - 140' Ss. and alternating thin mudstone seams of grey to blue, fine gr.
79	.02		
80 - 187	.00		
187.5	.01		140' - 172' Ss., white, blue mds. balls.
188	.06		172' - 194' Ss., white, coarse gr. water bearing.
188.5	.14		
189	.17		
189.5	.11		T.D. 200'
190	.06		
190.5	.02		
191 - 208	.00		

Hole No. M-102 Date Drilled October 2, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY
Babbel Counter			
Feet	Reading 4 Scale		
0 - 188	.00%	No Samples	0' - 6' Surface
189	.02		6' - 78' Ss., buff, coarse gr., cong. 18' to 24'
189.5	.03		78' - 88' Ss., grey to white, med. gr.
190	.11		88' - 92' Mudstone, blue, fine gr., no visible pyrite.
190.5	.17		92' - 108' Ss., white to grey, med. gr.
191	.03		108' - 114' Siltstone, grey to blue, fine gr.
192	.01		114' - 198' Ss., white to grey, coarse gr.
193	.00		
194-205	.00		T.D. 200'

DRILL HOLE LOG

Hole No. M-103 Date Drilled October 2, 1956

PROBE DATA

Babbel Counter

Feet	Reading 4 Scale
0 - 89	.00%
90	.01
91	.02
92	.03
93	.04
94	.03
95	.02
96	.00
97 - 170	.00
171	.01
172	.02
173	.04
173.5	.06
174	.06
174.5	.05
175	.03
176	.02
177	.01
178 - 184.7	.00

SAMPLE DATA

86' - 88'

LITHOLOGY

0' - 4' Surface
4' - 84' Ss., buff, med. to coarse gr.
84' - 86' Mudstone, blue
86' - 92' Ss., grey, med. gr. with blue mds.
92' - 98' Mudstone, blue, no visible pyrite.
98' - 190' Ss., white, med. to coarse gr., water bearing.
190' - 200' Ss., blue mds. balls.

T.D. 200'

DRILL HOLE LOG

Hole No. M-104 Date Drilled October 3, 1956

PROBE DATA Babbel Counter Feet	Reading 4 Scale
0 - 83	.00%
84 - 86	.01
86.5	.02
87	.03
87.5	.04
88	.06
88.5	.06
89	.05
89.5	.03
90	.01
91 - 175	.00
176	.01
177	.02
177.5	.03
178	.05
178.5	.07
179	.16
179.5	.09
180	.07
180.5	.06
181	.02
181 - 194	.00
195	.02
196 - 202.3	.00

SAMPLE DATA

88' - 92'

LITHOLOGY

0' - 4' Surface
4' - 10' Ss., br., coarse gr.
10' - 18' Ss., wh., cong.
18' - 36' Ss., wh. to grey, med. gr.
36' - 74' Ss., br., med. to fine gr.
74' - 88' Ss. and mds., br. to bl., med. gr.
88' - 92' Mds., blue, fine gr., no visible pyrite.
92' - 124' Ss., wh. to grey, med. gr.
124' - 192' Ss., wh., blue mds. ball-
192' - 200' Mds., blue, dense, med. gr.

T.D. 200'

DRILL HOLE LOG

Hole No. M-105

Date Drilled October 4, 1956

PROBE DATA

Babbel Counter

Feet	Reading 4 Scale
0 - 194	.00%
195	.02
196	.03
197	.03
198	.02
199	.02
200	.01
201	.04
201.5	.05
202	.09
202.5	.15
203	.28
203.5	.42
204	.37
204.5	.22
205	.14
205.5	.11
206	.05
207	.03
208	.03
209	.02
210	.01
241	.03
249	.02
255	.01
256 - 274.9	.00

SAMPLE DATA

216' - 218'

LITHOLOGY

0' - 6' Surface
6' - 34' Ss., grey to wh., med. gr.
34' - 38' Siltstone, br., fine gr.
38' - 46' Ss., wh., coarse gr., cong.
46' - 112' Ss., buff, med. gr.
112' - 124' Ss. and siltstone, grey.
124' - 136' Siltstone, blue, med. gr., no visible pyrite.
136' - 212' Ss. and siltstone, blue, with blue clay balls.
212' - 216' Ss., med. gr., blue clay layers.
216' - 234' Ss., coarse gr., blue clay mud balls.
234' - 280' Mudstone, blue, dense, some pyrite.

T.D. 280'

DRILL HOLE LOG

Hole No. M-106

Date Drilled October 5, 1956

PROBE DATA

Babbel Counter

Feet	Reading 4 Scale
0 - 94	.00%
95 - 96	.02
130 - 133	.02
187	.01
188	.02
189	.02
189.5	.03
190	.04
190.5	.03
191	.05
191.5	.09
192	.11
192.5	.06
193	.04
193.5	.04
194	.02
195	.01
196 - 274.8	.00

SAMPLE DATA

No Samples

LITHOLOGY

0' - 18' Ss., br., coarse gr., peb. cong.
18' - 24' Siltstone, buff, fine gr.
24' - 50' Ss., buff, med. gr.
50' - 56' Siltstone, grey to buff, med. gr.
56' - 130' Ss., white to grey, med. gr.
130' - 136' Siltstone, blue, med. gr., no visible pyrite.
136' - 194' Ss., grey to white, med. gr., calcite, water bearing.
194' - 202' Ss., grey to white, med. gr., calcite, water bearing, clay balls.
202' - 216' Ss. and silt, bluish sand and dusky blue clay, pyrite, purple shale cuttings probably contain selenium.
216' - 280' Clay, dusky blue, pyrite, dense, no porosity or ss. layers.

T.D. 280'

Hole No. M-107

Date Drilled October 5, 1956

PROBE DATA

Babbel Counter

Feet	Reading 4 Scale
0 - 113	.00%
114 - 117	.01
117 - 200	.00
201	.01
201.5	.02
202	.04
202.5	.05
203	.04
203.5	.03
204	.01
205 - 275.4	.00

SAMPLE DATA

No Samples

LITHOLOGY

0' - 4' Surface
4' - 10' Ss., buff, med. gr.
10' - 78' Ss., grey to buff, med. to coarse gr.
78' - 128' Ss., med. to coarse gr., white to grey.
128' - 218' Ss., white to grey, blue clay mud balls.
218' - 234' Siltstone, sandy blue clay, some pyrite.
234' - 280' Mudstone, blue dense fine gr., no pyrite.

T.D. 280'

DRILL HOLE LOG

Hole No. M-108 Date Drilled October 10, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY	
Babbel Counter				
Feet	Reading 4 Scale			
0 - 170.5	.00% - .02%	No Samples	0' - 4'	Surface
			4' - 36'	Ss., br., coarse to med. gr.
			36' - 60'	Ss., buff to grey, arkosic, coarse gr.
			60' - 96'	Ss., br., med. gr., silty.
			96' - 134'	Ss. and siltstone, med. gr., with occ. blue clay streaks.
			134' - 208'	Ss., blue to wh., coarse gr., calcite, water bearing.
			208' - 280'	Mudstone, blue, some sand, no visible pyrite.
			T.D. 280'	

REMARKS: Hole was probed to depth of 170.5 feet where caved. Sample recovery was complete and no samples were higher than .027 MR/HR background count with LaRoe FV-50 Scintillator.

Hole No. M-109 Date Drilled October 9, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY	
Babbel Counter				
Feet	Reading 4 Scale			
0 - 206	.00%	222' - 224'	0' - 8'	Surface
207	.01		8' - 18'	Ss., wh. to grey, med. gr.,
208	.02		18' - 32'	Ss., wh. to grey, peb. cong.
209	.03		32' - 90'	Ss., buff and grey, med. to coarse gr.
210 - 213	.00		90' - 94'	Mudstone, blue, no pyrite.
214	.02		94' - 124'	Siltstone, br. to grey, fine gr.
214.5	.04		124' - 136'	Ss., wh. to grey, coarse gr.
215	.05		136' - 140'	Siltstone, blue, med. gr.
215.5	.07		140' - 220'	Ss., blue to wh., med. gr., water bearing.
216	.22		220' - 280'	Ss., mds., alt., grey to blue.
216.5	.14			
217	.05			
217.5	.04			
218	.02			
219 - 276.8	.00			
			T.D. 280'	

DRILL HOLE LOG

Hole No. M-110

Date Drilled October 7, 1956

PROBE DATA

Babbel Counter

Feet	Reading 4 Scale
0 - 92	.00%
92 - 98	.02
98 - 230	.00
230 - 241	.01
241 - 278.1	.00

SAMPLE DATA

No Samples

LITHOLOGY

0' - 4'	Surface
4' - 18'	Ss., buff to br., coarse gr.
18' - 56'	Siltstone, br. to grey, fine gr.
56' - 96'	Ss., wh. to grey, med. gr.
96' - 100'	Mudstone, blue, no pyrite.
100' - 112'	Siltstone, blue, fine gr.
112' - 254'	Ss., wh. to blue, coarse gr., water bearing.
254' - 280'	Ss. with blue clay layers, no pyrite.

T.D. 280'

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

RECEIVED JAN 17 1957 DMEA

224 New Customhouse
Denver 2, Colorado

January 14, 1957

Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Dear Mr. Chambers:

In response to yours of January 8, 1957, I checked the listing of payments for Vulcan Silver-Lead Corporation as shown on the supporting schedule. The correct amount paid Vulcan was $10,467.37. Contract Idm-E797, Colamer Corporation, was erroneously reported on Form 1166, "Voucher and Schedule of Payments," No. 57-58, as Contract Idm-E984 and the difference, $1,584.36, should be credited to account Idm-E797, Colamer Corporation. Necessary corrections have been made on Division records, and Mrs. Stokes requests that you change the Washington records.

In the instance of Charles M. Coleman & Associates, Idm-E943, DMEA 4047, the correct amount on the schedule should be $2,327.00. The records show that this contractor was paid $2,003.40, as shown on the schedule. Mrs. Stokes advises that the difference will be picked up and paid in January.

Yours very truly,

T. H. Brading

T. H. Brading, DMEA Auditor

THB:bh

DMEA
Date Rec'd.

AUG 14 1956

BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
August 14, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Charles R. Garrett, Jr.

Subject: DMEA 4047 (Uranium) Contract Idm-E943, Charles M. Coleman and Associates, Fremont County, Wyoming -- Progress report for June and July 1956

There was no exploration work performed on this property under Contract Idm-E943 during June or July 1956. No official inspection was made on the property but the fact that no further exploration work had been performed since May 28, 1956 on which date stage I had been completed was confirmed by personal interview with the company's Riverton representative, John Kepuster.

Charles R. Garrett, Jr.
Charles R. Garrett, Jr.
Mining Engineer

CRG/mw
cc: 6
Idm-E943
Chron

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AUG 17 1956

Washington

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

Budget Bureau No. 42-R1036.5

RECEIVED
AUG 13 1956

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

Month of May, 1956 Docket No. DMEA 4047 Contract No. Idm-8943
Operator's Name Charles M. Coleman & Associates Minerals Uranium
Address 139 North Clark St., Chicago, Illinois.
Contract Amount, $ 9,492.00 Government Participation: 75 % Amount, $ 7,119.00

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 Contractors:						
Drilling	1372.00	None	1372.00			
Bulldozing	775.00	None	775.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	600.00	None	600.00			
Technical Services	392.00	None	392.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Sample Containers	3.00	None	3.00			
(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	84.00	None	84.00			
Payroll Taxes						
Liability Insurance						
Radiometric	196.00	None	196.00			
Logging	42.00	None	42.00			
Accounting						
(8) Contingencies (specify):						
TOTALS	3534.00	None	3534.00	3,534.00	—	3,534.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 14, 1956 *Payee Charles M. Coleman and Associates.
Per Charles M. Coleman Title Attorney-in-fact.

*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:

$2350.50

Signature [illegible]
(Authorized Certifying Officer)
Date 8/7/56 Vou. No. 57-16
(See other side)

Note: Withhold 300.00

(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-E943 in accordance with the terms of the contract.

Signature Charles R. Garrett Jr. Title Mining Eng. Date July 26, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Travis Title Executive Officer Date AUG 3 1956

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

RECEIVED
AUG 13 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1956 Docket No. DMEA 4047 Contract No. Idm-E943
Operator's Name Charles M. Coleman & Associates Minerals Uranium
Address 139 North Clark St., Chicago, Illinois.

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 Rotary	Foot	2421.50	** 1960	2421.50	1960	1.235*	1960	1.550*
Churn								
Auger								
Stripping								
Trenching	Hour	832.50	62	832.50	62	13.427*	92	13.625*
Test Pits Radiometric Logging	Foot	196.00	1960	196.00	1960	.10	1960	.10
Roads and Trails								
Analysis	Each	84.00	24	84.00	24	3.50	100	5.00
TOTAL DISTRIBUTED COSTS		3534.00		3534.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 June 14, 1956 Operator Charles M. Coleman and Associates.

Per Albert A. Gilling Title Attorney-in-fact.

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.

REMARKS: * Unit costs includes Supervision, Technical Services, Sample Containers, Rentals & Accounting.

** This amount does not include $35.00 washout time to reopen hole for probing.

(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

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

RECEIVED
AUG 13 1956

Administrative Audit Difference Statement

Charles G. Coleman & Associates
157 W. Clark Street,
Chicago 2, Illinois

Date: August 7, 1956
Payee's Reference: Dec 1956

FINAL DISTRIBUTION
MADE AUG 9 1956

Gentlemen

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 3,534.00

Difference $

Amount Approved $ 3,534.00

The reason for the difference was due to:

Withheld - $500.00 pending action on Stage II Work.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

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

RECEIVED
AUG 13 1956

224 New Customhouse
Denver 2, Colorado

August 3, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 4047 (Uranium) Contract Idm-E943, Charles M. Coleman and Associates (Clyde, Marsh and Longport groups of claims) Fremont County, Wyoming - Operator's Monthly Progress Report for the month of May, 1956

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended was performed in conformance with the general provisions stipulated in Exhibit "A" to the contract. Payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deduction.

Withhold an amount of $300.00 pending action on the Operator's request for Stage II work and so inform the Operator by means of Administrative Audit Difference Statement. Stage I work was completed during May, 1956

Remarks

Date of Report- - - - - - - - - - - - - - - - - June 14, 1956
Date Received in Field Office- - - - - - - - July 23, 1956
Date Received in Region Office- - - - - - - - July 27, 1956

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E943
Sec. Op. Comm. (2)
Shaw (2)

DMEA
Date Rec'd.

RECEIVED
AUG 13 1956

JUL 27 1956

REGION XXI

BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 2, Colorado
July 26, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region XXI

Through: John F. Shaw
Supervising Mining Engineer

From: Chas. R. Garrett, Jr.

Subject: DMEA 4047 (Uranium) Contract Ida-8943 - Charles M. Coleman and Associates, Riverton Uranium Corp., Fremont County, Wyoming -- Progress report for May 1956

Progress on this exploration project was inspected on June 12, 1956. Work started on May 8, 1956 and all of Stage I was completed by May 24, 1956. The work was carried out in accordance with terms of the contract and conducted in a good workman-like manner. During this period the company drilled 29 rotary drill holes, on the subject property, for a total of 2,565 feet. This was more footage than allowed by the contract, but the information gained by the additional drilling was considered to merit the extra cost to the company. Two holes were drilled to 270 and 280 feet depths respectively, in order to explore the lower portion of the Upper Wind River formation, which could not be reached by holes of less depth. One of these holes, M-3, penetrated a radioactive zone at 178 feet, which disclosed 2 mineralized strata, each about 2 feet thick with an indicated grade of 0.20% U_3O_8. This horizon in the lower portion of the Upper Wind River formation is productive on nearby properties and is the general target for exploration work. The Company used a 4½ inch rotary bit for drilling which was of sufficient size to disclose geologic information and to provide ample material for samples.

In conjunction with the drilling in Stage I, 7 trenches were excavated for a total of 1,700 feet on the Clyde group of claims. Each trench was excavated to sufficient depth to expose a fresh cut face 6-8 feet high over the anomalous rim and slope of the mesa on the Clyde group of claims. This is less trenching than allowed by the contract but the poor showings of mineralization and radioactivity disclosed by the trenches indicated that further trenching was not warranted.

A coarse unconsolidated conglomerate was encountered in many of the drill holes and gave trouble by caving sluff from near its base into the lower portion of the hole. As a result of this condition, Hole M-7 was abandoned and Hole M-7A was drilled close-by. Also, Hole M-12, which lost its air due to sluffing of sand in the hole, was abandoned and Hole M-12A was drilled close-by.

The geologist in charge was approved by the Government and did the exemplary work on this project. All drill holes were probed radiometrically, and the data is included in the company report for May. Samples were collected of the drill cuttings when necessary, and were assayed. A portion of each sample was retained for Government purposes and the Company supplied the Government with a copy of the assay results obtained from samples analyzed for this project.

All expenditures made in connection with the contract have been satisfactorily documented and an audit could be deferred until the project is completed. It will be noted that the company has waived any claim to the cost of "Payroll Taxes and Insurance" for the reason the Company does not maintain any regular payroll and it is difficult to separate the allocable portion of the insurance carried by the Riverton Uranium Corporation, which was employed to cover the operations.

There appears to be an error in the Company's computation of "Unit Costs, Authorized by Contract" for the unit cost of drilling, the author arrives at $1.535 per foot instead of $1.550 per foot as reported by the Company on Form MF-154A. However, this difference may be due to a different distribution of incidental costs to drilling.

It is recommended that the company be paid $2,650.50, which is 75 percent of $3,534.00 and its allowable share of the cost of this stage of the exploration project.

The Company has submitted a proposal for further exploratory work, which at present, is being reviewed.

Charles R. Garrett Jr.
Charles R. Garrett, Jr.
Mining Engineer

CRG/mr
cc: 6
Idm-Ryaj
Chron

REPORT ON WORK ACCOMPLISHED UNDER STAGE I

PROPOSALS FOR WORK TO BE PERFORMED UNDER STAGES II AND III

D M E A CONTRACT No. Idm - E 943

RECEIVED
AUG 13 1956

WORK PERFORMED - STAGE I

Drilling under Stage I was started on May 8, 1956 and completed on May 17, 1956. A loss of time due to a breakdown of equipment caused the bulldozing to lag behind the drilling, and the bulldozing was not completed until May 24, 1956.

The drilling was done with a Mayhew rotary drill mounted on an International truck. Dust samples were collected with a cone collector of the Duclone type, and a 600 c.f.m. air compressor was used to furnish air with which to remove cuttings from the holes. Samples were taken at two-foot intervals. The cuttings were logged lithologically and screened with a LaRoe Scintilation Counter, Model FV-5U. Samples weighing about one-half pound were taken from each two-foot interval, with duplicate samples taken for assay purposes from those intervals that indicated significant radiometric count.

All holes were logged with a Babbel Counter, Model 610, and a reel-mounted probe with a depth recorder. The attached logs of the holes show lithologic, radiometric, and assay information.

No mineralization of any consequence was found in the drill holes on the Clyde and Longport groups. One shallow and one deep occurrence of ore-grade mineralization were encountered in the drilling on the Marsh group. This mineralization, particularly the deep (178.5 - 186.5') occurrence is encouraging and warrants further exploration.

Stratigraphic information derived during the work indicates that most of the drilling on the Marsh group and probably all of the drilling on the Clyde and Longport groups was too shallow to intersect the horizons known to be favorable for ore deposition. Stage II drilling should be done to deeper depths than previously planned in order that the favorable stratigraphic zone can be penetrated.

Clyde Group

Work performed on the Clyde group of claims constituted drilling two holes to a depth of 50 feet to explore a small anomalous area on claim # 17 (see attached map), and bulldozing seven tractor trenches to explore the stratigraphy around the west and northern sides of the anomalous area on claims nos. 11, 12, 13, and 14.

The two drill holes (C-1 and C-2) were put down through sandstone and siltstone of the upper Wind River formation without encountering significant mineralization. It is thought that further drilling on the Clyde group should be confined to the central portion of the claim group where minor faulting indicates possible favorable conditions at depth. It is believed that the most favorable beds will be near the base of the upper Wind River formation at a depth of probably not to exceed 200 feet below the surface.

The tractor trenches cut across the upper beds exposed on claims nos. 11, 12, 13, and 14, exposed conglomerate, sandstone, tuff and mudstone of the White River formation. Abnormally high count was found in the upper sandstones, siltstones, tuffs, and mudstones, but samples cut across the beds of highest radiometric count indicated a maximum content of 0.05 percent U_3O_8. The highest radiometric count and assay values were obtained from sandstone occurring with and beneath the cobble conglomerate that caps the hill, and in mudstone immediately beneath the sandstone.

The writer believes that additional tractor trenching would be of little value, and that drilling to the base of the upper Wind River formation is a preferable means of exploration. It is inferred that the base of the upper Wind River formation is probably not deeper than 200 feet beneath the surface. However, until more information on the area is available, it is believed that available money can be more usefully expended on the Marsh and Longport groups of claims.

Longport Group

Seven rotary non-core holes were drilled at locations designated on the map accompanying the Exploration Contract. They are shown on the attached map of the Longport group. All were drilled to a depth of 50 feet, except hole no. L-2, drilled to a depth of 270 feet (50 feet specified in the contract). No significant mineralization was encountered.

However, as the holes penetrated beds higher in the upper Wind River formation than those that have proven elsewhere to be more favorable, the results of the drilling are not conclusive. It is believed that drilling to the base of the upper Wind River formation may disclose ore-grade uranium mineralization. Proposals for additional drilling are made later in this report.

Marsh Group

Eighteen rotary non-core holes were drilled at locations designated on the map accompanying the Exploration Contract. The attached map shows the location and depth of these holes, as well as the location of holes proposed for Stage II. Hole M-3 was drilled to 280 feet (120 feet specified in the contract), hole M-7A was drilled to 140 feet (120 feet specified), and hole M-12A was drilled to 140 feet (120 feet specified). The remaining holes were drilled to depths specified; attached is a list of collar elevations of all holes drilled.

Two mineralized intercepts of believed ore grade were encountered in hole M-3. Depths and grade of the intercepts are as follows:

178.5' - 180.5' = 2.0 feet. Est. grade 0.20% U_3O_8
185.0' - 186.5' = 1.5 " " " 0.20%

Hole probed with Model 610 Babbel Counter in calibration

Unoxidized ore believed to be in calibration

Water encountered at 140 feet and hole was finished using water as a circulating medium. Count in samples was noted from 190 to 206 feet, the discrepancy in depth believed to be due to a mistake on depth made by the driller. Two samples taken for assay contained 0.01% U_3O_8 for interval 196 to 198 feet, and 0.02% U_3O_8 for interval 198 to 200 feet.

Of the other holes drilled on the Marsh group, only hole M-11 intersected significant mineralization. In that hole, a 1.5 foot thick chocolate brown siltstone 40 feet above the conglomerate (28 - 29.5 feet below the collar of the hole) assayed 0.137% U_3O_8, and a 2 inch thick streak of carbonaceous material in fine grained sandstone at 41.5 feet assayed 0.11% U_3O_8. Radiometric count but no commercial assay values were obtained in holes M-4, M-8, M-9, and M-13, all above the conglomerate.

Hole M-3 was drilled through the base of the upper Wind River formation to obtain stratigraphic information and test the lower horizons. That hole, together with the others, yielded information indicating that none of the holes except M-3 penetrated the horizons in which ore bodies have been found to the west and to the north of the Marsh group.

All of the ore in the Gas Hills District has been found in the upper Wind River formation, composed largely of coarse arkosic sandstone and conglomerate with relatively minor amounts of siltstone and mudstone. The lower Wind River formation consists preponderantly of siltstone and mudstone, and has few arkosic sandstone beds. Red siltstone beds mark the contact between upper and lower Wind River beds in the vicinity of the Marsh group. Nearby ore deposits are from 50 to 180 feet above red beds.

A conglomerate bed from fifteen to thirty feet thick crops out near the north end of the Marsh group, and goes beneath the surface to the south. It is believed to be the same conglomerate that occurs on the Ola group, and contains granite and quartzite cobbles to 6 inches in diameter and black chert. This conglomerate bed is of widespread occurrence in the vicinity of the Marsh group, and serves as a useful marker bed.

The Globe Mining Company has drilled out an ore deposit on the Ola group that occurs about 70 feet stratigraphically below the conglomerate bed. The base of the conglomerate is approximately 245 feet above the red beds in drill hole M-3. If the relationship between the conglomerate and red beds is the same on the Ola group as on the Marsh group, the ore deposit on the Ola group is approximately 175 feet above the red beds.

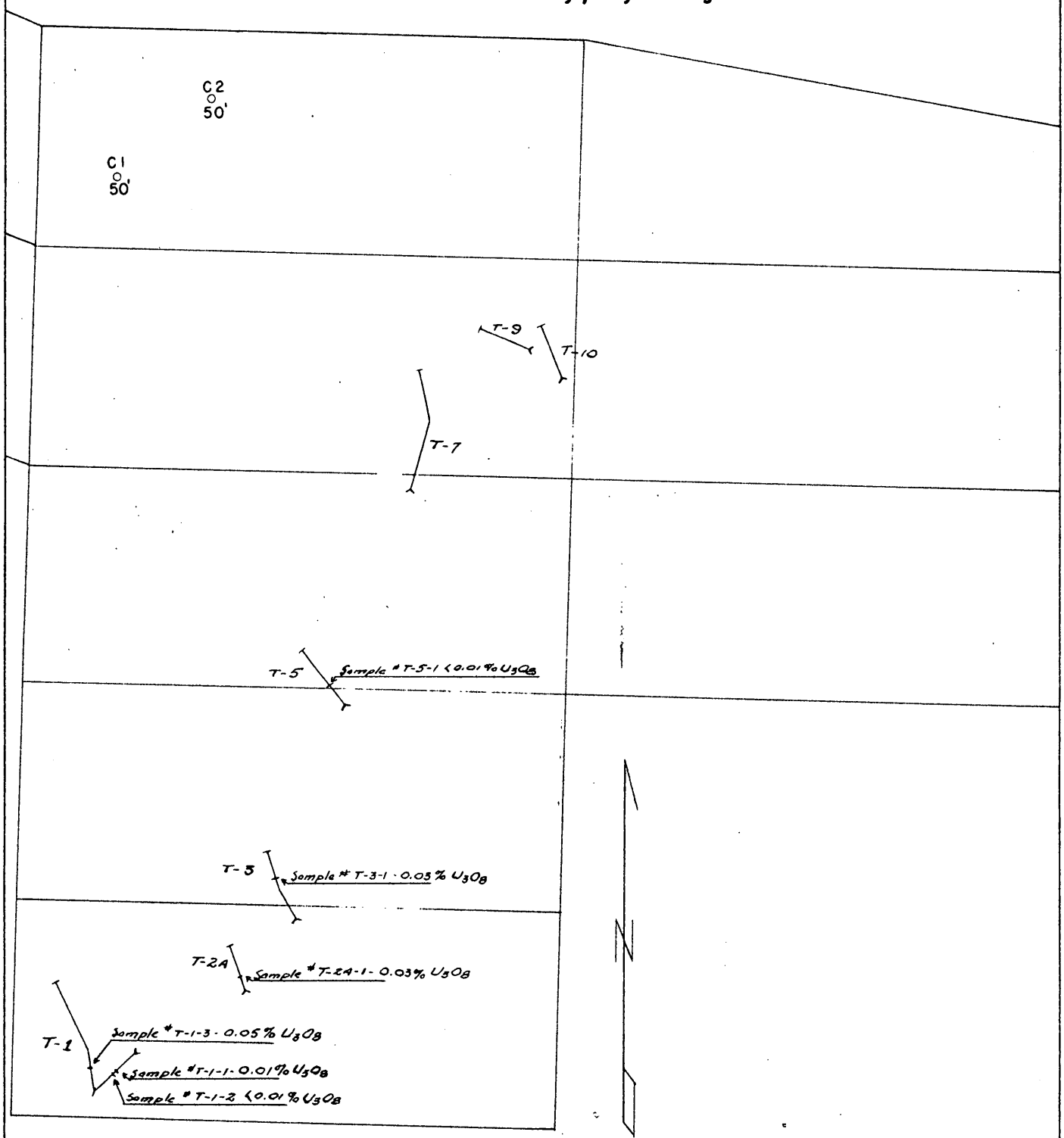
The Gas Hills Uranium Corporation is currently drilling an ore body on the Sagebrush group of claims about one-half mile northwest of the Marsh group. This ore body is 180 feet above the red beds. The ore deposits on the Bullrush group adjoining the Sagebrush group are known to occur at from 120 to 160 feet above the red beds. The Bridger Mining Company, in Sec. 30, T33N, R90W, is stripping to ore believed to occur at about 50 feet above the red beds.

Inasmuch as the significant ore deposits in the vicinity of the Marsh group occur from 50 to 180 feet stratigraphically above the base of the upper Wind River formation, it is to be expected that ore on the Marsh group will be found in the same general stratigraphic zone. Mineralization found in hole M-3, 76 feet and 83 feet above the red beds, bears out this viewpoint, and makes it almost mandatory that further exploration on the group be done at depths proven favorable on surrounding properties.

CLYDE GROUP

Sec. 22, T 32 N, R 91 W

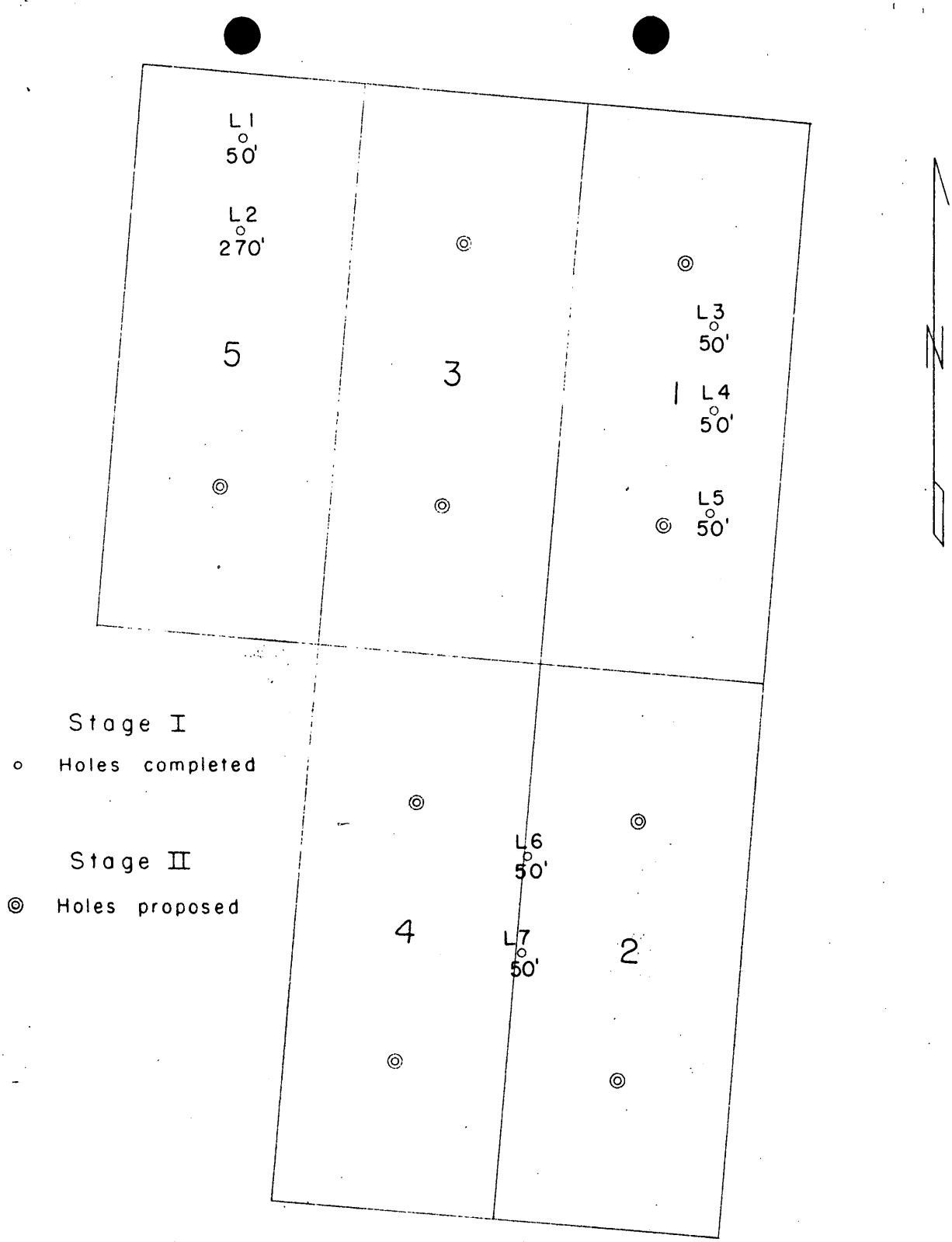
Fremont County, Wyoming



1" = 400'

6/9/56

CHARLES M. COLEMAN and ASSOCIATES by RALPH H. THURSTON



LONGPORT GROUP

Sec. 34, T 33 N, R 90 W

Fremont County, Wyoming

1" = 400' 6/9/56

CHARLES M. COLEMAN and ASSOCIATES by RALPH H. THURSTON

MARSH GROUP

Elevation of Collar of Holes and Top of Conglomerate

Brunton and cloth tape survey

Collar of hole M-3 assumed to be 6582 ft.

Hole No.	Collar elev.	Elev. of top of Conglomerate
M-1	6601	Not present
M-2	6600	Not present
M-3	6582	At surface
M-4	6594	6570
M-5	6598	6568
M-6	6618	6570
M-7	6635	6568
M-8	6625	6565
M-9	6628	6565
M-10	6608	6548
M-11	6631	6563
M-12	6633	6558
M-13	6641	6549
M-14	6656	Not reached
M-15	6655	Not reached
M-16	6618	6558
M-17		Not reached
M-18		Not reached

DRILL HOLE LOG

Hole No. C-1 Date Drilled May 17, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.02
1-50	.01-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-1'	Soil
1-3	Tan, coarse gr. congl. ss.
3-12	Lt. gray, med. gr. ss. few pebble congl. beds
12-13.5	Lt. gray, coarse gr. congl.ss.
13.5-16	Bright tan, coarse gr. ss.
16-18.5	Dull brown, coarse gr. ss. with minor clays.
18.5-20	Dark blue-gray siltstone.
20-26.5	Med. greenish gray siltstone grading into brown siltstone.
26.5-28.5	Blue gray siltstone
28.5-32	Dull brown, coarse gr. ss with minor clay.
32-36	Charcoal gray siltstone.
36-36.5	Tan siltstone.
36.5-38	Blue gray siltstone.
38-44	Greenish gray siltstone. 42-43'=Brownish gray siltstone.
44-48	Dark greenish gray siltstone.
48-50	Dark blue gray siltstone.

T.D. 50'

Hole No. C-2 Date Drilled May 17, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-48.3	.02-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-2'	Soil
2-4	Buff, med. gr. ss.
4-6.5	White, med. gr. ss. Some qtz. & granite pebble
6.5-8	Bright, lit. brown, med. gr. ss.
8-16	Lt. gray to Lt. greenish gray muddy siltstone.
16-18	Lt. greenish gray sandy siltstone.
18-22	Greenish tan, silty ss.
22-27	Tan siltstone.
27-30	Lt. green silty ss.
30-36	Tan to greenish gray siltstone.
36-40	Dull, lt. greenish brown coarse gr.ss. with minor clay.
40-42.5	Dark green-gray coarse gr. ss. with clay.
42.5-44	Green siltstone.
44-46	Greenish brown siltstone.
46-48	Green siltstone.
48-50	Green gray med. to fine gr. ss.

T.D. 50'

DRILL HOLE LOG

Hole No. L-1

Date Drilled May 15, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale	Reading 4 Scale
0	.09	.07
1-5	.09-.10	.08
6-10	.10	.09
11	.10	.09
12-29	.10-.11	.10
30	.10	.11
31-33	.11-.13	.10
33.4	.11	.14
34	.13	
35-39	.12	.10
39-43	.11	.11
44	.12	.10
45	.11	
46	.11	.09
47	.11	.10
48	.12	.09
48.9	.12	.09

SAMPLE DATA

LITHOLOGY

0-2'	Soil
2-4	Dull earth brown clay mixed with ss.
4-14	Lt. gray to buff, coarse gr. ss. Well cemented
14-20	Dull, earth brown ss. mixed with clay
20-22	Buff, med. gr. ss.
22-28	Greenish, med. gray, coarse gr. ss.
28-34	Greenish gray siltstone.
34-36	Tan sandy siltstone.
36-37	Lt. gray sandy siltstone.
37-37.5	Blue gray siltstone.
37.5-39.5	Buff to tan sandy siltstone.
39.5-46	Tan silty ss.
46-50	Buff to lt. gray siltstone.

T.D. 50'

DRILL HOLE LOG

Hole No. L-2

Date Drilled May 15, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.04
1-134	.04-.06
135-137	.07
138-195	.04-.06
195-269	.02-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-2	Soil
2-12	Buff siltstone & clay-med. grained.
12-14	Tan to buff - fine grained siltstone.
14-18	Tan sandstone-very fine grained.
18-24	Buff med. grained ss.
24-26	White ss.-med. grain.
26-28	Buff ss.-med. grain.
28-30	White ss.-med. grain.
30-34	Buff ss.-med. grain & FeOx.
34-40	Greenish fine grained ss. Clay in matrix.
40-54	Greenish siltstone & clay.
54-58	Gray to green fine grained ss.
58-62	Lt. gray ss.-very fine grained FeOx.
62-64	White ss. - med. grained.
64-70	Buff to tan ss. - some green clay near 70'.
70-74	Tan ss. - fine grained--FeOx.
74-76	Tan ss. & green clay.
76-80	Buff med. grained ss.
80-86	Gray claystone.
86-90	White ss. - fine grained.
90-96	Gray claystone-some FeOx.
96-104	Gray ss. - med. grained.
104-114	Blue-gray ss.-very fine grained. Some claystone.
114-120	Blue shaley ss. - V.F.G. Red silt at 120'.
120-132	Greenish blue siltstone. (124-128 some brownish streaks.)
132-148	Lt. blue ss. - V.F.G.
148-150	Lt. blue ss. - V.F.G. & clay.
150-160	Lt. blue ss. - med. grained.
160-180	White to blue ss-med. to coarse.
180-190	Blue-green claystone.
190-198	Alternate green shale & white ss.
198-200	Blue and red claystone.
200-270	Green to red clays & white sand alternating.

T.D. 270'

DRILL HOLE LOG

Hole No. L-3 Date Drilled May 12, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-47.8	.02-.05

SAMPLE DATA

No Samples

LITHOLOGY

0-1	Soil
1-9.5	Lt. gray pebble congl.
9.5-10.5	Green mudstone
10.5-15	Lt. gray coarse ss. and green mudstone interbedded.
15-16	Tan, coarse gr. ss.
16-27	Lt. greenish gray, coarse gr. ss. Few bands siltstone near bottom.
27-28	Brown siltstone.
28-30	Green & tan siltstone with greenish gray coarse gr. ss.
30-31	Brown siltstone.
31-32	Bright tan, med. gr. ss.
32-34	Med. gray, med. grain ss.
34-40	Lt. gray to buff, med. gr. ss.
40-50	Lt. gray to buff, coarse gr. congl. ss.

T.D. 50'

Hole No. L-4 Date Drilled May 12, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.02
1-9	.02-.04
10-13.5	.05-.06
14-48.5	.01-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-2	Soil
2-12.5	Lt. gray to buff pebble cong.
12.5-14.5	Green mudstone.
14.5-17.5	Lt. gray, coarse gr. ss.
17.5-18	Bright lt. brown siltstone.
18-20	Lt. gray, coarse gr. ss. and lt. gray and brown siltstone interbedded.
20-22	Lt. gray, med. gr. ss. & lt. gray silt interbedded.
22-24.5	Buff silstone.
24.5-28	Green, fine gr. silty ss.
28-32	Lt. brown coarse gr. ss.
32-34	Buff, coarse gr. ss.
34-36	Lt. gray fine gr. ss.
36-40	Lt. gray to tan, coarse gr. ss.
40-43.5	Lt. gray siltstone.
43.5-44.5	Dull purplish brown siltstone.
44.5-50	Lt. greenish gray, med. grain ss.

T. D. 50'

DRILL HOLE LOG

Hole No. L-5 Date Drilled May 12, 1956

PROBE DATA

Babble counter

ft.	Reading 5 Scale
0	.02
1-48.1	.01-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-3	Soil
3-8	Buff to earth brown, med. gr. ss.
8-17.5	Lt. gray pebble cong.
17.5-20	Lt. green-gray silty mudstone.
20-33	Tan siltstone
33-34	Lt. gray, fine gr. ss.
34-48.5	Lt. gray coarse gr. ss.
48.5-50	Blue gray siltstone.

T.D. 50'

Hole No. L-6 Date Drilled May 12, 1956

PBROBE DATA

ft.	Reading 5 Scale
0	.02
1-58.4	.01-.04

SAMPLE DATA

No Samples.

LITHOLOGY

0-3	Soil
3-12	Lt. gray, coarse gr. congl. ss.
12-16	Lt. greenish gray, fine gr. silty ss.
16-20.5	Lt. green sandy siltstone.
20.5-22	Lt. greenish gray , fine gr. ss.
22-46	Lt. gray, coarse gr. ss. conglomeratic in places.
46-49.5	Lt. gray, fine gr. ss.
49.5-50	Dull earthy brown, fine gr. ss.

T. D. 50'

Hole No. L-7 Date Drilled May 12, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-48.2	.01-.04

SAMPLE DATA

No Samples.

LITHOLOGY

0-1	Soil
1-4	Lt. gray, fine gr. ss.
4-8	Lt. gray to buff, med. gr. ss.
8-14	Lt. gray to buff, coarse gr. ss.
14-17	Dull earth brown, coarse gr. ss.
17-22.5	Lt. gray-green, coarse gr. ss. Some silty beds.
22.5-24	Chocolate brown, fine gr. silty ss.
24-24.5	Red-brown, fine gr. ss.
24.5-32	Lt. greenish, fine gr. ss. Some silt beds.
32-32.5	Tan siltstone.
32.5-34	Lt. gray, med. gr. ss.
34-50	Lt. gray, coarse gr. ss.

T. D. 50'

DRILL HOLE LOG

Hole No. M-1 Date Drilled May 8, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.05
1-69'	.05 - .07

SAMPLE DATA

No Samples

LITHOLOGY

0'-10' Tan to lt. brown fine gr. silty ss. Strong FeOx stain.
10-18' Buff to tan fine gr. ss.
18-21' Buff to tan coarse gr. arkosic ss.
21-39' Tan Coarse gr. ss. and congl. pbls. to 1" dia.
39-46' Buff, coarse gr., congl. ss.
46-54' Lt. dull brown, coarse gr., ss. some large pbls.
54-57' Med. gray cobble congl. Black chert fragments with usual qtz., qtzite. & feldspar fragments.
57-70' Buff, coarse gr. congl. ss.

T.D. 70'

Hole No. M-2 Date Drilled May 8, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0 - 1	.05
1.5	.08
2.0	.10
3.0	.08
3.5	.06
4.0-67.5	.02-.06

SAMPLE DATA

No Samples

LITHOLOGY

0'- 4' Soil
4 - 6' Bright light brown, heavily FeOx stained, silty fine gr. ss.
6 -10' Buff, fine gr. ss.
10 -14' Med. gray congl.
14 -18' Buff to tan coarse gr. ss.
18 -23' Bright lt. brown, FeOx stained, coarse gr. ss.
23 -24' Tan Congl.
24 -30' Tan Med. grained ss.
30 -34' Buff coarse gr. ss.
34 -47' Buff to gray cobble congl. Some black chert pebbles.
47 -58' Buff coarse gr. congl. ss.
58 -70' Tan coarse gr. congl. ss.

T.D. 70'

DRILL HOLE LOG

Hole No. M-3 Date Drilled May 10, 1956

PROBE DATA

ft.	Reading 5 Scale	Reading 4 Scale
0	.03	
1-35	.03-.05	
36	.06	
36.5	.07	
37	.11	
37.5	.10	
38	.07	
39	.04	
40-175	.01-.03	
176	.08	.05
176.5	.10	.05
177	.13	.05
177.5	.16	.08
178	.29	.11
178.5	.56	.19
179	.74	.21
179.5	.85	.22
180	.79	.20
180.5	.50	.17
181	.27	111
181.5	.16	.06
182	.10	.04
182.5	.06	.05
183	.09	.05
183.5	.09	.06
184	.09	.06
184.5	.18	.08
185	.28	.12
185.5	.77	.22
186	.95	.26
186.5	.68	.18
187	.36	.11
187.5	.18	.07
188	.12	.06
188.5	.09	.04
189	.06	.03
190-193	.03-.05	
194-247	.01-.03	

Caved at 247'

SAMPLE DATA

ft.	$\%U_3O_8$
196-198=	.01
198-200=	.02

LITHOLOGY

0'-6' Soil
6 -17' Cobble conglomerate-buff.
17-30' Buff, coarse gr. ss.
30-70' Buff to tan, coarse gr. ss.
41'-46'-pebble congl.
70-76' Buff, coarse gr. ss.
76-80' Buff, coarse gr. congl. ss.
Some silt.
80-84' Buff, coarse gr. ss.
84-88 1/2 Blue gray siltstone
88 1/2 - 106' Light greenish gray
med. to coarse gr. ss.
106-132' Greenish-gray med. gr. silty ss.
132-136' Lt. gray coarse gr. ss.
136-140' Greenish gray silty ss.
140-164' White to lt. gray coarse gr. ss.
164-189' Lt. greenish gray coarse gr. ss.
189-205' Lt. greenish gray med. gr. ss.
205-246' Green siltstone.
246-262' Med. gray ss. with some dark
blue gray siltstone.
262-280' Intermixed red & gray silt-
stone-some coarse ss.

T.D. 280'

Bottom of upper Wind River formation believed to be at 262'.

Slight radiometric count in wet cuttings from 188' to 206'.

REMARKS: no cuttings 126' - 130', 138' - 140'. Water at 140'
Below 140' samples ore cuttings taken from water at hole collar in steel sump tank by shovel.

DRILL HOLE LOG

Hole No. M-4 Date Drilled May 8, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.04
1-15	.04-.06
16	.12
17	.18
18	.08
19	.04
20-76.5	.02-.05

SAMPLE DATA

19'-20'= .04% U_3O_8

20'-22'= .01% "

LITHOLOGY

0-1'	Soil
1-19'	Tan, coarse gr. congl. ss.
19-20'	Chocolate brown fine gr. silty ss. Last 1" or so white silty ss.
20-22'	Lt. brown, coarse gr., congl. ss.
22-31'	Lt. gray to buff cobble congl. Fragments black qtz.
31-38'	Buff coarse gr. congl. ss.
38-52'	Buff, coarse gr. ss., congl. in part.
52-62'	Tan, coarse gr. ss.
62-64'	Bright lt. brown, coarse gr. ss.
64-70'	Tan, coarse gr. ss.

T.D. 70'

Hole No. M-5 Date Drilled May 9, 1956

Babble Counter

ft.	Reading 5 Scale
0	.04
1-45	.04-.06
45-113.5	.03-.05

No Sample

0'-1'	Soil
1 -14'	Dull lt. brown fine gr. ss. conglomeratic
14- 16'	Tan, med. gr. ss.
16- 30'	Tan, coarse gr. congl. ss.
30- 50'	Cobble Congl.
50- 58'	No cuttings - drilled like soft ss.
58- 85'	Buff to tan coarse gr. ss.
85- 92'	Lt. gray-green coarse gr. ss.
92- 97'	Buff, coarse gr. ss.
97- 98'	Blue-gray siltstone
98-102'	Lt. gray coarse gr. ss.
102-105'	Blue-gray siltstone
105-120'	Blue-gray fine gr. ss.

T.D. 120'

DRILL HOLE LOG

Hole No. M-6 Date Drilled May 8, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY	
ft.	Reading 5 Scale			
0	.02	No Samples	0'-6'	Buff pebble congl.
1-67.8	.02-.04		6 -13.5	Tan coarse gr. congl. ss.
			13.5-15	Lt. gray med. gr. ss.
			15 -30'	Tan, Coarse gr. ss.
			30 -38'	Buff to tan coarse gr. ss.
			38 -54'	Cobble congl., buff to tan. Black chert fragments.
			54 -66'	Lt. gray cobble congl.
			66 -70'	Buff to tan coarse gr. ss.
			T.D. 70'	

REMARKS: Cobble congl. 38' - 66' very hard drilling. Much extra sand blown out. Must be large diameter hole in places.

Hole No. M-7 Date Drilled May 8, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY	
ft.	Reading 5 Scale			
0	.04	No Samples	0-1'	Soil
1-75.5	.02-.05		1-6 1/2'	Buff conglomerate
			6 1/2 -12	Buff to tan congl. and coarse gr. ss.
			12 - 20	Tan coarse gr. ss.
			20 - 30	Buff to tan congl. and coarse gr. ss.
			30 - 36	Siltstone - White to lt. gray spotted with FeOx stain. Probably stained in alternate beds.
			36 - 42	Tan, med. gray ss.
			42 - 67	Tan, coarse gr. ss. 3' med. grain. at 48'-51'.
			67 - 75	Buff to tan boulder congl.
			75 - 83	Med. gray boulder congl.
			T.D. = 83'	Hole caved

REMARKS: The conglomerate from 67' to 83' was very hard drilling and wore out two bits. Such a large amount of sand was blown from the hole during the slow drilling that it is believed no satisfactory samples could be obtained from greater depths even if the hole could be drilled deeper.

DRILL HOLE LOG

Hole No. M-7-A

Date Drilled May 16, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-30	.02-.04
31	.07
32	.08
33	.09
34-35	.08
36	.07
37-55	.04
56	.07
57	.06
58	.04
59-71	.04-.06
72	.08
73	.08
74-75	.06
76-77	.05
78-84	.06
85-86	.04
87-88	.06
89-113	.04
114-115	.06
116-123	.04
124-126	.06
127-131	.04
132	.05
133-140	.03-.04

SAMPLE DATA

No Samples

LITHOLOGY

Log of M-7 satisfactory to 52'

54-56	Conglomerate-buff (cont. Qtz., Blk. chert.)
56-62	Tan to buff ss. med. gr.
62-64	Fine gr. tan ss. & FeOx.
64-70	Buff boulder cong.
70-72	Tan fine gr. ss.
72-86	Buff bldr. congl.
86-88	Buff ss. 6" blue clay. Parting 87.5 - 88'.
88-108	Buff ss. Med. to fine gr.
108-110	Gray boulder congl.
110-122	Buff & tan ss. med. gr. & FeOx & bl. clay partings.
122-124	Buff fine gr. ss. Blue green shale parting (* - 4")
124-140	White to tan ss. med. to fine gr.

T. D. 140'

DRILL HOLE LOG

Hole No. M-8 Date Drilled May 9, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.04
1-30	.03-.05
31	.07
32	.10
33-34	.09
35	.16
36	.20
37	.14
38	.11
39	.06
40-58	.04-.06

Caved at 58'

SAMPLE DATA

ft.	% U_3O_8
36'-38'	.02

Chocolate & buff silt.

LITHOLOGY

0- 4'	Buff to tan siltstone
4-14'	Buff, coarse gr. ss.
14-33'	Buff to tan, coarse gr. congl. ss. Siltstone beds 20'-23'
33-39'	Siltstone-beds buff, tan, white, 36'-37.5' chocolate. Occasional carbon, most at 34'.
39-52'	Buff to tan coarse gr. ss.
52-60'	Tan, Med. gr. ss.
60-70'	Tan, cobble congl.

T.D. 70'

Hole No. M-9 Date Drilled May 11, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale	4 Scale
0-ft.	.03	
1-35	.02-.04	
36	.04	
36.5	.07	.01
37	.10	.03
37.5	.13	.03
38	.08	.03
38.5	.08	.03
39	.06	.02
39.5	.04	
40-66	.02-.04	

SAMPLE DATA

No Samples

LITHOLOGY

0-3'	Soil
3-9	Tan, coarse gr. ss. & congl.
9-22	Tan, coarse gr. ss. Few inches lt. gray siltstone at 10'. Much interbedded lt. gray silt 12'-14'.
22-23	Tan siltstone
23-25	Bright brown coarse gr. ss.
25-30	Light gray pebble congl.
30-30.5	Buff siltstone
30.5-32	Tan, coarse gr. ss.
32-34	Med. gray, fine gr. ss. some buff silt.
34-36	Lt. blue gray siltstone.
36-40	Interbedded med. gray ss. and blue gray silt.
40-43	Med. gray ss.
43-45	Blue gray siltstone
45-46.5	Tan sandy siltstone.
46.5-54	Tan to buff, med. gr. ss.
54-63	Tan, coarse gr. ss.
63-70	Cobble conglomerate

T.D. 70'

DRILL HOLE LOG

Hole M-10

Date Drilled May 9, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.04
1-69	.02-.05

SAMPLE DATA

No Samples

LITHOLOGY

0-2	Soil
2-6	Banded buff, tan, brown siltstone
6-8	Buff, fine gr. ss.
8-10	Tan, med. gr. ss.
10-12.5	Lt. gray, coarse gr. congl. ss.
12.5-18	Buff to tan, siltstone
18-22	Lt. gray fine gr. ss.
22-26	Tan, med. gr. ss.
26-32	Buff to tan coarse gr. ss.
32-34	Buff to tan siltstone
34-36	Tan, fine gr. ss.
36-60	Buff, coarse gr. ss.
60-70	Cobble conglomerate-buff

T.D. 70'

DRILL HOLE LOG

Hole No. M-11

Date Drilled May 9, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale	Reading 4 Scale
0	.05	
1-3	.05-.06	
3.5	.10	
4	.12	
5	.11	
6	.10	
7	.07	
8-25	.06-.07	
26	.10	.08
27	.20	.11
27.5		.14
28	.56	.20
29	.50	.17
29.5	.30	.11
30	.14	.08
31	.10	
32	.08	
33	.10	
34-35	.09	
36	.22	
37	.11	
38	.08	
39-50	.06-.08	
50-67.5	.05	

SAMPLE

ft.	% U_3O_8
4'-6'=	.08
28'-29.5=	.137
36'-38'=	.048

2" carbon at 41.5= .11

LITHOLOGY

0-8'	Buff siltstone. Last 1' strong brown FeOx stain.
8-15	Buff coarse gr. ss.
15-16	Brown FeOx stained, coarse gr. ss.
16-19	Lt. gray coarse gr. ss.
19-26	Tan, coarse gr. ss. few inches buff siltstone at 24'.
26-28	Buff siltstone
28-29.5	Chocolate brown siltstone with considerable carbon.
29.5-33	Tan, coarse gr. congl. ss.
33-36	Buff, fine gr. silty ss.
36-37	Med gray silty ss.
37-40	Blue-gray siltstone
40-42	Tan, fine gr. ss. 2" carbon streak at 41.5'.
42-58	Buff to tan, fine gr. ss. 2" blue-gray siltstone at 43.5'. 1' coarse gr. sss at 50'.
58-68	Tan, coarse gr. ss.
68-70	Cobble congl. - tan.

T.D. 70'

DRILL HOLE LOG

Hole No. M-12 Date Drilled May 10, 1956

PROBE DATA		SAMPLE DATA	LITHOLOGY	
Babble ft.	Counter Reading 5 Scale	No Samples	0-3'	Soil
			3-8	Buff med. gr. ss.
			8-15	Tan, coarse gr. congl. ss.
			15-19	Buff, coarse gr. ss. Few inches buff silt at 16'.
0	.04		19-20	Buff siltstone
1-92.7	.02-.05		20-40	Buff, coarse gr. ss. Congl. in places.
Caved at 92.7'			40-44	Intermixed light blue-gray silt and tan, med. gr. ss.
			44-46	Tan, med. gr. ss.
			46-47.5	Lt. gray siltstone.
			47.5-64	Buff, to tan, fine gr. silty ss.
			64-72	Buff to tan, med. gr. ss.
			72-75	Tan, coarse gr. ss.
			75-102	Cobble conglomerate.
			T.D. 102'	

REMARKS: Lost air return at 102' and hole caved badly.

DRILL HOLE LOG

Hole No. M-12-A

Date Drilled May 16, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-60	.02-.03
61-76	.02
77-79	.04
80-96	.00
100-102	.02
103-125	.00
126-131	.02
132	.04
132.5	.10
133	.06
134-139	.02
140	.00

SAMPLE DATA

130'-132'= .02 % U_3O_8

132'-134'= .02% U_3O_8

LITHOLOGY

0-2	Soil
2-6	Med. gr. ss. - buff.
6-8	Mixed buff ss. & cong.
8-16	Buff to tan cong. (Pbl.) & FeOx.
16-18	Brown to tan siltstone.
18-22	Lt. tan ss. med. gr.
22-26	Lt. tan ss. coarse gr.
26-42	Lt. tan to buff ss. med. to coarse.
42-44	Brown ss. Fine gr. blue silt at bottom (44').
44-75	Buff to tan ss. Blue clay parting at 48' (+ - 4").
75-90	Boulder cong. cont. wh. qtz. & blk. chert.
90-92	Tan ss. (med. gr.) & blue clay.
92-130	Lt. tan to buff ss. med. gr. Light color 122'-120'.
130-134	White ss. med. gr. blue clay parting.
134-140	Light gray ss. med. gr.

T.D. 140'

DRILL HOLE LOG

Hole No. M-13 Date Drilled May 9, 1956

PROBE DATA

Babble Counter

ft.	Reading 5Scale	4 Scale
0	.04	
1-63	.04-.07	
64	.07	.04
65	.12	.04
65.5	.18	
66	.22	.09
67	.16	.07
68	.11	.05
69	.10	
70	.08	
71	.06	
72-105	.04-.06	

Caved at 105'

SAMPLE DATA

66'-68'= .056 % U_3O_8

LITHOLOGY

0-4	Lt. gray, med. gr. ss.
4-8	Lt. gray & tan, coarse gr.ss.
8-17	Lt. gray, buff & tan siltstone.
17-30	Lt. gray to buff, coarse gr. ss.
30-33	Lt. gray congl.
33-44	Lt. gray, coarse gr., congl. ss.
44-58	Buff, coarse gr. ss. conglomeratic in places.
58-74	Blue-gray siltstone. 66-68=more dull gray.
74-92	Buff to tan, coarse gr. ss.
92-120	Cobble,conglomerate-buff to tan.

T.D. 120'

Hole No. M-14 Date Drilled May 11, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1	.02
2	.05
3	.05
4	.03
5-67	.01-.03

SAMPLE DATA

No Samples

LITHOLOGY

0-2'	Soil
2-5	Buff, coarse gr. congl. ss.
5-10	Lt. gray, fine gr. ss.
10-12	Buff to tan, sandy siltstone.
12-16	Buff to lt. gray Med. gr. ss.
16-34	Green-gray, coarse gr. ss. Tan streaks
34-42	Buff, coarse gr. ss.
42-51	Lt. green-gray coarse gr. ss.
51-53	Interbedded tan ss. & lt. gray siltstone.
53-60	Lt. gray, med. gr. ss. few coarse gr.
60-62	Tan, coarse gr. ss.
62-68	Lt. gray to buff, coarse gr. ss.
68-70	Tan, very coarse gr., congl. ss.

T.D. 70'

DRILL HOLE LOG

Hole No. M-15

Date Drilled May 11, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-69.8	.02-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-1'	Soil
1-4	Buff, fine gr. ss.
4-6	Buff, med. gr. ss.
6-10	Tan, coarse gr. ss.
10-16	Lt. gray to buff, coarse gr. ss.
16-20.5	Tan, coarse gr. ss. At 16' large piece black silicified wood.
20.5-22.5	Lt. gray, fine gr. ss.
22.5-24	Gray siltstone & fine gr. ss.
24-26	Dark green-gray, silty, coarse gr. ss.
26-28	Blue-gray siltstone.
28-34	Dull, green-brown, med. gr. ss.
34-45	Lt. gray, med. gr. ss.
45-52	Lt. gray, coarse gr. ss.
52-53	Banded lt. gray & brown, fine gr. ss.
53-60	Lt. gray, fine gr. ss.
60-70	Lt. gray to buff, coarse gr. ss.

T.D. 70'

Hole No. M-16

Date Drilled May 11, 1956

PROBE DATA

ft.	Reading 5 Scale
0	.03
1-67.8	.02-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-2.5	Soil
2.5-6	Lt. gray coarse gr. ss.
6-20	Tan, coarse gr. ss. 11'-12'=Lt. gray, med. gr. ss.
20-24	Tan & bright lt. brown, coarse gr. ss.
24-45	Lt. gray to buff, coarse gr. ss. Few beds pebble congl.
45-47	Tan, coarse gr. ss.
47-48	Lt. gray, med. gr. ss.
48-52	Buff to tan, coarse gr. ss.
52-54	Bright brown, coarse gr. ss.
54-55	Tan, coarse gr. ss.
55-60	Lt. gray to buff, coarse gr. ss.
60-70	Cobble conglomerate.

T.D. 70'

DRILL HOLE LOG

Hole No. M-17

Date Drilled May 11, 1956

PROBE DATA

Bable Counter

ft.	Reading 5 Scale
0	.02
1-68.6	.01-.04

SAMPLE DATA

No Samples

LITHOLOGY

0-2'	Soil
2-17	Buff to tan siltstone
17-20	Med. gray, fine gr. ss.
20-25	Buff siltstone
25-27	Lt. gray to tan, med. gr. ss.
27-28.5	Lt. gray & brown siltstone.
28.5-36	Lt. gray to buff, coarse gr. congl. ss.
36-38	Lt. greenish gray, fine gr. ss.
38-40	Bright tan, coarse gr. ss.
40-52	Lt. gray to buff, coarse gr. ss.
52-53	Tan siltstone.
53-55.5	Lt. gray, coarse gr. ss. 6" dark brown. stain at 55' FeOx & MnO
55.5-63	Blue-gray siltstone with iron & manganese stained pebbles
63-63.5	Tan siltstone.
63.5-70	Light gray to tan, fine gr. ss.

T.D. 70'

DRILL HOLE LOG

Hole No. M-18

Date Drilled May 11, 1956

PROBE DATA

Babble Counter

ft.	Reading 5 Scale
0	.03
1-67.8	.01-.05

SAMPLE DATA

No Samples

LITHOLOGY

0-4'	Lt. brown, coarse gr. congl. ss.
4-12	Coarse gr. ss. 4-8'=Lt. gray 8-10=buff 10-12=brown
12-26	Blue-gray siltstone. 1st 2' duller gray.
26-27	Dull gray siltstone.
27-29	Brown, tan, lt. gray siltstone.
29-32	Fine gr. ss. few inches lt. gray, then greenish
32-54	Lt. gray to buff, coarse gr. ss. Greenish band at 41', tan ss. & gray silt 46' - 47'.
54-55	Tan, coarse gr. ss.
55-58	Med. gray, fine gr. ss.
58-60	Blue gray siltstone.
60-61	Med. gray ss.
61-62	Bright brown, fine gr. ss.
62-68	Lt. gray to buff, med. gr. ss.
68-70	Lt. gray, coarse gr. ss.

T.D. 70'

Contract Division

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

To: Albert W. Dilling,
Attorney for:
Charles M. Coleman, J. H. Deimerly,
Albert W. Dilling, Leonard D. Carmichael,
Kirkpatrick W. Dilling, and Mabel E. Carmichael
139 N. Clark Street
Chicago 2, Illinois

Pursuant to the provisions of Exploration Project Contract No. IAm-8913, dated April 11, 1956, (Docket No. DMEA-4047), hereinafter called the "contract," between Charles M. Coleman, J. H. Deimerly, Albert W. Dilling, Leonard D. Carmichael, Kirkpatrick W. Dilling, and Mabel E. Carmichael and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

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

Surface drilling on the Longport and Marsh claims intersected uranium-bearing areas of ore grade in sandstone and conglomerate of the Upper Wind River formation of Tertiary age.

Dated: MAR [illegible] 1958

THE UNITED STATES OF AMERICA

By [signature]
Administrator, Defense Minerals
Exploration Administration

FLKnouse/gla (2-28-58) 3-10-58
Copies to:
Albert W. Dilling
Charles M. Coleman
Kirkpatrick W. Dilling
139 N. Clark St., Chicago 2, Ill.
J. H. Deimerly, 1207 Benton Street, Rockford, Illinois
Leonard D. Carmichael and Mabel E. Carmichael, Rochelle, Illinois
Irving L. Marshank, 1325 Commerce Street, Longview, Washington
Donlender
Robert W. Utter
Charles Lesnick
Contract Adm. & Audit Division
DMEA Field Team, Region III (2)
[illegible]nance Office
[illegible]et
Frank D. Lamb, 3608
Fairlieparri, 5224
Mr. Knouse
Jesse C. Johnson, Director
Division of Raw Materials, AEC
Elton A. Youngberg, AEC, GJ, Colorado
Adm.'s Reading File
Frank E. Johnson

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

Mr. Albert W. Dilling
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago 2, Illinois

Re: Docket No. DMEA-4047 (Uranium)
Contract No. Idm-E943
Charles M. Coleman and Associates
Clyde, Marsh, and Longpert
Groups of Claims
Fremont County, Wyoming

Dear Mr. Dilling:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract." This certification covers all the land described in Article 2 of the subject contract.

By the terms of the Exploration Project Contract, as amended, and of the certification, all minerals mined or produced from April 11, 1956, to April 11, 1967, are subject to the Government's percentage royalty as set forth in the contract until the amount contributed by the Government is repaid.

1968 see Amend 5

Payments should be made to the Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado. Checks should be payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Any bonus payments or allowances received by you from production are considered to be a part of the purchase price to which the Government's royalty applies. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify the Executive Officer of any changes in ownership or production rights that might have any effect on the Government's right to its percentage

royalty. Also, if production ceases at any time for an extended period, please notify the Executive Officer at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

Administrator

Enclosure

Copies to:

Charles M. Coleman
Kirkpatrick W. Dilling
139 North Clark Street, Chicago 2, Illinois
J. H. Deimerly,
1207 Benton Street, Rockford, Illinois
Leonard D. Carmichael and Mabel E. Carmichael
Rochelle, Illinois

FLKnouse/gla 2-27-58
Irving L. Marshack, 1325 Commerce Street, Longview, Washington
Don Londer
Robert W. Utter
Charles Lesnick
Admr.'s Reading File
Frank E. Johnson
Operating Committee
Frank D. Lamb, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)
Contract Adm. & Audit Division

Audit's copy

RECEIVED
NOV 3 1958
O.M.E

TERMINATION AGREEMENT

It is agreed this 29th day of September, 1958, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and Charles M. Coleman, J. H. Deimerly, Albert W. Dilling, Leonard D. Carmichael, Kirkpatrick W. Dilling, and Mabel E. Carmichael, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-2943, Docket No. DMEA-4047, dated April 11, 1956, as amended, hereinafter called the "Contract," that:

1. Effective June 26, 1958, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the allowable costs of the work performed prior to June 26, 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 percentage royalty and liens to secure the payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment, are hereby preserved.

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

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

THE UNITED STATES OF AMERICA

By C O Mittendorf
ACTING Director, Office of Minerals Exploration

Charles M. Coleman ~~(Partner)~~
Charles M. Coleman

J. H. Delmerly ~~(Partner)~~
J. H. Delmerly

Albert W. Dilling ~~(Partner)~~
Albert W. Dilling for Himself and As Attorney in Fact for the other Parties

~~(Partner)~~
Leonard D. Carmichael

Kirkpatrick W. Dilling ~~(Partner)~~
Kirkpatrick W. Dilling

~~(Partner)~~
Mabel E. Carmichael

EXTRA COPY
O. M. E.
RECEIVED
1958
800

224 New Customhouse
Denver 2, Colorado
October 30, 1958

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4047 (Uranium) Contract Idm-E943, Charles M. Coleman and Associates, (Clyde, Marsh, and Longport claims) Fremont County, Wyoming

Enclosed are the Government's and Audit copies of the Termination Agreement, which was forwarded by your letter of September 29, 1958, for signature by the Operator.

The executed copies of the Termination Agreement were returned to this office by letter of October 28, 1958.

Copies of the Termination Agreement have been distributed to the Operator, the Finance Office, and others concerned in Region III.

Original
J. W. TOWNSEND

J. W. Townsend

Enclosures

JWT:hmh

cc: Finance Office, Reg. III)
Horsman) w/copy of
Marshall, OME/DFC) Termination
Corres. file, Reg. III) Agreement
Cooper
Chron

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

MAR 3 1959

Mr. Albert W. Dilling
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago 2, Illinois

Re: Docket No. DMEA-4047 (Uranium)
Contract No. 16n-2943
Charles M. Coleman and Associates
Clyde, Marsh, and Longport
Groups of Claims
Fremont County, Wyoming

Dear Mr. Dilling:

Reference is made to our letter of March 11, 1958, enclosing a certification of discovery or development covering the subject property.

At the time of our letter the exact amount contributed by the Government under this project was subject to audit. Subsequently, an audit determined the amount to be $13,803.23 which is repayable by the subject Operator through royalty on production. Payments should be made in accordance with the instructions contained in the above-mentioned letter except that checks should be made payable to the Office of Minerals Exploration and sent to the Executive Officer at 224 New Customhouse Building, Denver 2, Colorado.

Sincerely yours,

Frank E. Johnson

Acting Director

Copies to:
Charles M. Coleman, c/o Kirkpatrick W. Dilling,
139 North Clark Street, Chicago 2, Illinois
J. H. Deimerly, 1207 Benton Street, Rockford, Illinois
Leonard D. Carmichael and Mabel E. Carmichael, Rochelle, Illinois
Don Lender, Hoffman's Men's Store, Vancouver, Washington
Robert W. Utter, 1532 - 22nd, Longview, Washington
Charles Loenick, 1002 Kessler Blvd., Longview, Washington
Irving L. Marshack, 1325 Commerce Street, Longview, Washington
FLHouse/gla 2-26--59

cc to: Director's Reading File
Frank E. Johnson
Operating Committee
Div. of Contract. Adm. & Audit
Frank D. Lamb, Rm. 3608
T. H. Killsgaard, Rm. 5224
FLHouse
OME Field Team, Reg.III (2)

224 New Customhouse
Denver 2, Colorado
July 28, 1958

800

Memorandum

To: Chairman, Operating Committee, DMEA

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4047 (Uranium) Contract Idm-E243 Charles M. Coleman & Associates, (Clyde, Marsh, and Longport groups of claims) Fremont County, Wyoming

Enclosed are three copies of a work approval issued by the DMEA Field Team, Region III, for the drilling of three holes under Stage 6, of the contract.

Also enclosed are three copies of a joint memorandum dated July 24, 1958, from L. G. Binyon, Mining Engineer, Bureau of Mines, and E. N. Harshman, Geologist, Geological Survey, containing their recommendations for the drilling. Two copies of the Operator's request dated July 11, 1958, and attached proposal dated July 10, 1958, with map, were forwarded to you by our memorandum to the field examiners dated July 14, 1958.

Copies of the work approval have been distributed to the Finance Office, and to others concerned in Region III.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JDC:hmh

cc: Fin. Off.,Reg.III
Harshman
DMEA/DFC (Binyon)
Corres.file,Reg.III
Cooper
Chron

} w/copy of work approval and joint memorandum of 7/24/58

IN REPLY REFER TO:

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DEPARTMENT OF THE INTERIOR
JUL 25 1958
REGION III
DENVER, COLORADO

July 24, 1958

EXTRA COPY
DMEA
RECEIVED AUG 1 1958

DATE	INITIALS	CODE

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: E. O. Binyon
E. N. Harshman

Subject: DMEA Docket 4047 (Uranium), Contract Ium-1 343, Charles M. Coleman and Associates (Clyde, Marsh, and Longpore Groups), Fremont County, Wyoming

In a letter dated July 11, 1958, the operator requests the approval of 10 holes to be drilled under Stage VI of the subject contract. Pertinent data on the holes the operator requests to offset follows:

Hole No.	Mineralization eU3O8	Mineralization Depth	Proposed offsets Location	Proposed offsets Depth
2	0.080	168-184	250' N, S, W	360'
	0.150	172-178		
	0.008	332-337		
	0.010	341-349		
4	0.008	120-136	250' E, S, W	360'
7	0.080	106-110	250' N, S, E, W	360'
	0.020	115-118		

The slightly anomalous radioactivity in the 300-foot depth range in Hole No. 2 and the slightly anomalous radioactivity encountered at more shallow depth in holes Nos. 4 and 7 cannot be considered significant, and offsetting is not recommended. The anomalous radioactivity found in Hole No. 2 between the depths 168 to 184 feet is considered significant and three offset holes are recommended as follows:

Recommended Stage VI holes

Hole No.	Location	Depth
2 N	250 feet N hole No. 2	200 feet
2 S	250 feet S hole No. 2	200 "
2 W	250 feet W hole No. 2	200 "

E. O. Binyon, Mining Engineer

Original signed by
E. N. HARSHMAN
E. N. Harshman, Geologist

EHarshman:arh

224 New Customhouse
Denver 2, Colorado

July 28, 1958

Mr. Robert Ford
c/o Ford and Fox
206 S. Broadway
Riverton, Wyoming

Re: Docket No. DMEA 4047 (Uranium)
Contract No. Idm-E943
Charles M. Coleman and Associates
(Clyde, Marsh, and Longport groups
of claims) Fremont County, Wyoming

Dear Mr. Ford:

In reference to your letter dated July 11, 1958, with attached Stage VI work proposal, wherein you requested the Government's approval for the drilling of 10 holes under Stage VI; and consistent with the provisions of the contract pertaining thereto, this constitutes the Government's approval for the drilling of three (3) holes under the provisions of Stage VI of the contract, as follows: -

Approved Holes, Stage VI

Hole No.	Location	Depth
2 N	250 feet N hole No. 2	200 feet
2 S	250 feet S hole No. 2	200 "
2 W	250 feet W hole No. 2	200 "

The slight radioactivity encountered in the lower portion of Hole No. 2 and a slight radioactivity encountered in Holes Nos. 4 and 7 is not considered significant. Therefore, your request for offset holes to Holes Nos. 4 and 7, as well as for deeper drilling in the offset holes to Hole No. 2 is denied.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Very truly yours,
DMEA Field Team, Region III

By J. W. Townsend
J. W. Townsend
Alternate Acting Executive Officer

JDC:bh

cc: Chmn. Op. Comm.(3)
Finance Office, Reg.III
Amendment File, Reg.III
Harshman
DMEA/DFC (Binyon)
Corres. File, Reg.III
Cooper
Chron.

Audit Copy

EXPLORATION PROJECT CONTRACT
CHARLES H. COLEMAN ET AL.
DOCKET NO. DMEA 4047
CONTRACT NO. 14n-2943

AMENDMENT NO. 6

It is agreed this 27th day of May, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Charles H. Coleman et al., hereinafter called the "Operator," parties to that certain Exploration Project Contract No. 14n-2943, Docket No. DMEA 4047, dated April 11, 1956, as amended, hereinafter called the "Contract," that:

> The date fixed, in Amendment No. 5, item 1 (a), for the end of suspension of operations, is extended from June 1, 1958 to June 15, 1958.

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 the day and year first above written.

CHARLES H. COLEMAN
J. R. BRIDWELL
ALBERT W. BILLING
LEONARD H. CARMICHAEL
KINGSBOROUGH W. BILLING
MABEL H. CARMICHAEL

By Albert W. Billing
Albert W. Billing
Individually and as Attorney-in-Fact for the other above-named persons.

UNITED STATES OF AMERICA

By J. W. Fournival
Assistant Acting Executive Officer, DMEA Field Team, Region III

DMEA
RECEIVED JUN 12

MME Form 14
Sept. 1958

Contract No. Idm-E) 943
~~MMEX~~

Docket No. DMEA) 4047
~~MME)~~

Date of Action 11/24/58

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Terminated contract

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: **Charles M. Coleman, et al.**
139 N. Clark Street
Chicago 2, Illinois

Date of Contract	Region	State	Commodity
April 11, 1956	**III**	**Wyoming**	**Uranium**
	Reserve		Obligation
Prior Amount	0		21,417.37
Increase	0		0
Decrease	0		~~7,614.14~~
Revised Amount	0		13,803.23

Remarks:

cc: 800
210

43244

DMEA Form 14

Contract No. Idm-E943

Docket No. 4047

DEPARTMENT OF THE INTERIOR

Executed amendment

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
April 11, 1956	III	Wyoming	Uranium

Name and Address of Operator: Charles M. Coleman, et al.
139 N. Clark Street
Chicago 2, Illinois

	Reserve	Obligation
Prior Amount	7,680.37	13,737.00
Increase	0	7,680.37
Decrease	7,680.37	0
Revised Amount	0	21,417.37

Remarks:

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

(Title)

Date delivered to Bureau of Mines, Washington 5/27/58

22845

Audit copy

26

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN ET AL.
DOCKET NO. DMEA-4047

AMENDMENT NO. 5

It is agreed this 28th day of April, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Charles M. Coleman, et al., hereinafter called the "Operator," that Exploration Project Contract Idm-E943, Docket No. DMEA-4047, dated April 11, 1956, as amended, hereinafter called the "Contract," is further amended as follows:

1. (a) Work under the Contract shall be suspended during the period beginning August 23, 1957, and ending not later than June 1, 1958.

(b) The Government will not contribute to any costs incurred by the Operator during the period of suspension.

(c) The Operator, at its own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work and any property in which the Government has an interest.

2. The date fixed for the completion of the work in Article 3 of the Contract is further extended from September 1, 1957, to September 1, 1958.

3. The maximum royalty payment period specified in Article 8(b)(2) of the Contract is further extended from 11 years to 12 years.

4. In Article 5 of the Contract that portion preceding the colon is deleted and the following substituted:

"The estimated total allowable cost of the project, set forth in Exhibit 'A' is the sum of $35,518.50. The Government shall contribute 75 percent of the

allowable costs under Stages I, II, III, and IV, and 50 percent of the allowable costs under Stages V, VI, and VII, as they are incurred, in a total sum not in excess of $21,417.37."

5. In Exhibit "A," under Description of the Work:

(a) All work provided for in Stages I, II, III, and IV which has not been completed as of the date first above written is hereby canceled.

(b) New Stages V, VI, and VII are added as described below. The Operator shall complete Stage V and shall perform as much of Stages VI and VII as the Government approves in writing in advance.

The work under Stages V, VI, and VII is confined to the Clyde claim group described in Annex I and is designed to explore the entire upper Wind River formation by noncore, rotary drilling. The work shall be performed in accordance with the specifications described under General Provisions except as otherwise specified. The general location of the new work and of the work already completed on these claims is shown on the map entitled "Figure 6 - Map of Clyde Claim Group and Adjacent Claims, Showing Recommended Exploration, Fremont County, Wyoming," attached hereto and made a part hereof. No hole shall be drilled closer than 100 feet to the outer boundaries of these claims, and the Government shall not contribute to the cost of any incompleted drill hole. Drilling depths are expected to average 550 feet. No hole shall penetrate more than 10 feet into the lower Wind River formation.

Stage V

Prepare access roads and drill sites and drill 11 holes aggregating an estimated 6,050 feet at the locations shown on the map (Figure 6). The holes are in four north-south rows in the northern part of the claims. The rows are approximately 1,000 feet apart and the holes within each row are approximately 500 feet apart and staggered with respect to the holes in adjacent rows. If the 11 holes require more than 6,050 feet of drilling to reach the objective, the additional footage and funds required may, upon the

written approval of the Government, be transferred and deducted from Stage VII.

Stage VI

Prepare access roads and drill sites and drill 10 holes aggregating an estimated 5,500 feet as offsets to previously drilled holes which show favorable mineralization. The offset holes shall be drilled not closer than 250 feet to any previously drilled hole that reached the objective. If the 10 holes require more than 5,500 feet of drilling, the additional footage and funds required may, upon the written approval of the Government, be transferred and deducted from Stage VII.

Stage VII

Prepare access roads and drill sites and drill not more than 10 holes aggregating not more than 5,500 feet as offsets to previously drilled holes which show favorable mineralization. The offset holes shall be drilled not closer than 125 feet to any previously drilled hole that reached the target.

6. In Exhibit "A," under Estimated Cost of Project, Stages V, VI, and VII are added as follows:

Stage V 1/

Actual Costs

Category (1) Independent Contracts	
6,050 feet honcore drilling @ $0.95/ft.	$5,747.50
5 hours drill crew standby time @ $10/hr.	50.00
5 hours bulldozing @ $12.50/hr. including operator and all necessary costs	62.50
Categories (2) through (6) None	

Category (7) Miscellaneous, None except:

30 chemical analyses @ $3.50* each sample (See Amend.No.3) $105.00

$5,965.00

Fixed Unit Costs (See paragraph 6(d) of Amendment No. 3)

Incidental allowance 2/ for each foot of hole drilled, 6,050 feet @ $0.22/ft. $1,331.00

Estimated Total Cost of Stage V $7,296.00

Stage VI 1/

Actual Costs

Category (1) Independent Contracts

5,500 feet noncore drilling @ $0.95/ft.	$5,225.00
5 hours drill crew standby time @ $10 hr.	50.00
8 hours bulldozing @ $12.50/hr., including operator and all necessary costs	100.00

Categories (2) through (6)

None

Category (7) Miscellaneous, None except:

60 chemical analyses @ $3.50* each sample (See Amend. No. 3) $210.00

$5,585.00

Fixed Unit Costs (See paragraph 6(d) of Amendment No. 3)

Incidental allowance 2/ for each foot of hole drilled, 5,500 feet @ $0.22/ft.	$1,210.00	
Estimated Total Cost of Stage VI		$6,795.00

Stage VII 1/

Estimated costs of Stage VII are identical to those of Stage VI.

7. Delete the Summary and substitute the following:

SUMMARY OF COSTS

Estimated Cost of Stages I and II	$9,492.00	
Estimated Cost of Stages III and IV	11,547.40	$21,039.40
Contract Expenditures under Stages I and II	$6,770.00	
Contract Expenditures under Stages III and IV	7,862.50	14,632.50
Unobligated at date of Amendment No. 5		$6,406.90
Estimated Cost of Stage V	$7,296.00	
Estimated Cost of Stage VI	6,795.00	
Estimated Cost of Stage VII	6,795.00	20,886.00
Estimated Additional Cost of Amendment No. 5		$14,479.10

Estimated Total Cost of the Project		$35,518.50
Government Participation @ 75 percent under Stages I, II, III, and IV	$10,974.37	
Government Participation @ 50 percent under Stages V, VI, and VII	10,443.00	
Total Government Participation under the Project		$21,417.37

1/ Categories (2) through (6) of Article 6(a) do not apply to the costs of work under Stages V, VI, and VII.

2/ Includes all costs that might be allowable costs of the project under Categories (1) through (7) of Article 6(a), except as otherwise scheduled in Exhibit "A."

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

CHARLES M. COLEMAN
J. H. DEINERLY
ALBERT W. DILLING
LEONARD D. CARMICHAEL
KIRKPATRICK W. DILLING
MABEL E. CARMICHAEL

By Albert W. Dilling
Albert W. Dilling, individually
and as Attorney-in-Fact for
the other above-named persons

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4047
CONTRACT Idm-E 943

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

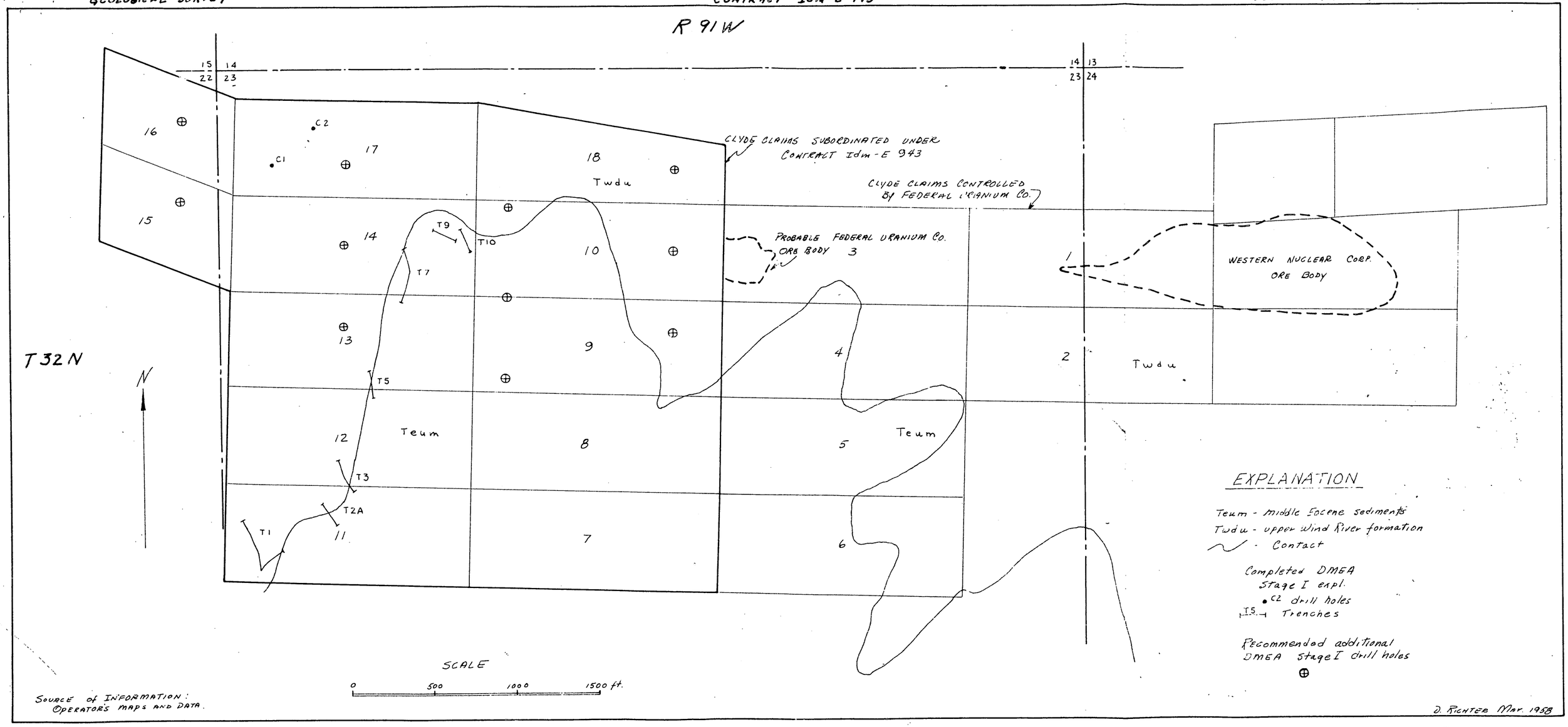


FIGURE 6 - MAP OF CLYDE CLAIM GROUP AND ADJACENT CLAIMS, SHOWING RECOMMENDED EXPLORATION, FREMONT COUNTY, WYOMING.

DMEA Form 14

Contract No. Idm-E 943

Docket No. ~~[illegible]~~ 1047
Approved amendment

DEPARTMENT OF THE INTERIOR

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
April 11, 1956	III	Wyoming	Uranium

Name and Address of Operator: Charles M. Coleman, et al.
139 N. Clark Street
Chicago 2, Illinois

	Reserve	Obligation
Prior Amount	0	13,737.00
Increase	7,680.37	0
Decrease	~~00~~	~~0~~
Revised Amount	7,680.37	13,737.00

Remarks:

(Name)

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

Date delivered to Bureau of Mines, Washington 4/29/58

22845

Audit Copy

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DMEA
RECEIVED AUG 16 1957

DATE	INITIAL	CODE

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN ET AL.
DOCKET NO. DMEA 4047
CONTRACT NO. IAm-2943

AMENDMENT NO. 4

It is agreed this 31st day of July, 1957 between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Charles M. Coleman et al., hereinafter called the "Operator," parties to that certain Exploration Project Contract No. IAm-2943, Docket No. DMEA 4047, dated April 11, 1956, hereinafter called the "Contract," that:

1. The date fixed in Article 3, on or before which the Operator shall complete the work, as amended by Amendment No. 3, is extended from August 1, 1957 to September 1, 1957.

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 the day and year first above written.

CHARLES M. COLEMAN
J. M. DEMERLY
ALBERT W. DILLING
LEONARD D. CARMICHAEL
KIRKPATRICK W. DILLING
MABEL M. CARMICHAEL

By Albert W. Dilling
Albert W. Dilling, individually
and as Attorney-In-Fact for
the other above-named persons

UNITED STATES OF AMERICA

By E. M. Hirschman
Acting Executive Officer, DMEA
Field Team, Region III

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

July 30, 1957

DMEA
DEPARTMENT OF THE INTERIOR
JUL 31 1957
REGION III
DENVER, COLORADO

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Dear Mr. King:

Mr. Albert W. Dilling, Attorney in Fact, for Charles M. Coleman and Associates of the above named contract, has asked that an extension of the completion date of Amendment No. 3 be applied for.

The current interest and resulting drilling has made it impossible to retain a drill contractor. The successful bidder on the Coleman contract will be unavailable until the middle of August.

We therefore ask that your office consider an extension from August 1, 1957 to September 1, 1957 for the completion date of the above named contract.

Very truly yours,

Robert Ford

RBF:ejb
Encl 5 copies
CC: Mr. Albert W. Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago, Illinois

EXTRA COPY
DMEA
RECEIVED 1957
DATE | CODE

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

July 30, 1957

DMEA
DEPARTMENT OF THE INTERIOR
JUL 31 1957
REGION III
DENVER, COLORADO

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Dear Mr. King:

Mr. Albert W. Dilling, Attorney in Fact, for Charles M. Coleman and Associates of the above named contract, has asked that an extension of the completion date of Amendment No. 3 be applied for.

The current interest and resulting drilling has made it impossible to retain a drill contractor. The successful bidder on the Coleman contract will be unavailable until the middle of August.

We therefore ask that your office consider an extension from August 1, 1957 to September 1, 1957 for the completion date of the above named contract.

Very truly yours,

RBF:sjb
Encl 5 copies
CC: Mr. Albert W. Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
139 North Clark Street
Chicago, Illinois

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DMEA
RECEIVED AUG 16 1957

DATE	INITIALS	CODE

EXTRA COPY DMEA		
RECEIVED 1957		
DATE	INITIALS	CODE
		300

224 New Customhouse
Denver 2, Colorado

August 14, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4047 (Uranium), Contract No. Idm-E943, Charles M. Coleman and Associates (Clyde, Maran, and Longport claim groups), Fremont County, Wyoming

Enclosed are the Government's and Audit copies of Amendment No. 4 to Contract No. Idm-E943, which has been executed to extend the date fixed on or before which the work shall be completed from August 1, 1957 to September 1, 1957.

Also enclosed are three copies of the Operator's letter of July 30, 1957, requesting the time extension.

Copies of the Amendment have been distributed to the Operator, the Finance Office, Region III, and to others concerned.

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures

JWT:prl

cc: Finance Office,
Region III - w/copy of Amendment No. 4.
Harshman) w/copy of Amendment No. 4
DMEA/DFC) and Operator's letter.
Corres. file)
Townsend
Chron.

EXTRA COPY DMEA RECEIVED JUL 15 1957		
DATE	INITIALS	CODE
		800

[illegible] New Customhouse
Denver 2, Colorado

July 8, 1957

Mr. Robert Ford
P. O. Box [illegible]
Riverton, Wyoming

Re: Docket No. DMEA 4047 (Uranium)
Contract No. Idm-[illegible]
Charles M. Coleman and Associates
(Clyde, Marsh, and Longport claim groups)
Fremont County, Wyoming

Dear Mr. Ford:

In reference to the request in your letter of June 18, 1957, and consistent with provisions in Amendment No. 3 pertaining to drilling under Stage IV of the Contract, the following twelve (12) offset holes are approved for drilling:

Claim Location of Hole	Stage III Hole to be Offset	Direction and Spacing of Stage IV Offset Holes	Depth Offset Holes are to be Drilled
Longport No. 1	3	North 150 feet	865 feet
		South 150 feet	865 feet
		East 150 feet	865 feet
		West 150 feet	865 feet
Longport No. 3	9	North 150 feet	855 feet
		South 150 feet	855 feet
		East 150 feet	855 feet
		West 150 feet	855 feet
Longport No. 5	13	North 150 feet	845 feet
		South 150 feet	845 feet
		East 150 feet	845 feet
		West 150 feet	845 feet
Total		12 holes	2,980 feet.

The locations of the Stage IV offset holes are shown on the map entitled, "Proposed Offset holes to Stage III mineralized holes, Charles M Coleman and Associates, Longpert claim, Fremont County, Wyoming, Docket 4047, Contract DMs-2943," which is attached hereto and made a part of this work approval.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Very truly yours,

DMEA Field Team, Region III

W. H. King

E. M. Hardman

Enclosure

cc: Mr. Albert W. Billing
Attorney in Fact
Charles M. Coleman and Associates
139 North Clark Street
Chicago, Illinois

JWT:prl

cc: Chan.Op.Comm.-3
Finance Office, Reg. III
Amendment file, Reg. III
Harshman
DMEA/DPC
Townsend
Corres. file
Chron.

ROBERT FORD
MINING GEOLOGIST

P.O. BOX 428

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

BLAKE FOX
PETROLEUM GEOLOGIST

WHK
HMC
FILE-3468

June 18, 1957

EXTRA COPY
D M E A
RECEIVED JUL 15 1957
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR
JUN 20 1957
REGION III
DENVER, COLORADO

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-E 943
Docket No. DMEA 4047
Charles M. Coleman and Associates

Dear Mr. King:

Enclosed is the original and four copies of proposals and recommendations for continuance of the above named contract, Stage IV drilling.

The proposed drilling totals 5,860 feet in 20 offset drill holes. These holes are located to penetrate the mineralized-carbonaceous zone.

Your prompt attention to this recommended additional drilling will be appreciated.

Very truly yours,

Robert Ford

RBF:hlm
CC: Albert W. Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
139 North Park Street
Chicago, Illinois

ROBERT FORD
MINING GEOLOGIST

BLAKE FOX
PETROLEUM GEOLOGIST

FORD & FOX
Consulting Geologists
206 S. BROADWAY
RIVERTON, WYOMING

P.O. BOX 428

UL6-3468

DEPARTMENT OF THE INTERIOR
JUN 20 1957
REGION III
DENVER, COLORADO

June 18, 1957

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver, Colorado

Re: Contract No. Idm-E 943
Docket No. DMEA 4247
Charles M. Coleman and Associates

Dear Mr. King:

The following proposals and recommendations for Stage IV drilling are made in accordance with Amendment No. 3 of the above named contract.

The progress report for the period ending June 15, also the completion of the Stage III drilling, was submitted on June 17, 1957. The June 15 report and the progress report for the period ending May 31,1957 contained drill logs, assay data, drill hole location maps, and geological cross sections of 4620 feet of DMEA authorized Stage III drilling under Amendment No. 3 of the above named contract.

Stage III drilling on the Longport claims located the upper-lower Wind River formation contact. The drilling showed significant mineralization in holes No. 5, 6, 9, 11, 12 and 13. The geologic cross sections enclosed show the zones of mineralization as encountered in all the drill holes. Also, zones of conspicuous carbonaceous material that correlate well. The upper-lower Wind River contact is shown as a dashed line. Holes No. 1 and 7 did not cut the lower Wind River formation; therefore, a fault is inferred running east-west on the northern end of the Longport claim group.

The writer recommends that the DMEA authorize twenty (20) offset drill holes totaling 5,860 feet. Stage III drill holes 5, 6, 9, 11 and 12 are shown on the drill hole location map as being offset by four drill holes of the proposed Stage IV drilling. The north-south offset holes are shown on the enclosed geologic cross-sections as dashed lines with the recommended depth. The depth of offset holes are given to intersect both the mineralized and carbonaceous zones.

Consistant with the government contract provisions, and with reference to the May 31 and June 15 progress reports including substantiating data on drill hole mineralization, the following offset holes are justified. The writer refers you to the attached maps showing the mineralized zone and the proposed offset drill holes.

Holes to be Offset	Direction of Offset Holes	Number of Offset Holes	Depth of Offset Holes	Offset Designation	Total Footage
3	N	4	270	3N	270
	S,E,W		280	3S	840
			"	3E	
			"	3W	
6	N,S,E,W	4	300	6N	1300
			"	6S	
			"	6E	
			"	6W	
9	N	4	240	9N	240
	S,E,W		250	9S	750
			"	9E	
			"	9W	
11	N	4	315	11N	315
	E,W		320	11E	640
			"	11W	
	S		325	11S	325
12	N,S,E,W	4	320	12N	1280
			"	12S	
			"	12E	
			"	12W	
	TOTALS	20			5,860

Very truly yours,

RBF:blm

CC: Albert Dilling
Attorney in Fact
Charles M. Coleman and Associates
c/o Dilling and Dilling
Attorneys at Law
100 North Park Street
Chicago, Illinois

DMEA Form 14

Contract No. Idm-E 943

Docket No. 4047

DEPARTMENT OF THE INTERIOR

Executed amendment

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
April 11, 1956	III	Wyoming	Uranium

Name and Address of Operator: Charles M. Coldman,& Associates
139 N. Clark Street
Chicago 2, Illinois

	Reserve	Obligation
Prior Amount	$6,618	$7,119
Increase	0	$6,618
Decrease	$6,618	0
Revised Amount	0	$13,737

Remarks:

ALLEN S. DAKAN
(Name)

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

Date Delivered to Bureau of Mines, Washington 5/17/57

16416

Audit Copy

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 16 1957
DATE | INITIALS | CODE
800

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN ET AL.
DOCKET NO. DMEA-4047

AMENDMENT NO. 3

It is agreed this 19th day of April, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration (hereinafter called the "Government"), and Charles Coleman et al. (hereinafter called the "Operator"), that Exploration Project Contract Idm-2943, Docket No. DMEA-4047, dated April 11, 1956, as amended (hereinafter called the "Contract"), is further amended as follows:

1. The date for completion of the work as extended by Amendment No. 2 to October 15, 1956, is further extended to August 1, 1957.

2. In Article 8(b) of the Contract, the period fixed for royalty payments and liens to secure the payment thereof is extended from ten years to eleven years.

3. In Article 5 of the Contract, the figures "$18,316.00" and "$13,737.00" are substituted for the figures "$9,492.00" and "$7,119.00," respectively.

4. In Exhibit "A", under Description of the Work:

(A) All work provided for in Stages I and II which has not been completed as of the date first above written is hereby cancelled.

(B) New Stages III and IV as described below are added. The Operator shall complete Stage III, and shall, either after completion of Stage III or concurrently, perform as much of Stage IV as the Government approves in writing.

"Stage III

"Stage III consists of: (a) Rotary drilling 13 holes (non-core), aggregating not more than 4,500 feet, to the depths shown beside each hole location marked X on the attached map entitled 'Figure 2. Location of Stage I holes and proposed Stage III holes, Longport claims.' These holes shall be spaced not less than 500 feet apart.

"(b) Rotary drilling 3 holes (non-core), each to a depth of 40 feet, at the locations marked X on the attached map entitled 'Marsh Claim Group, Secs. 32 & 33, T 33 N, R 90 W, Fremont County, Wyoming.' These holes shall be not less than 50 feet from Hole M-11 shown on this map.

"Stage IV

"Stage IV consists of rotary drilling (non-core) not more than 20 holes as approved by the Government, aggregating not more than 6,000 feet. These holes shall be drilled as offsets to holes drilled under Stage III which penetrated significant uranium mineralization on the Longport claims, but not more than four holes, spaced not closer than 150 feet, shall be drilled as offsets to any one Stage III hole."

(6) The General Provisions respecting drilling, sampling, assaying, and bulldozing shall apply to Stages III and IV. In addition, none of the holes drilled under Stage III or Stage IV shall be drilled closer than 100 feet to the outside boundary of the land described in Article 2; and no payment will be made for an incompleted hole.

5. In Exhibit "A", under the heading Estimated Cost of the Project, the Summary at the end of the estimate is deleted, and the following estimates and Summary are added:

"Estimated Costs of Additional Work
(In addition to the maximums set forth in the Contract form, an asterisk indicates a maximum.)

"Stage III

Actual Costs

Category (1) Independent Contracts

4 hours of actual operation time, tractor w/dozer, including operator and all necessary costs @ $12.50/hr.	$ 50.00	
4,620 feet of drilling @ $0.80/ft.	3,696.00	
8 hours stand-by time for hole probing @ $10.00/hr.	80.00	
Categories (2) through (6)	None	
Category (7) Miscellaneous (The only item of cost allowable under this category is sample analyses)		
50 sample analyses @ $3.50*/each sample	175.00	$ 4,001.00

Fixed Unit Costs (See paragraph 6 of this Amendment)

Incidental allowance[1]/ for each foot of drilling completed 4,620 feet @ $0.22/ft.	$ 1,016.40	
Estimated Total Cost, Stage III		$ 5,017.40

Stage IV

Actual Costs

Category (1) Independent Contracts

8 hours of actual operation time, tractor w/dozer, including operator and all necessary costs @ $12.50/hr.	100.00	
6,000 feet drilling @ $0.80/ft.	4,800.00	
10 hours stand-by time for hole probing @ $10.00/hr.	100.00	
Categories (2) through (6) None		
Category (7) Miscellaneous (The only item of cost allowable under this category is sample analyses)		
60 sample analyses @ $3.50*/each sample	210.00	5,210.00

Fixed Unit Costs (See paragraph 6 of this Amendment)

Incidental allowance [1]/ for each foot of drilling completed 6,000 feet @ $0.22/ft.		1,320.00
Estimated Total Cost, Stage IV		$ 6,530.00

S U M M A R Y

Estimated Total Cost Stage III	$ 5,017.40
Estimated Total Cost Stage IV	6,530.00
	$11,547.40

Estimated Cost Stages I and II (original contract)		$ 9,492.00
Contract expenditures to date	$ 6,770.00	
Amount unobligated at date of Amendment No. 3	3,721.00	
Estimated total additions to project cost of Amendment No. 3		8,825.40
Estimated Total Cost of Project (rounded)		$18,316.00
Government Participation @ 75%		$13,737.00

1/ Includes all costs that might otherwise be allowable costs of the project under Categories (1) through (6) of Article 6(a), except as otherwise scheduled in Exhibit "A".

6. (a) That part of the last sentence of Article 3 of the Contract beginning with the word "either" is deleted and replaced by the words "have completed the work, except as otherwise provided in Exhibit 'A' with respect to stages of work."

(b) That part of the last sentence in the first paragraph of Article 6(a) of the Contract commencing after the semicolon is deleted.

(c) Categories (2) through (6) do not apply to the costs of work under Stages III and IV.

(d) In addition to the costs of work estimated in Exhibit "A" by categories of actual costs, the costs of work requirements specified in Exhibit "A" as "Fixed Unit Costs" are allowable costs of the project. The Government will contribute to the fixed unit costs as work units are performed. A "Fixed Unit Cost" is an agreed price for each unit of work to be performed regardless of costs incurred by the Operator. Costs set forth in Exhibit "A" include all allowable costs of the work to be performed under the contract.

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

(f) 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.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mitchendorf
Administrator, Defense Minerals
Exploration Administration

CHARLES M. COLEMAN
J. H. DEIMERLY
ALBERT W. DILLING
LEONARD D. CARMICHAEL
KIRKPATRICK W. DILLING
MABEL E. CARMICHAEL

By Albert W. Dilling
Albert W. Dilling, individually
and as Attorney-in-Fact for
the other above-named persons

April 17, 1957

Memorandum

To: Chairman, Operating Committee

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

Subject: Docket No. DMEA-4047 (Uranium), Contract No. Idm-E943
Charles M. Coleman and Associates
Clyde, Marsh, and Longpert Claim Groups
Fremont County, Wyoming

I am forwarding this proposed amendment to the Operating Committee with the following comments.

Item 4 (a) on page 1 states that all work provided for in Stages I and II which has not been completed as of the date first above written is hereby cancelled. It is my understanding that the work was supposed to be completed by October 15, 1956. If not, it appears that a more definite time should be given.

Under Stage III, item (b), the specifications say that 3 drill holes, each to a depth of 40 feet, etc... I would think that the 40 feet should be modified by "approximately".

The summary of this proposed amendment is rather awkwardly stated. The second part in my opinion should be stated as follows:

Cost Stages I and II (subject to audit)	$ 6,770.00
Estimated Cost Stages III and IV	11,547.40
Estimated Total Cost of Project (rounded)	$18,316.00
Government Participation @ 75 percent	$14,737.00

Attachment

JLChambers/wb
April 17, 1957

Copy to: Docket
Admr. Reading File
Mr. Chambers

Contract No. Idm-E 943

Docket No. 4047

DEPARTMENT OF THE INTERIOR

Approved amendment

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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
April 11, 1956	III	Wyoming	Uranium

Name and Address of Operator: Charles M. Coleman & Associates
139 N. Clark Street
Chicago 2, Illinois

	Reserve	Obligation
Prior Amount	0	$7,119
Increase	$6,618	0
Decrease	0	0
Revised Amount	$6,618	$7,119

Remarks:

ALLEN S. DAKAN
(Name)

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

Date Delivered to Bureau of Mines, Washington 4/22/57

989

RECEIVED
OCT - 3 1956

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN AND OTHERS
DOCKET NO. DMEA 4047
CONTRACT NO. Idm-E 943

AMENDMENT NO. 2

It is agreed this 25th day of September, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Charles M. Coleman and Others, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E943, Docket No. DMEA 4047, dated April 11, 1956, hereinafter called the "Contract," that the Contract is amended as follows:

1. The date fixed by Amendment No. 1 for completion of the project work is extended from October 1, 1956, to October 15, 1956.

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, nor any item of allowable cost which is expressly designated "maximum."

Executed in sextuplicate the day and year first above written.

UNITED STATES OF AMERICA

By W. M. Traver
W. M. Traver
Executive Officer, DMEA
Field Team, Region III

CHARLES M. COLEMAN
J. H. DEIMERLY
ALBERT W. DILLING
LEONARD D. CARMICHAEL
KIRKPATRICT W. DILLING
MABEL E. CARMICHAEL

By Albert W. Dilling
Albert W. Dilling,
Individually and as
Attorney in Fact for Other
Above Named Persons.

Offices of Law
Chicago 2

Albert W. Dilling
Kirkpatrick W. Dilling

Telephone
Central 6-6417

September 22, 1956

RECEIVED
OCT - 3 1956

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

Re: Contract [redacted]

Dear Mr. Traver:

Confirming my telegram of yesterday, work on Stage II of the above project will commence on Monday, September 24th. I regret that this commencement has been delayed by circumstances beyond my control.

As noted in my telegram, we would appreciate very much having the completion date of the Stage II work extended to and including October 15, in case difficulties, now unforeseen, should develop between now and October 1st, the present completion date.

Yours very truly,

Albert W. Dilling

AWD: hs

x Read what has transpired since you left 2 wks. ago

Government's Copy

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN AND OTHERS
DOCKET NO. DMEA-4047

Amendment No. 1

It is agreed this 10th day of August, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Charles Coleman and Others that Exploration Project Contract Idm-E943, Docket No. DMEA-4047, dated April 11, 1956, is amended effective July 15, 1956, as follows:

1. The date for completion of the work described in the Contract is extended from August 1, 1956, to October 1, 1956.

2. In Exhibit "A" on page 2, all of Stage II is deleted and the following Stage II work is added in lieu thereof.

Stage II

Stage II consists of the following drilling work on the Marsh Group of claims:

(a) Holes Nos. 1, 2, 3, and 4 shall be drilled to an approximate depth of 200 feet each.

(b) Holes 6, 7, 8, 9, and 10 shall be drilled to an approximate depth of 280 feet each.

(c) Either Hole No. M-1 shall be deepened to an approximate depth of 280 feet or Drill Hole No. 5 shall be drilled to an approximate depth of 280 feet.

The locations of the eleven holes are shown on the map entitled "Marsh Group secs. 32 and 33, T. 33 N., R. 90 W., Fremont County, Wyoming," attached hereto and made a part hereof. The total drilling footage under this Stage II shall not exceed 2,500 feet.

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

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

Charles M. Coleman

J. H. Deimerly

Albert W. Dilling

Leonard D. Carmichael

Kirkpatrick W. Dilling

Mabel E. Carmichael

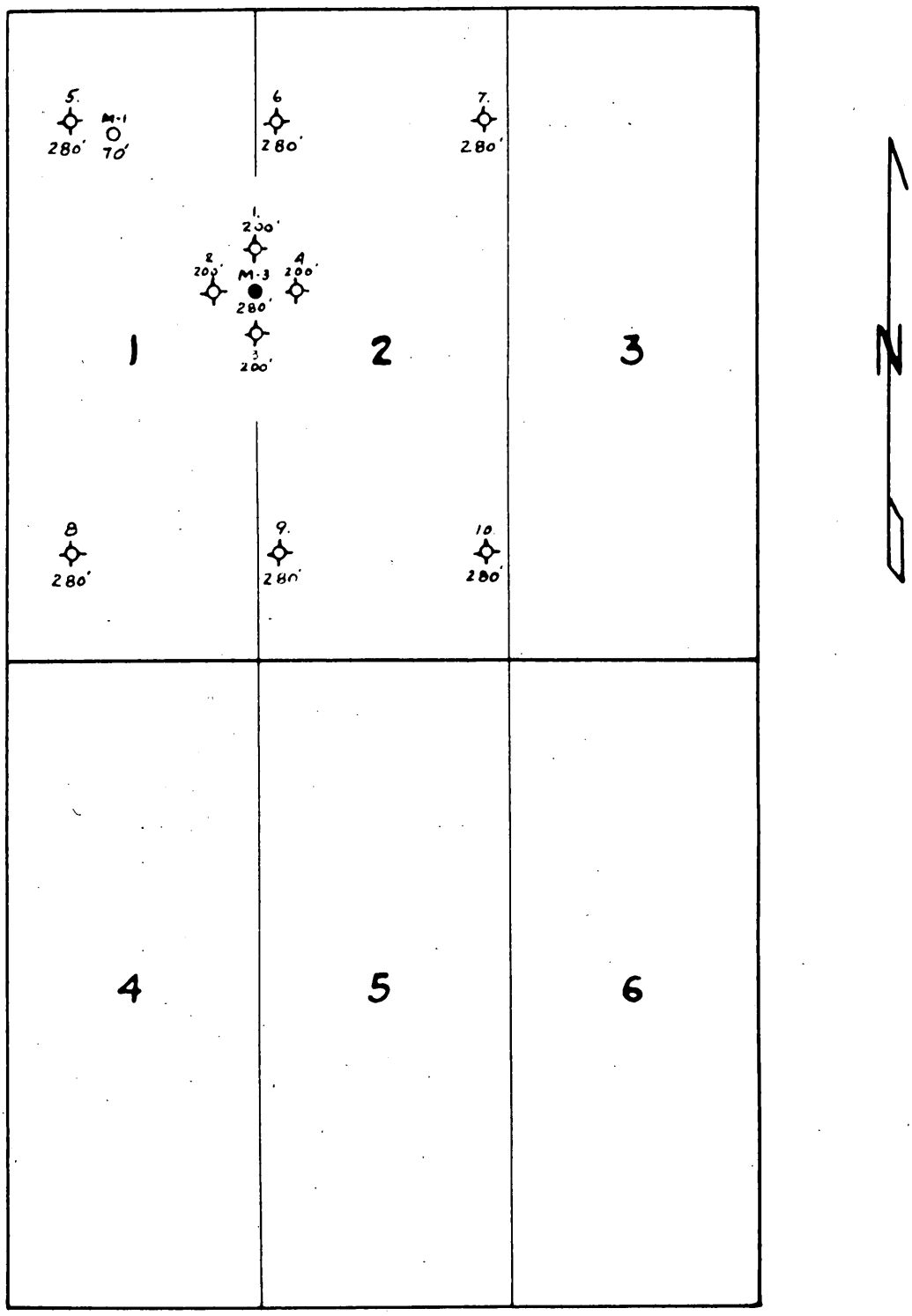
By _____
Albert W. Dilling, individually
and as Attorney in Fact for
other above-named persons

DMEA 4047

MARSH GROUP

Secs. 32 & 33, T33N, R90W

Fremont County, Wyoming



Stage I holes drilled

- ● Ore grade mineralization
- ○ Mineralization below ore grade
- ○ Not mineralized

Stage II holes recommended

2.
200'

1" = 400'

7-5-56

CHARLES M. COLEMAN and ASSOCIATES Idm E943 DMEA 4047

Contract No. Idm-E 943

Docket No. DMEA-4047

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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
April 11, 1956	III	Wyoming	Uranium

Name and Address of Operator: Charles M. Coleman & Associates (Charles M. Coleman et al.)
139 N. Clark Street
Chicago 2, Illinois

	Reserve	Obligation
Prior Amount	$7,119.00	
Increase		$7,119.00
Decrease	$7,119.00	
Revised Amount	-0-	$7,119.00

Remarks:

(Name)
R. E. Adams, Chief
Operations Control and
Statistics Division
(Title)

Date Delivered to Bureau of Mines, Washington 5/7/56

98963

Government's Copy

RECEIVED
MAY 4 - 1956

MF-200
(Revised June 1954)

Docket No. DMEA 4047

Commodity Uranium

Contract No. Idm-E[illegible] 943

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

EXPLORATION PROJECT CONTRACT[1]

It is agreed this APR 1 1 1956 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] Charles M. Coleman, J. H. Deimerly, Albert W. Dilling, Leonard D. Carmichael, Kirkpatrick W. Dilling, and Mabel E. Carmichael, [redacted],

whose mailing address is 139 N. Clark Street
Chicago 2, Illinois,
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 two maps, Figure 2 and Figure 3.

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 Wyoming, County of Fremont, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] owner of [5] entire interest in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] three deeds, [7] recorded in Book 112, pages 178, 180 & 183, 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: 6 percent overriding royalty interest

(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: Subordination Agreements of Irving L. Marshack, Don Londer, Robert W. Utter, and Charles Lesnick

(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 May 11, 1956, shall commence the work, and on or before August 1, 1956 (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 $9,492.00. The Government shall contribute 75 percent of the allowable costs as they are incurred in a total sum not in excess of $7,119.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

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

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

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

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

CATEGORY (2)—PERSONAL SERVICES.

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

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

Subcategory (c)—Labor.

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

CATEGORY (4)—OPERATING EQUIPMENT.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.*—

Executed in sextuplicate the day and year first above written.

Charles M. Coleman [redacted]
Charles M. Coleman

J. H. Deimerly [redacted]
J. H. Deimerly

Gilbert W. Dilling [redacted]
Gilbert W. Dilling (Operator)

By Kirkpatrick W. Dilling [redacted]
Kirkpatrick W. Dilling

Leonard D. Carmichael [redacted]
Leonard D. Carmichael

Mabel E. Carmichael [redacted]
Mabel E. Carmichael

THE UNITED STATES OF AMERICA

By O. Mitteudorf
Administrator, Defense Minerals
Exploration Administration

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

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70617-1

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN, J. H. DEIMERLY, ALBERT W. DILLING
LEONARD D. CARMICHAEL, KIRKPATRICK W. DILLING, AND MABEL E. CARMICHAEL, [redacted]
DOCKET NO. DMEA-4047

EXHIBIT "A"

Description of the Work

General Provisions

The purpose of the work is to explore for uranium-bearing ore in areas of radiometric anomaly by trenching and drilling from the surface.

The Operator, with a Model D-7 Caterpillar tractor with dozer or equivalent size unit, shall prepare access roads to drill sites and also the drill sites.

All holes shall be drilled with a rotary drill with a non-coring bit. All trenches shall be excavated with a Model D-7 Caterpillar tractor with dozer, or equivalent size unit.

The work shall be performed in two stages as described below. The Operator shall complete Stage I, and shall, either after completion of Stage I or concurrently, perform as much of Stage II as the Government approves in writing.

The diameter of all drill holes, the location, depth and extent of all trenching, the method of all sampling and sample determinations, and the method of recovering drill cuttings are subject to the approval of the Government.

All drill cuttings shall be recovered by a Duclone, or similar type dust collector, at drilling intervals subject to the approval of the Government. All samples or drill cuttings, except those containing visible mineralization, are to be labeled and stored pending Government examination, and may after such examination and if the Government consents be discarded by the Operator. All radioactive drill cuttings and trench exposures which show visible uranium mineralization shall be sampled. The samples shall be split into two halves, one-half shall be analyzed chemically for U_3O_8 and the other half shall be furnished to the Government. Not more than 100 samples shall be analyzed chemically for Stage I and not more than 100 samples analyzed chemically for Stage II.

All drill holes shall be probed radiometrically and four copies of each log furnished to the Government.

The project shall be directed by a geologist approved by the Government, who shall be employed on a full-time basis, do the required surveying, mapping, sampling, and prepare all reports required under this Contract.

Stage I

Stage I consists of drilling not more than 27 holes aggregating not more than 1,960 feet of hole and excavating not more than 13 trenches aggregating not more than 4,100 feet in length. The location and depth that each hole shall be drilled, and the approximate location and extent that each trench shall be excavated, are shown on the map entitled "Figure 3 - Location Map of Stage I Exploration, Clyde, Marsh and Longport Claims, Charles M. Coleman and Associates, Fremont County, Wyo. DMEA 4047," attached hereto and made a part hereof.

Stage II

Stage II consists of drilling an aggregate of not more than 2,500 feet of holes at locations that have the prior approval of the Government. These holes shall be spaced as follows:

1. Not closer than 100 feet back from the edge of the promontory where ore-grade mineralization is exposed by Stage I trenching;

2. Not more than four holes spaced not closer than 100 feet from any Stage I hole that penetrated ore-grade mineralization; and

3. None of the above holes shall be drilled closer than 100 feet to the outside boundary of the property.

The maximum depth that holes shall be drilled is as follows:

Clyde Claim Group	120 feet
March Claim Group	120 feet
Longport Claim Group	50 feet

Estimated Cost of Project

(In addition to maximum set forth in Article 6, an asterisk indicates maximum.)

Stage I

Actual Costs

Category (1) Independent Contracts

92 hours of actual operation time, tractor with dozer, including operator and all necessary costs @ $13.00/hr. $1,196.00

1,960 feet of drilling @ $1.00/ft.	$1,960.00	$3,156.00
Category (2) Personal Services		
Subcategories (a) and (b) Supervision and Technical Services		
1 Supervising Geologist @ $600/mo., 1 month	$600.00	
1 Sampler @ $1.75/hr. plus time and one-half rate over 40 hrs./wk. worked	392.00	
Subcategory (c) Labor		
None		992.00
Category (3) Operating Materials and Supplies		
Sample containers		3.00
Category (4) Operating Equipment		
Subcategory (a) Rental		
1 Pickup truck or automobile @ $0.10* per mile, 700 miles	70.00	
Subcategory (b) Purchases		
None		
Subcategory (c) Depreciation		
None		70.00
Category (5) Rehabilitation and Repairs		
None		
Category (6) New Buildings, Improvements, Installations		
None		
Category (7) Miscellaneous		
Radiometric hole logging 1,960 feet @ $0.10*/ft.	196.00	
Payroll taxes and insurance	28.00	
Accounting	42.00	
100 Chemical analyses @ $5.00* each sample including freight and/or postage	500.00	766.00
Estimated Total Cost of Stage I		$4,987.00

Stage II

Actual Costs

Category (1) Independent Contracts		
22 hours of actual operation time, tractor with dozer, including operator and all necessary costs @ $13.00/hr.	$ 286.00	
2,500 feet of drilling @ $1.00/ft.	2,500.00	$2,786.00
Category (2) Personal Services		
Subcategories (a) and (b) Supervision and Technical Services		
1 Supervising Geologist @ $600/mo. 5/6 month	500.00	
1 Sampler @ $1.75/hr. plus time and one-half rate over 40 hrs./wk worked	325.00	
Subcategory (c) Labor		
None		825.00
Category (3) Operating Materials and Supplies		
Sample containers		3.00
Category (4) Operating Equipment		
Subcategory (a) Rental		
1 Pickup truck or automobile @ $0.10* per mile, 700 miles	70.00	
Subcategory (b) Purchases		
None		
Subcategory (c) Depreciation		
None		70.00
Category (5) Rehabilitation and Repairs		
None		
Category (6) New Buildings, Improvements, Installations		
None		
Category (7) Miscellaneous		
Radiometric hole logging 2,500 feet @ $0.10*/ft.	250.00	

Payroll taxes and insurance	$ 28.00		
Accounting	42.00		
100 chemical analyses @ $5.00* each sample including freight and/or postage	500.00	$ 820.00	
Estimated Total Cost of Stage II			$4,504.00

S U M M A R Y

Estimated Total Cost of Stage I	$4,987.00
Estimated Total Cost of Stage II	4,504.00
Estimated Total Cost of Project (rounded to)	$9,492.00
Government Participation @ 75%	$7,119.00

EXPLORATION PROJECT CONTRACT
CHARLES M. COLEMAN, J. H. DEIMERLY, ALBERT W. DILLING
LEONARD D. CARMICHAEL, KIRKPATRICK W. DILLING, AND MABEL E. CARMICHAEL, [redacted]
DOCKET NO. DMEA-4047

ANNEX I

The land referred to in Article 2 of the Contract consists of 23 unpatented lode mining claims known as the Clyde, Marsh and Longport Groups, situated in Fremont County, Wyoming, as follows:

Clyde Group	- 12 claims in secs. 15, 22 and 23, T. 32 N., R. 91 W., 6th P.M.
Marsh Group	- 6 claims in secs. 32 and 33, T. 33 N., R. 90 W., 6th P.M.
Longport Group	- 5 claims in secs. 27 and 34, T. 33 N., R. 90 W., 6th P.M.

Notices of location of the foregoing groups of claims are recorded in the Office of the Recorder of Fremont County at Lander, Wyoming, as follows:

Claim	Book No.	Page No.	Amended Notices of Location Book	Page
Clyde No. 7	78	474		
Clyde No. 8	78	475		
Clyde No. 9	78	476		
Clyde No. 10	78	477		
Clyde No. 11	78	478		272
Clyde No. 12	78	479	86	thru
Clyde No. 13	78	480		277
Clyde No. 14	78	481		
Clyde No. 15	78	482		
Clyde No. 16	78	483		
Clyde No. 17	86	278		
Clyde No. 18	86	279		
Marsh No. 1	59	418		
Marsh No. 2	59	419		264
Marsh No. 3	59	420	86	thru
Marsh No. 4	59	421		269
Marsh No. 5	59	422		
Marsh No. 6	59	423		

Claim	Book No.	Page No.		Amended Notices of Location Book	Page
Longport No. 1	59	413	(		
Longport No. 2	59	414	(		280
Longport No. 3	59	415	(	86	thru
Longport No. 4	59	416	(		284
Longport No. 5	59	417	(		

These claims are shown on the map entitled, "Fig. 2 Exploration Map Showing Geology, Locations of Clyde, Longport, Marsh, and Prince Claim Groups, Charles M. Coleman and Associates, Fremont Co., Wyo. DMEA 4047," attached hereto and made a part hereof.

MF-201
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator CHAS. M. COLEMAN & ASSOCS.
Docket No. DMEA- 4047
Contract No. Idm-E
Contract Date

SUBORDINATION AGREEMENT

To the United States of America:

Referring to that certain land in the County of Fremont, State of Wyoming, described as follows:1/

Unpatented lode mining claims located in Secs. 27 and 34, T. 32 N., R. 90 W. known as the Longport Group of claims Nos. 1-5 inclusive, notices of location recorded in Book 59, Pages 413 thru 417; amended notices of location recorded in Book 86, Pages 280 thru 284 in the official records of said county.

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

1. Subordinates whatever right, claim, lien or encumbrance the undersigned may have in or against the land to whatever interests, equities, and rights the Government may acquire under the contract (a) with respect to purchased property in or upon the land to the cost of which it has contributed, including the right to dismantle, sever, and remove it from the land; and (b) with respect to a percentage royalty on production from the land and a lien to secure the payment thereof; and

2. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Subordination Agreement; and (b) to give advance notice of this Subordination Agreement to any transferee of the right, claim, lien, or encumbrance hereby subordinated; and

3. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Subordination Agreement shall extend and apply thereto.

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

(OVER)

Dated this 11th day of April, 1956.

Irving L. Marshack [Seal] Charles Lesnick (Seal)

Charles Lesnick

Don Londer [Seal]

Robert W. Utter [Seal]

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

_____

[Corporate Seal]

MF-201
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator CHAS. M. COLEMAN & ASSOCS.
Docket No. DMEA- 4047
Contract No. Idm-E
Contract Date

SUBORDINATION AGREEMENT

To the United States of America:

Referring to that certain land in the County of Fremont, State of Wyoming, described as follows:1/

Unpatented lode mining claims recorded in the official records of said county and further described in Annex II which is attached hereto and made a part hereof.

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

1. Subordinates whatever right, claim, lien or encumbrance the undersigned may have in or against the land to whatever interests, equities, and rights the Government may acquire under the contract (a) with respect to purchased property in or upon the land to the cost of which it has contributed, including the right to dismantle, sever, and remove it from the land; and (b) with respect to a percentage royalty on production from the land and a lien to secure the payment thereof; and

2. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Subordination Agreement; and (b) to give advance notice of this Subordination Agreement to any transferee of the right, claim, lien, or encumbrance hereby subordinated; and

3. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Subordination Agreement shall extend and apply thereto.

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

(OVER)

Dated this 26th day of March, 1956.

Irving L. Marshack [Seal]

Irving L. Marshack

_____ [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

ANNEX II

Claims	Notices of Location Book	Notices of Location Page	Amended Notices of Location Book	Amended Notices of Location Page
Clyde Group of claims Nos. 7-18 inclusive, located in Secs. 15, 22, 23, and 24, T. 32 N., R. 91 W.	78 86	474 thru 483 278 and 279	86	272 thru 277
Marsh Group of claims Nos. 1-6 inclusive, located in Secs. 32 and 33, T. 32 N., R. 90 W.	59	418 thru 423	86	264 thru 269

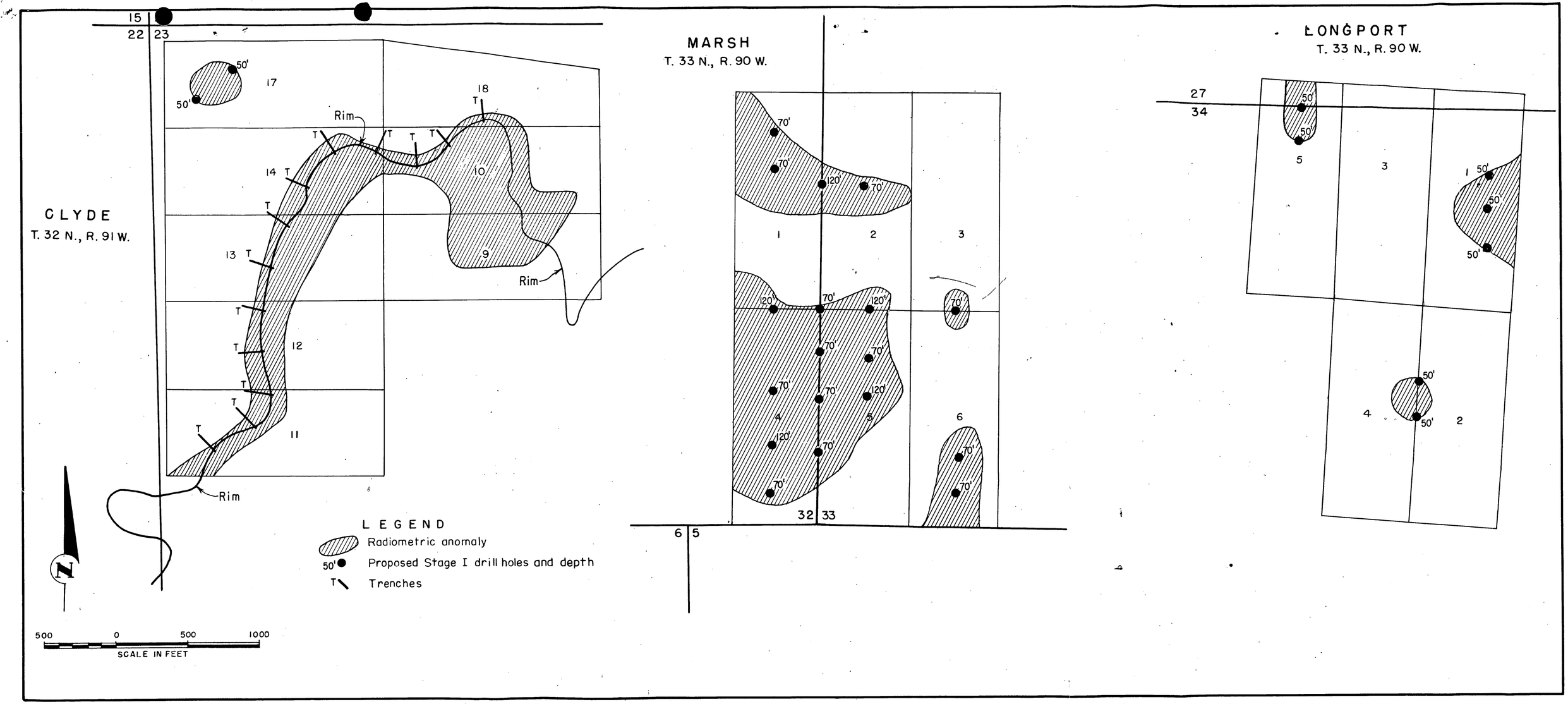


FIGURE 3 - LOCATION MAP OF STAGE I EXPLORATION, CLYDE, MARSH AND LONGPORT CLAIMS, CHARLES M. COLEMAN AND ASSOCIATES, FREMONT COUNTY, WYO. DMEA 4047

DILLING AND DILLING
ATTORNEYS AT LAW
139 NORTH CLARK STREET
CHICAGO 2

ALBERT W. DILLING
KIRKPATRICK W. DILLING

TELEPHONE
CENTRAL 6-8417

DMEA
Date Rec'd.
MAY 2 1956
BUREAU OF MINES
Denver, Colorado

May 1, 1956

Honorable W. M. Traver
Executive Officer, DMEA
Field Team, Region III
United States Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 4047 (Uranium), Clyde, Marsh, and Longport claim groups, Fremont County, Wyoming
Contract Idm-E943

RECEIVED
MAY 4 - 1956

Dear Sir:

Herewith transmitted are the five copies of the above contract forwarded to us with your letter dated April 17, 1956, each copy having been executed by the six persons involved.

Also herewith transmitted are an original and five copies, each executed, of a power of attorney designating the undersigned to act for the persons involved in regard to said contract.

You will note that the word "partner" has been eliminated on the copies of the contract, and in connection with the power of attorney, since the six persons in question are not, and have not been, partners.

On April 20th, Mr. Indritz, Interior Department, Washington, D. C., who drew up the contract, approved the elimination of words denoting a partnership, in a telephone conversation had with him on that date.

Very truly yours,

Albert W. Dilling

Albert W. Dilling

AWD: hs

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS

That J. H. DEIMERLY (of Rockford, Winnebago County, Illinois), CHARLES M. COLEMAN (of Chicago, Cook County, Illinois), KIRKPATRICK W. DILLING (of Northbrook, Cook County, Illinois), and LEONARD D. CARMICHAEL and MABEL E. CARMICHAEL (of Rochelle, Ogle County, Illinois) have made, constituted and appointed, and BY THESE PRESENTS do make, constitute and appoint ALBERT W. DILLING, 139 North Clark Street, Chicago, Illinois, their true and lawful ATTORNEY for them and in their names, place and stead to act as the agent of the said persons in all matters connected with the United States Department of the Interior, Defense Minerals Exploration Administration, Contract Idm-E943, Docket No. DMEA 4047, and in behalf of said persons to submit to the Government all necessary reports and information required under said Contract; and said Agent is authorized to receive, individually, and to receipt for, any monies that are now or may hereafter become due to said persons by reason of said Contract No. Idm-E943.

Executed this 24th day of April, 1956.

J. H. Deimerly (SEAL)
J. H. Deimerly

Charles M. Coleman (SEAL)
Charles M. Coleman

Kirkpatrick W. Dilling (SEAL)
Kirkpatrick W. Dilling

Leonard D. Carmichael (SEAL)
Leonard D. Carmichael

Mabel E. Carmichael (SEAL)
Mabel E. Carmichael

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

I, INGRID E. OLSON, a Notary Public in and for, and residing in the said County, in the State aforesaid, DO HEREBY CERTIFY, that J. H. DEIMERLY, CHARLES M. COLEMAN, and KIRKPATRICK W. DILLING personally known to me to be the same persons whose names are subscribed to the foregoing Instrument appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said Instrument as their free and voluntary act, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal, this 24th day of April, A.D. 1956.

Ingrid E. Olson

STATE OF ILLINOIS)
) SS.
COUNTY OF OGLE)

I, Hazel M. Elliott, a Notary Public in and for, and residing in the said County, in the State aforesaid, DO HEREBY CERTIFY, that LEONARD D. CARMICHAEL and MABEL E. CARMICHAEL, personally known to me to be the same persons whose names are subscribed to the foregoing Instrument appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said Instrument as their free and voluntary act, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal, this 26th day of April, 1956.

Hazel M Elliott

DILLING AND DILLING
ATTORNEYS AT LAW
139 NORTH CLARK STREET
CHICAGO 2

ALBERT W. DILLING
KIRKPATRICK W. DILLING

TELEPHONE
CENTRAL 6 8417

APR 16 1956
BUREAU OF MINES
Denver, Colorado

April 13, 1956

Honorable W. M. Traver
Executive Officer, DMEA
Field Team, Region III
United States Department of the Interior
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 4047 (Uranium), Clyde, Marsh, and Longport claim groups, Fremont County, Wyoming.

Dear Sir:

Enclosed, in sextuplicate, are subordination agreements signed by the owners of overriding royalties in connection with the above claims.

Mr. Irving L. Marshack owns the entire royalty on the Clyde and Marsh groups of claims and one-fourth of the royalty on the Longport group. Messrs. Don Londer, Robert W. Utter, and Charles Lesnick each own one-fourth of the royalty on the Longport group.

We regret the delay in getting these additional papers to you. The delay was due to circumstances entirely beyond our control.

There was some question in our minds about where these papers should be sent in view of the delay. So the writer telephoned Mr. Indritz of your Washington office to inquire about this, and he advised that they be sent to your office.

APR 4 - 1956

Very truly yours,

Albert W. Dilling

Albert W. Dilling

AWD:hs
Enclosures

Docket No. 4047

Commodity Uranium

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 943

Date of Contract or ~~Amendment~~ April 11, 1956

Name and Address of Operator:

Charles M. Coleman and Associates (Charles M. Coleman, et al.)
139 N. Clark Street
Chicago 2, Illinois

Amount of Government participation $ 7,119.00

Percent of Government participation 75 %

Region: III State: Wyoming

E. R. Talbert
(Name)

for J. L. Chambers, Chief
Contract Administration and
Audit Division
(Title)

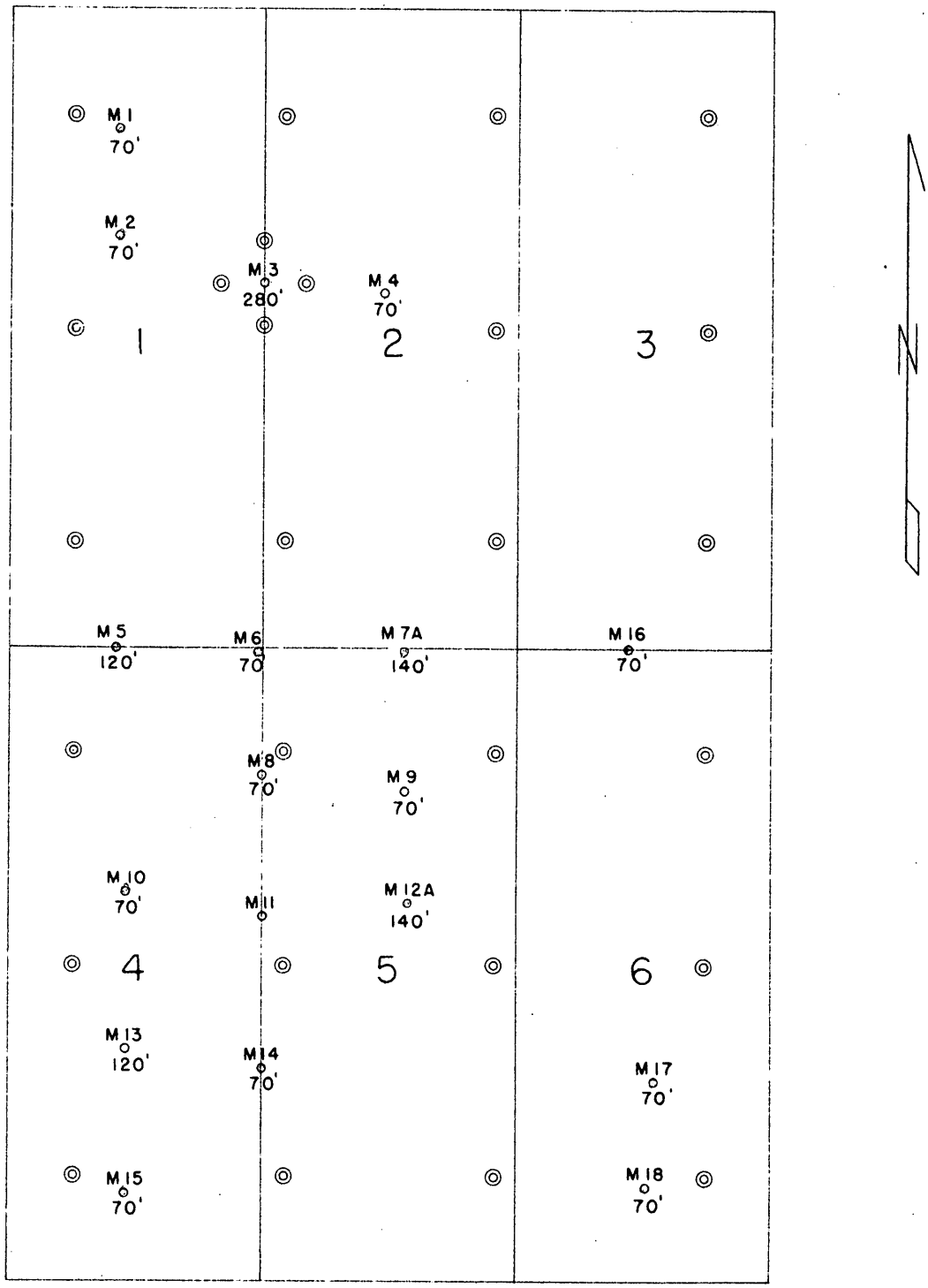
Date Delivered to Bureau of Mines, Washington. 4/11/56

54458

MARSH GROUP

Secs. 32 & 33, T33N, R90W

Fremont County, Wyoming



Stage I holes drilled

- Ore grade mineralization
- Mineralization below ore grade
- Not mineralized

Stage II holes proposed

1" = 400'

6/9/56

CHARLES M. COLEMAN and ASSOCIATES by RALPH H. THURSTON

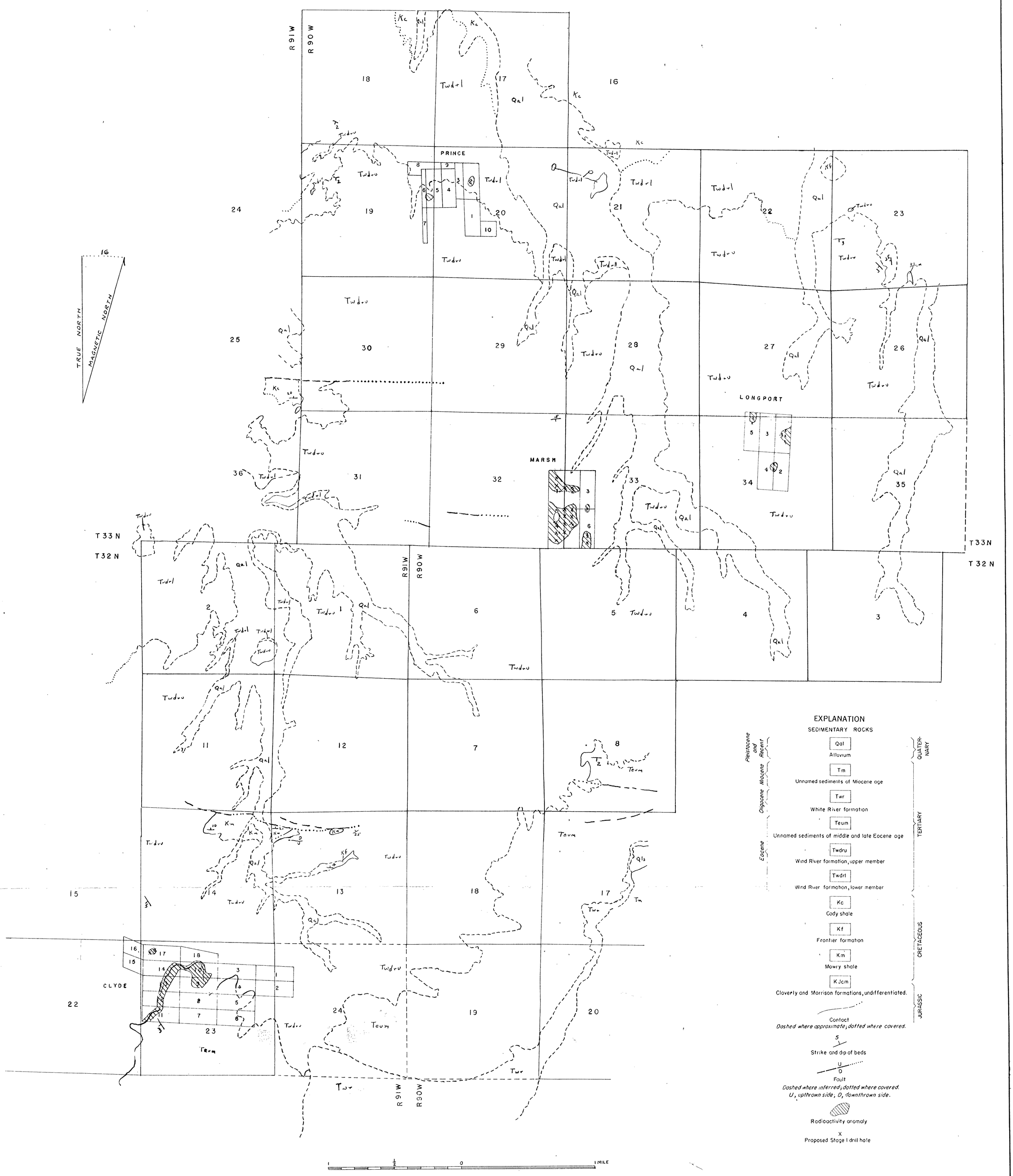


FIG. 2 EXPLORATION MAP SHOWING GEOLOGY, LOCATIONS OF CLYDE, LONGPORT, MARSH, AND PRINCE CLAIM GROUPS, CHARLES M. COLEMAN AND ASSOCIATES, FREMONT CO., WYO. DMEA 4047

Geology after H.D. Zeller and P.E. Soister, U.S. Geological Survey.