DEC 2 1960

Memorandum

To: Acting Field Officer, Region III

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

Subject: XMBA-3555 (Uranium)
W. A. Greer
Bachelor claims
Montrose and San Miguel Counties, Colorado
Contract Idm-E791

Reference is made to your November 29 letter to the Vanadium Corporation of America furnishing the status of the subject project account as shown on your records. On the bottom of a copy furnished this Division you have written "Will you please check this?"

This is to advise that our records are in agreement with the figures stated in your letter upon inclusion of the royalty of $814.70 submitted for deposit by your November 14 abstract of remittances no. 11-3.

EDTalbert/ama
December 2, 1960

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

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
RECEIVED 1960

November 29, 1960

12/2 cae 210 800

D. Ornella
Administrative Assistant
Vanadium Corporation of America
Durango, Colorado

Re: Docket DMEA 3555 (Uranium)
Contract Idm E791
W. A. Greer
Four Corners Exploration Co.
(Bachelor Claims)
Montrose & San Miguel Counties, Colorado

Dear Mr. Ornella:

Thank you for your letter of November 28, 1960 regarding the balance due the Government in Royalty from the captioned property.

Our records, which are subject to audit, show the following:

$ 25,977.64	Amount the Government expended
25,485.51	Amount of Royalty paid through October 1960
492.13	Balance of Royalty due the Government

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer
OME, Region III

cc Bachelor Mines
Dove Creek, Colorado
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Chief, Division of Field Operations OME (2)
Royalty Corres E 791
Chron

Will you please check this? [illegible]

E-791

For royalty payment of $814.70, dated November 14, 1960, see transmittal letter file.

Extra

~~OFFICIAL FILE~~ COPY

O. M. E

RECEIVED NOV 17 1960

DATE	INITIALS	CODE
		800

VANADIUM CORPORATION OF AMERICA

A N N O U N C E M E N T

November 10, 1960

Mr. Dominic Ornella, formerly Sales Auditor, has been appointed Administrative Assistant to General Manager-Western Division.

Mr. Douglas L. Truesdell has been appointed Western Division Accountant, in charge of all accounting in the Western Division.

These announcements were made in Durango, effective October 18, 1960.

Mr. Truesdell was formerly Plant Accountant at Niagara Falls.

Fred A. Brinker

Fred A. Brinker
General Manager Western Div.

5791 DMEA 3555
W. A. Greer

E-791

For royalty payment of $1,063.35, dated October 10, 1960, see transmittal letter file.

E-791

For royalty payment of $1,265.38, dated September 14, 1960, see transmittal letter file.

E-791

For royalty payment of $914.11, dated August 12, 1960, see transmittal letter file.

E-791

For royalty payment of $113.63, dated July 12, 1960, see transmittal letter file.

E-791

For royalty payment of $189.48, dated June 15, 1960, see transmittal letter file.

UNION CARBIDE NUCLEAR COMPANY • DIVISION OF UNION CARBIDE CORPORATION

P. O. BOX 1049, GRAND JUNCTION, COLORADO

EXTRA COPY
O. M. E.
RECEIVED MAR 21 1960

DATE	INITIALS	CODE
		800

March 10, 1960

United States Department of Interior
Office of Minerals Exploration
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket #DMEA 3553 (Uranium)
Contract #IDM - E791
W. A. Greer
Four Corners Exploration Co.
Bachelor Claims, Montrose & San Miguel
County, Colorado

Gentlemen:

Reference is made to your inquiry of March 7, 1960 regarding settlement sheet on three loads of material received at our Uravan plant January 21st and January 23rd, 1959.

This material did not meet the minimum specifications of A.E.C. Circular 5, revised, or our minimum specifications and it was rejected. For this reason, no settlement sheet was made.

Yours very truly,

J. H. Frazier
Ore Buyer

JHF:jk

2 copies to Chairman
3-17-60

OME
DEPARTMENT OF THE INTERIOR

EXTRA COPY
O. M. E.
RECEIVED MAR 10 1960
DATE | INIT | CODE
800

Building 20 - Federal Center
Denver 25, Colorado

March 7, 1960

Bachelor Mines
Dove Creek
Colorado

Re: Docket No. DMEA-3555 (Uranium)
Contract No. Xm-E791
W. A. Greer - Four Corners Exploration Co.
(Bachelor claim), Montrose and
San Miguel Counties, Colorado

Gentlemen:

Will you please forward this office two (2) copies of the legal instrument which gives you the right to mine and remove ore from the captioned property.

We need this information to bring our records up to date.

Very truly yours,

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

HMC/ms

cc: Chmn. Op. Comm (2)
Ray cor E791
Chron

Building 20 - Federal Center
Denver 25, Colorado

March 7, 1960

EXTRA COPY
O. M. E
RECEIVED MAR 10 1960
DATE | | CODE
800

Union Carbide and Nuclear Corp.
Uravan
Colorado

Re: Docket No. DMEA-3555 (Uranium)
Contract No. Lim-E791
W. A. Greer --
Four Corners Exploration Co.
(Bachelor claim), Montrose and
San Miguel Counties, Colorado

Gentlemen:

The Atomic Energy Commission's records show that in the first quarter of 1959 a shipment of 36.18 tons containing 62.69 pounds of U_3O_8 and 800.84 pounds of V_2O_5 was received by you from Bachelor Mines.

Will you please forward this office three (3) copies of the settlement sheet for this liquidation.

Very truly yours,

Original signed by

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

HMC/ms

cc: Chmn. Op. Comm. (2)
Chron
Royalty corres E791

E-791

For Certificate of Deposit No. 79, dated February 11, 1960, giving royalty payment of $605.22, see E-577.

E-791

For Certificate of Deposit No. 69, dated January 13, 1960, giving royalty payment of $350.50, see E-577.

TRIPLICATE
Rev., Supp. 1 (Third Amendment). Promulgated Sept. 11, 1957
by Treasury Department, Fiscal Service.

Treasury Department Circular No. 945 -

CERTIFICATE OF DEPOSIT
Standard Form 219

Identification of Accountable Officer Affected	
(1) Office Deposit Symbol: 9013	(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colorado

11/10/59 (Date sent)

51 (Deposit No.)

Deposited with Federal Reserve Bank of Kansas City, Mo., Denver, Colo, (Name and location of depositary)

(3) The Sum of $ 2,020.99

(4) Classification of Deposit

Account Symbol	Amount	Account Symbol	Amount
1LX4401	$ 2,020.99		$

E-791

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(5)
14-23-040
Office of Minerals Exploration
224 New Custom House
Denver 2, Colorado

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Higgs
(Authorized signature)

NOV 1 0 1959
(Date of credit in Treasurer's account)

Depositary will date, sign and forward to depositor for his retained copy.

E-791 W.A.Greer	73.46
E-910 Hecla Mining	788.38
E-984 Pinnacle Exploration	83.44
E-1180 Rex Uran Corp.	92.35
E-1198 Jen, Inc.	983.36
	2,020.99

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 16 1959

DATE	INITIALS	CODE
		800

E-791

For Certificate of Deposit No. 43, dated October 14, 1959, giving royalty payment of $483.91, see E-577.

E-791

For Certificate of Deposit No. 29, dated September 10, 1959, giving royalty payment of $897.33, see E-577.

E-791

For Certificate of Deposit No. 17, dated August 11, 1959, giving royalty payment of $667.64, see E-577.

E-791

For Certificate of Deposit No. 3, dated July 10, 1959, giving royalty payment of $846.43, see E-577.

For Certificate of Deposit No. 147, dated May 13, 1959, giving royalty payment of $155.45, see E-577.

TRIPLICATE Treasury Department Circular No. 945 - Rev., Supp. 1 (Third Amendment). Promulgated Sept. 11, 1957 by Treasury Department, Fiscal Service.

CERTIFICATE OF DEPOSIT
Standard Form 219

4/24/59 (Date sent)

142 (Deposit No.)

Identification of Accountable Officer Affected

(1) Office Deposit Symbol: 9013

(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colo.

Deposited with Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

(3) The Sum of $ 486.66

(4) Classification of Deposit

Account Symbol	Amount	Account Symbol	Amount
14X4401	~~XXXXX~~ 486.66		$

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(5)

14-23-040
Office of Minerals Exploration
224 New Customhouse
Denver 2, Colo.

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

APR 24 1959
(Date of credit in Treasurer's account)

Depositary will date, sign and forward to depositor for his retained copy.

E-1124 Leadville
Le[illegible]
E-[illegible]1 W. A. Greer, 176.13
310.53

486.66

DENVER BRANCH
FEDERAL RESERVE BANK

1959 APR 24 PM 12 47

MAIL DEPT-2

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 27 1959

DATE	INITIALS	CODE
4/27	C	220
		800

For Certificate of Deposit No. 134, dated April 10, 1959, giving royalty payment of $150.37, see E-577.

E-791

For Certificate of Deposit No. 127, dated March 24, 1959, giving royalty payment of $17.71, see E-345.

QUADRUPLICATE Treasury Department Circular No. 945 - Rev., Supp. 1 (Third Amendment). Promulgated Sept. 11, 1957 by Treasury Department, Fiscal Service.

CERTIFICATE OF DEPOSIT
Standard Form 219

2/26/59 (Date sent)

114 (Deposit No.)

Identification of Accountable Officer Affected

(1) Office Deposit Symbol: 9013

(2) For Consolidated Abstract of Treasury Regional Office at (city and state) Denver, Colo.

Deposited with Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

(3) The Sum of $352.30

(4) Classification of Deposit

Account Symbol	Amount	Account Symbol	Amount
14X4401	$ 352.30		$

E-791

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(5)
14-23-040
Office of Minerals Exploration
224 New Customhouse
Denver 2, Colo.

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

FEB 26 1959

(Date of credit in Treasurer's account)

Depositary will date, sign and forward to depositor.

E-791 W.A. Grew 174.46

E-877 Uranium Prospectors 177.84

352.30

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 2 1959

DATE	INITIALS	CODE
3/2/59	J.J.	225 600

E-791

For Certificate of Deposit No. 95, dated January 13, 1959, giving royalty payment of $182.24, see E-649.

For Certificate of Deposit No. 89, dated December 23, 1958, giving royalty payment of $161.35, see E-360.

224 New Customhouse
Denver 2, Colorado
October 20, 1958

EXTRA COPY
O. M.
RECEIVED

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

Re: Docket No. DMEA-2515 (Uranium)
Pat Ambrose, Contract Idm-E440

Docket No. DMEA-3555 (Uranium)
W. A. Greer, Contract Idm-E791

Dear Mr. Chambers:

In reply to your letter dated October 15, 1958, requesting clarification of the proper amounts of royalty collection applicable to the two subject projects, I find that the September Summary reported the proper amount; viz. E-440, Pat Ambrose, $6,909.29, and E-791, W. A. Greer, $15,324.74. The variation arose through an erroneous credit for collections to Pat Ambrose of $124.90 in March, which should have been credited to W. A. Greer. Correcting memorandums, copies of which are enclosed, were, however, not released until October 6, 1958.

Your request for copy of Certificate of Deposit No. 52 was discussed with Mrs. Stokes in the Finance Office, Denver, Colorado. She advises that Certificate of Deposit No. 52 was "a dummy" and the actual deposit of the funds involved was made under Certificate of Deposit No. 49. She explained the reason that No. 52 was considered a dummy was due to some regulation of the Federal Reserve Bank in connection with Canadian funds involved in the collection. She stated their office never transmits copies of dummy Certificates of Deposit.

Enclosed is a photo copy of Certificate of Deposit No. 49. Also enclosed is a copy of Certificate No. 54, which Mrs. Stokes advises had previously been transmitted.

Sincerely yours,

Donald T. Finch

Donald T. Finch, Auditor

Encls.

October 15, 1958

OCT 15 [illegible]

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

Re: Docket No. DMEA-2515 (Uranium)
Pat Ambrose
Contract No. Idm-E440

Docket No. DMEA-3555 (Uranium)
W. A. Greer
Contract No. Idm-E791

Dear Mr. Finch:

A comparison of "Royalty Report Summary -- Region III as of September 30, 1958" with the royalty records of this office indicates differences as follows:

Contract No.	Operator	Royalty Collected	
		Region	Washington
E440	Pat Ambrose	$6,909.29	$7,034.19
E791	W. A. Greer	15,324.74	15,109.84

Will you please investigate and advise.

Also, a copy of Certificate of Deposit No. 52 has not been received in this office. Please furnish us with one.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers
Contract Administration
and Audit Division

P. S. Also, please furnish copy of Certificate of Deposit No. 54.

CEFisher/GMcC
October 15, 1958

cc: Docket
Director's Reading File, and Mr. Chambers

For Certificate of Deposit No. 91, dated February 10, 1958, giving royalty payment of $227.23, see E-452.

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 9013 Treasury Regional Office, Denver, Colo. 1/2/58
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

DEPOSIT NO. 14-23-040-74

$ 288.14

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401	E-791	288.14

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Bonnell
(Authorized signature)

January 2, 1958
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

E-791 W. A. Greer 288.14

DMA
RECEIVED JAN 6

DATE		CODE
1/6/58	H. H.	220
		~~225~~
		800

1958 JAN 2 PM 12 31
MAIL DEPT.

E-791

For Certificate of Deposit No. 69, dated December 12, 1957, giving royalty payment of $480.53, see E-440.

For Certificate of Deposit No. 56, dated November 13, 1957, giving royalty payment of $325.76, see E-597.

E-791

For Certificate of Deposit No. 42, dated October 11, 1957, giving royalty payment of $345.98, see E-408.

E-791

For Certificate of Deposit No. 32, dated September 12, 1957, giving royalty payment of $825.64, see E-440.

For Certificate of Deposit No. 17, dated August 13, 1957, giving royalty payment of $909.16, see E-381.

E-791

For Certificate of Deposit No. 6, dated July 12, 1957 giving royalty payment of $1,411.59, see E-408.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 9013 Treasury [redacted]ional Office, Denver, Colo. 6[redacted]1/57
(Name, title, and disbursing [redacted]ther identification symbol of accountable officer) [redacted] (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.
(Name and location of depositary)

for accounts listed below. SCHEDULE Nos.

DEPOSIT NO. 14-23-040-166

$ 4,188.27

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		4,188.27

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colo.

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Bennett
(Authorized signature)

6/11/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

E-812	Hamilton, Harris, etc.	2,494.15
E-[redacted]	W.A.Greer	1,417.62
E-877	Uranium Prospector	276.50
		4,188.27

EXTRA COPY
D M E A
RECEIVED JUL 5 1957

DATE	INITIALS	CODE

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

FIRST ROYALTY AUDIT CERTIFICATE

I have examined the production records and sales documents pertaining to the sale of Uranium ores for the period April 28, 1955 through May 14, 1957, by

W. A. Greer
c/o Four Corners Exploration Company
1145 College Place
Grand Junction, Colorado

produced from the Bachelor Group of Claims, located in the Bull Canyon Mining District of San Miguel and Montrose Counties, Colorado, on which royalties are due the U. S. Government under terms of Contract Idm-2791, Docket No. DMEA-3555 (Uranium) dated April 28, 1955, as amended.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit established the total sales of such ores for this period, subject to DMEA royalties, to be $179,363.86. Royalty due the Government at the contract rate of 5% is $8,968.19. The royalty paid and balance due are as follows:

Total Royalties Due	$8,968.19
Total Royalties Paid	8,968.19
Balance of Royalties Due	$ 0.00

Donald T. Finch

Donald T. Finch, Auditor

June 25, 1957

EXTRA COPY
DMEA
RECEIVED JUL 5 1957
DOCUMENT CONTROL CODE

FIRST ROYALTY AUDIT REPORT

I INTRODUCTION

On June 13, 1957, an audit was made of the production and sales royalty accounts and records of

W. A. Greer
c/o Four Corners Exploration Company
1125 College Place
Grand Junction, Colorado

pertaining to the sale of Uranium ore during the period April 28, 1955 through May 14, 1957, produced from property known as the Bacheler Group in the Bull Canyon Mining District of San Miguel and Montrose Counties, Colorado, on which royalties are due the U. S. Government under the terms of Contract Idm-E791, Docket No. DMEA-3555 (Uranium) dated April 28, 1955, as amended.

The property is operated and accounting records are maintained by the Four Corners Exploration Company under a contract with W. A. Greer. These records consist of an integrated accounting system and copies of liquidation settlement sheets issued by purchasers of the ore, and are located at the above address. Mr. F. O. Manol, Managing Partner of Four Corners Exploration Company, and Mr. C. T. Langloise, Accountant, were consulted as necessary during the course of the audit. Their cooperation greatly facilitated the audit work.

II GENERAL INFORMATION

The exploration contract provides that should the Government make a certification of discovery or development, the operator either as principal or surety, shall pay to the Government a percentage royalty on all minerals mined or produced from the land described in Annex I of Article 2 of the contract within a period of 10 years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Certificate of Discovery or Development was issued on July 16, 1956.

According to a Report of Review dated July 5, 1956, prepared by Donald T. Finch, DMEA Auditor, the total accepted costs of the exploration amounted to $34,636.85, with the Government's contribution on a 75% basis being $25,977.64.

III SCOPE OF AUDIT AND FINDINGS

A. Conference with Examining Engineer

The Examining Engineer was not available for conference. Review of the Check Sheet of Examining Engineer, dated June 24, 1957, indicates the Operator stockpiles low grade ores subject to DMEA royalties, but that adequate records are maintained on such material to protect the Government's interests. This Check Sheet also indicates the Operator does not commingle production subject to DMEA royalties with exempt production and assay controls are considered adequate.

B. Audit of Settlement Statements

A considerable amount of preaudit work was accomplished in the DMEA office, Region III, Denver, Colorado, prior to the field audit. During this preaudit work a statement of royalties received was prepared from copies of liquidation settlement sheets furnished by purchasers of ore in support of royalty payments made by such purchasers directly to the regional DMEA Executive Officer. The royalty receipts were verified with deposits made by the regional Finance Officer. All of the data included in the statement were confirmed by detailed recomputation. This statement, which is filed as a part of my audit work papers, was reconciled with the production and sales records in the producer's office during the on-site audit.

Correspondence and personal interview with the Field Operations Office of the Atomic Energy Commission confirmed the sales of U_3O_8 during the period under review and that production bonus applicable to the property had been paid in full.

	CLIMAX URANIUM COMPANY	UNION CARBIDE NUCLEAR COMPANY	VANADIUM CORPORATION OF AMERICA	TOTAL
Dates	7/19/56	8/2/56 to 4/22/57	9/28/56 to 4/27/57	7/19/56 to 4/27/57
Wet Weight, Pounds	21,050	1,648,080	4,032,450	5,701,580.00
Dry Weight, Pounds	20,671	1,579,887.90	3,835,257	5,435,815.90
Dry Weight, Tons	10.340	789.995	1,917.628	2,717.963
Assays: (Average)				
U_3O_8	.13	.36	.4066	.3918
V_2O_5	1.52	2.06	2.3650	2.2727
Pounds U_3O_8	26.87	5,677.07	15,594.37	21,298.31
Base Payment U_3O_8	$56.43	$19,830.73	$54,580.32	$74,467.48
Development Allowance @ 50¢	$13.44	$ 2,838.55	$ 7,797.21	$10,649.20
Premiums U_3O_8				
Excess of 4 lbs. per ton				
Pounds U_3O_8		2,528.07	7,923.87	10,451.94
Amount @ 75¢		$ 1,896.07	$ 5,942.92	$ 7,838.99
Excess of 10 lbs. per ton				
Pounds U_3O_8			57.95	57.95
Amount @ 25¢			$14.49	$14.49
Haulage Allowance				
Per Wet Ton (Average)	8.70	2.67	5.285	4.543
Wet Tons	10.525	824.04	2,016.225	2,850.79
Amount	$91.57	$2,201.60	$10,656.73	$12,949.90
Pounds of V_2O_5	314.20	32,514.58	90,710.00	123,538.78
Amount @ 31¢	$ 97.40	$10,302.89	$28,120.10	$ 38,520.39
Total Receiving Station Payment	$258.84	$37,069.84	$107,111.77	$144,440.45
A.E.C. Production Bonus	56.43	10,219.44	24,647.54	34,923.41
Total Value Subject to Royalty	$315.27	$47,289.28	$131,759.31	$179,363.86

	CLIMAX URANIUM COMPANY	UNION CARBIDE NUCLEAR COMPANY	VANADIUM CORP. OF AMERICA	TOTAL
Average Value per Ton	$30.49	$59.86	$68.71	$65.99
Average IMEA Royalty Percentage	5%	5%	5%	5%
IMEA Royalty Due	$15.76	$2,364.46	$6,587.97	$8,968.19
IMEA Royalty Paid	15.76	2,364.46	6,587.97	8,968.19
Balance of IMEA Royalty Due	$ 0.00	$ 0.00	$ 0.00	$ 0.00

The foregoing data includes U.C.N. Liquidation No. 7207 dated April 22, 1957; V.C.A. Liquidation No. 4-083 dated April 27, 1957, and Finance Officer's Certificate of Deposit No. 57-155 dated May 14, 1957.

The audit has confirmed the accuracy and propriety of the royalty payments received by the Regional Finance Officer, which are applicable to ore sales during the period April 28, 1955 through May 14, 1957. It has also determined that all indicated sales of ores during the subject period have been properly accounted for.

Donald T. Finch

June 25, 1957

Donald T. Finch, Auditor

Check Sheet of Examining Engineer

EXTRA COPY
DMEA
RECEIVED JUL 5 1957
DATE | INITIALS | CODE

Operator's Name W. A. Greer

Address C/O Four Corners Exploration Company
1125 College Place

Grand Junction, Colorado

Exploration Contract No. Idm-E791 Docket No. DMEA-3555

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

Date 6-24-57

M. K. Salsbury
Mining Engineer

JUL - 8 1957

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

Re: Royalty Audit Report
Idm-2791, DMEA-3555
W. A. Greer

Dear Mr. Finch:

Your First Royalty Audit Report and Certificate pertaining to the subject contract are approved for normal distribution after changing the date "July 7, 1956" to "July 5, 1956" in the fourth paragraph of the report. This change has been made on the Washington office copies of the audit report.

Sincerely yours,

Jay L. Chambers, Director
Contract Administration
and Audit Division

CEFisher/wb/ana
July 8, 1957

Copy to: Docket
Admr. Reading File
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

June 17, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 20 1957

DATE		CODE

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

Dear Mr. Chambers:

I have just returned from Grand Junction, Colorado, where I made two on-site royalty audits covering E-791, W. A. Greer, and E-812, Simpson Mining Company, et al.

Both of these audits show there are no additional royalties due, but both the Operator's records and the records of the A.E.C. Operation's Office were in a confused state, which could not have been straightened out by phone or mail. This confusion was caused by "sloppy" settlement sheets issued by the receiving station at Durango, which is operated by the Vanadium Company of America.

NRN
JLC
6/24/57

While at Grand Junction I expressed your and Mr. Mittendorf's appreciation for A.E.C. cooperation to Mr. Jones, Manager of the station.

Enclosed is my expense voucher for your approval. 6/20/57.

Sincerely yours,

Donald T. Finch

Donald T. Finch, Auditor

Enc.

For Certificate of Deposit No. 155, dated May 14, 1957, giving royalty payment of $978.87, see E-440.

E-791

For Certificate of Deposit No. 149, dated April 29, 1957, giving royalty payment of $21.04, see E-440.

E-791

For Certificate of Deposit No. 143, dated April 15, 1957, giving royalty payment of $691.46, see E-452.

For Certificate of Deposit No. 136, dated April 3, 1957, giving royalty payment of $241.92, see E-452.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

DEPOSIT NO. 14-23-040-132

For credit of 413 Treasury [redacted]gional Office, Denver, Colo. 3[redacted]/57
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.
(Name and location of depositary)

$ 978.43

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14 X4401		978.43

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

W. Giacomozzi
(Authorized signature)

3/25/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

✓E-875 McFarland & Hullinger	838.99
✓E-791 Four Corners	139.44
	978.43

1957 MAR 25 AM 11 40

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

THIS DEPOSIT IS NOT SUBJECT TO CHECK

Denver, Colo.

DEPOSIT NO. 14-23-040-131

For credit of 413 Treasury Regional Office, Denver, Colo. 3/21/57
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.
(Name and location of depositary)

$ 11.25

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		11.25

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

L. Jones
(Authorized signature)

3/21/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

✓E-791 Four Corners	3.02
✓E-812 Hamilton Harris	8.23
	11.25

1957 MAR 21 AM 11 57

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

DEPOSIT NO. 14-23-040-229

For credit 113 Treasury Regional Office, Denver, Colo. 3/19/57
of
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

Federal Reserve Bank of Kansas City, Mo. Denver, Colo.
deposited with
(Name and location of depositary)

$ 147.84

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401	E-791	147.84

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Bennette
(Authorized signature)

3/19/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

✓E-791 Four Corners 147.84

1957 MAR 19 PM 12 55
SEARCH DEPT.

E-791

For Certificate of Deposit No. 124, dated March 12, 1957, giving royalty payment of $901.84, see E-440.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

DEPOSIT NO. 14-23-040-120

For credit of 413 Treasury Regional Office, Denver, Colo. 3/5/57

(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.

(Name and location of depositary)

$ 571.95

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		571.95

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Bonnett
(Authorized signature)

3/5/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59086b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

✓E-791 W. A. Greer 571.95

1957 MAR 5 PM 12 41
DENVER
MAIL DEPT.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 113 Treasurer, Regional Office, Denver, Colo. 2/18/57

(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.

(Name and location of depositary)

DEPOSIT NO. 14-23-040-111

$ 333.60

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X1401		333.60

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

L. Fower (Authorized signature)

2/18/57 (Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1) Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

E-7[illegible]	Four Corners	269.31
E-812	Hamilton, Harris, etc.	64.29
		333.60

1957 FEB 18 PM 12 01
MAIL DEPT.

For Certificate of Deposit No. 107, dated February 12, 1957, giving royalty payment of $822.27, see E-53.

For Certificate of Deposit No. 101, dated January 25, 1957, giving royalty payment of $128.73, see E-53.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 413 Treasury Regional Office, Denver, Colo. 1/17/57
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

deposited with Federal Reserve Bank of Kansas City Mo. Denver, Colo.
(Name and location of depositary)

for accounts listed below. SCHEDULE NOS.

DEPOSIT NO. 14-23-040-94

$ 392.25

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		392.25

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

L Jones
(Authorized signature)

1/17/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

E[illegible]91 W. A. Greer 392.25

1957 JAN 17 AM 11 56

For Certificate of Deposit No. 91, dated January 15, 1957, giving royalty payment of $1,076.86, see E-53.

For Certificate of Deposit No. 82, dated December 13, 1956, giving royalty payment of $128.65, see E-53.

For Certificate of Deposit No. 81, dated December 12, 1956, giving royalty payment of $11.48, see E-751.

For Certificate of Deposit No. 80, dated December 11, 1956, giving royalty payment of $244.60, see E-53.

For Certificate of Deposit No. 74, dated November 30, 1956, giving royalty payment of $513.79, see E-53.

For Certificate of Deposit No. 72, dated November 27, 1956, giving royalty payment of $238.02, see E-395.

For Certificate of Deposit No. 66, dated November 15, 1956, giving royalty payment of $35.07, see E-54.

For Certificate of Deposit No. 62, dated November 5, 1956, giving royalty payment of $497.76, see E-408.

E-791

For Certificate of Deposit No. 5~~3~~7, dated October ~~16~~23, 1956, giving royalty payment of $366.54, see E-53.

For Certificate of Deposit No. 44, dated October 1, 1956, giving royalty payment of $199.69, see E-452.

For Certificate of Deposit No. 35, dated September 11, 1956, giving royalty payment of $161.63, see E-33.

For Certificate of Deposit No. 33, dated August 31, 1956, giving royalty repayment of $104.80, see E-317.

For Certificate of Deposit No. 20, dated August 2, 1956, giving royalty repayment of $12.94, see E-360.

For Certificate of Deposit No. 21, dated August 6, 1956, giving royalty repayment of $66.42, see E-6.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

JUL 5 - 1956

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

W. A. Greer
502 Alisa Drive
Albuquerque, New Mexico

pertaining to Exploration Project Contract No. Idm-1791, Docket No. DMEA-3555, including Amendments Nos. 1 and 2, for the months of August, 1955 to April, 1956, inclusive, covering a project for the exploration of Uranium on property known as Bachelor Claims Nos. 2 through 6, in San Miguel and Montrose Counties, Colorado.

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, consultation with the Executive Officer of the DMEA Field Team, Region III, and a determination of the reasonableness and propriety of the costs.

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

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

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

Total cost as billed by Contractor		$34,636.85
Exceptions:		
By DMEA Finance Officer	0	
Herewith	0	0
Total Accepted Cost		$34,636.85

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty-five thousand, nine hundred seventy-seven and 64/100ths Dollars

** $25,977.64 **

is considered 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.

Donald T. Finch

July 5, 1956

Donald T. Finch, Auditor

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

224 New Customhouse
Denver 2, Colorado

July 9, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3555 (Uranium) Contract Idm-E791, W. A. Greer (Bachelor group) San Miguel and Montrose Counties, Colorado - FINAL PAYMENT

Enclosed are two copies of a memorandum to T. A. Christensen, dated July 5, 1956, relative to final payment under the terms of the subject contract.

W. M. Traver

W. M. Traver

Enclosures

RECEIVED
JUL 18 1956

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

224 New Customhouse
Denver 2, Colorado

July 5, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3555 (Uranium) Contract Idm-E791, W. A. Greer (Bachelor group) San Miguel and Montrose Counties, Colorado - FINAL PAYMENT

Reference is made to our memorandum of June 18, 1956 whereby we forwarded Form MF-104, Operator's Monthly Report and Voucher, for the period of March-April, 1956 and instructed you to withhold the amount of $100.00 pending resolution of matters relative to closing the account.

The Operator's final report has been received, and he has complied with all contract provisions; therefore, we recommend final payment to the Operator on the following basis which is in conformance with the Report of Review of contract expenditures by the Contract Administration and Audit Division, dated July 5, 1956.

Basis for Final Payment

Total Accepted Cost	$34,636.85
Government Participation at 75 Percent	25,977.64
Total Prior Payments	25,877.64
Balance due the Operator	$ 100.00

$100.00

7/9/56 DMA 57-5

W. M. TRAVER

W. M. Traver

RECEIVED
JUL 10 1956

JWT:jy
cc: MF-104 File E791, Reg. III
Sec. Op. Comm. (2)
Shaw (2)
Townsend
Chron.

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 27 1956

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

Month of March-April, 1956 Docket No. DMEA 3555 Contract No. Idm E791
Operator's Name Four Corners Exploration Company Minerals Uranium
Address 205 Petroleum Building, Grand Junction, Colorado
Contract Amount, $37,535.00 Government Participation: ____% Amount, $28,151.25

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 Core Drilling	1933.20	14,128.20	16,061.40			
~~Bulldozing~~ Plug	2095.20	14,735.25	16,830.45			
Crosscutting						
Drifting						
Bulldozing & Moves	93.63	*1,496.37	*1,590.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	20.00	* 135.00	* 155.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
*Reflect disallowances in November-December 1955						
TOTALS	4142.03	30,494.82	34,636.85	4,142.03	30,494.82	34,636.85

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

Date 5/14/56 *Payee Four Corners Exploration Co.

Per J. Manol Title Partner

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

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

(Instructions on reverse)

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

$3006.52

Signature [illegible]
(Authorized Certifying Officer)

Date 6/19/56 Vou. No. DMEA 56-121
(See other side)

Withhold 100.00

(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 E791 in accordance with the terms of the contract.

Signature W. B. Salsbury 310652 Title Mining Engineer Date 6-11-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Mauer Title Executive Officer Date JUN 18 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
JUN 27 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March-April 1956 Docket No. DMEA 3555 Contract No. Idm R791

Operator's Name Four Corners Exploration Company Minerals Uranium

Address 205 Petroleum Building - Grand Junction, Colorado

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								
Drilling Core Drilling	ft.			6,827.40	1896.5	3.60	2160	3.60
Crosscutting Plug Drilling	ft.			6,741.90	2497.0	2.70	2340	2.70
Raising Dozer Moves	each			100.00	2	50.00	2	50.00
Shafts Dozer Work	hr.			543.84	48	11.33	48	12.00
Winzes Chem. Analyses	each			* 70.00	14	5.00	25	5.00
Drilling - Core Stage II								
Drilling Churn Core	ft.	1933.20	537	9234.00	2565	3.60	3240	3.60
Drilling Auger Plug	ft.	2095.20	776	10,088.55	3736.5	2.70	3560	2.70
Stripping Dozer Moves	each			50.00	1	50.00	6	50.00
Trenching Dozer Work	hr.			* 802.53	72	11.146	72	12.00
Test Pits Reclaim	---	**93.63		93.63				
Roads and Trails Chem. Anal.	each	20.00	4	85.00	17		40	5.00
TOTAL DISTRIBUTED COSTS		4,142.03		34,636.85				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,142.03		34,636.85				37,535.00

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

Date 5/14/56 Operator Four Corners Exploration Co

Per J O Maurer Title Partner

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

(Instructions on reverse)

M.E. Salisbury

REMARKS: *Reflects disallowance on November-December 1955 claims.
**Reclaim of difference between previously approved claims for bulldozing $1346.37 and allowable maximums for Stages I and II in contract (120 hours at $12.00 per hr. or $1,440.00.)

(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

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

RECEIVED
JUN 27 1956

224 New Customhouse
Denver 2, Colorado

June 18, 1956

FINAL DISTRIBUTION
MADE JUN 25 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3555 (Uranium) Contract Idm-E791, W. A. Greer (Four Corners Exploration Company) Bachelor group, San Miguel and Montrose Counties, Colorado - Operator's Monthly Progress Report, for the period March and April, 1956

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, 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. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report, except for the following deduction.

Withhold an amount of $100.00 pending resolution of matters relative to closing the account. The project has been completed and the Operator's final report was received in this office May 23, 1956.

The Operator has included a "reclaim" for an amount of $93.63 to bring the unit cost of bulldozing in accord with the Fixed Unit Cost set up in Exhibit "A" of the contract. The amount is to be apportioned to Stages I and II as follows

Stage I----------	$32.16
Stage II----------	61.47
Total supplemental claim	$93.63

The above is not an actual reclaim, inasmuch as the amount has not been reported previously.

Note: The plug bit footage actually drilled and reported exceeds the plug bit footage set up in the contract under "Fixed Unit Costs" for each of Stages I and II. However, as neither the aggregate core and plug drill footage nor the aggregate core and plug drilling cost has been exceeded for either stage of work, the variation is deemed to be allowable.

Remarks

Date of Report----------May 14, 1956
Date Received in Field Office---------- June 12, 1956
Date Received in Region Office--------- June 18, 1956

W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy
cc: MF-104 File E791
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy of engr's report
Chron.

Region III

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

RECEIVED
JUN 18 1956
DMEA
Date Rec'd.

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: John F. Shaw
~~E. H. Harshman~~

JUN 18 1956
BUREAU OF MINES
Denver, Colorado

From: M. H. Salsbury

Subject: Docket DMEA 3555 (Uranium) Contract Idm-8791, W. A. Greer (Four Corners Exploration Company), Bachelor group, San Miguel and Montrose Counties, Colorado--Progress Report for March-April 1956.

The subject project was inspected on April 3 and May 3, 1956. On the later date, operations under contract Idm-8791 had been completed.

Payment was claimed for March-April, 1956 for the following:

Core drilling, 537 feet at $3.60 per ft.	$1,933.20
Plug-drilling, 776 ft. at $2.20 per ft.	2,095.20
Chemical analyses, 4 at $5.00 each	20.00
Reclaim of bulldozing up to allowable fixed cost	93.63
Total claimed in March-April, 1956	$4,142.03

The operator completed 4 remaining holes of those authorized under Amendment No. 1 and a work approval dated November 29, 1955. Resumption of operations in March 1956 was in accordance with Amendment No. 2 to the contract which provided for a recess in operations to end not later than March 31, 1956.

Drilling results are summarized in Table 1. Three out of 4 holes are classed as mineralized but no ore grade mineralization was penetrated and no ore reserves could be added to those previously indicated.

All claims are in accordance with contract terms. The plug-bit drilling in March-April 1956 brings the total claimed in Stage II to 3,736.5 feet or 176.5 feet more than the units of plug-drilling estimated in Exhibit "A" of the contract. However, the core drilling total is 2,565 feet, or 675 feet less than the estimated footage in Stage II. The total of all drilling in Stage II is 6,301.5 feet or less than the aggregate amount of drilling permitted by the contract, 6,800 feet. All drilling claimed, therefore, is considered to be eligible for payment.

Claims for drilling are supposedly supported by driller's radiometric and geologic logs. Drilling footages claimed agree with footages in the logs. Claim for chemical analyses is supported by an assay certificate and invoice for 4 samples. No bulldozing was claimed in March-April, 1956, but a claim of $93.63 was made, being the difference between the cost of bulldozing

previously allowed $1,346.37 and the amount which could have been claimed under the fixed cost unit price in the contract of $12.00 per hour for a maximum of 120 hours, $1,440.00. This is considered to be eligible for payment.

All holes were probed by the operator and by the Geological Survey Gamma-ray unit with comparable results.

All work called for in contract Idm-2791 has been completed satisfactorily and the operator has submitted an acceptable final report in which ore reserves are computed in the amount of 1,882 tons with an estimated gross value of $145,835.00. Certification of discovery is being recommended by Grand Junction personnel.

The operator has submitted for March-April 1956 in quintuplicate a narrative report, drill hole summary, forms MP-104 and MP-104A, and lithologic logs and one copy each of an assay certificate, radiometric logs and driller's logs.

The original 104 forms were corrected and re-submitted direct to the field inspector. Monthly and cumulative totals appear to be correct and previous disallowances are reflected.

Payment $3,106.52 or 75 percent of the amount claimed $4,142.03 is valid. The customary amount should be withheld pending final audit.

for John F. Shea
H. H. Salsbury

cc 6
Idm-2791
Chron.

HHS/ch

Table I. -- W. A. Greer (Four Corners Exploration Co.)
DMEA 3555, Contract Idm-2791
Tabulation of second stage drilling in March-April 1956

Hole No.	Collar elev. feet	Depth by geologic log (ft.) Plug	Core	Total	Depth by driller's log (ft.) Plug	Core	Total	Depth in feet From	To	Mineralization Thickness	Chemical Analyses Percent U_3O_8	V_2O_5	Operator's Radiometric Analyses Percent eU_3O_8	Government Probing Results depth(ft.)	eU_3O_8	Classification of hole by operator
B-70	6807	247	122	369	247	122	369	331.5	332.0	0.5	0.05	Nil	0.06(avg.)	329.8-329.9	0.047	Mineralized
								352.8	353.9	1.1	0.81	0.17				
B-72	6745	177	140	317	177	140	317	307.0	307.9	0.9	0.12	0.06	0.12(avg.)	304.9-305.9	0.13	Mineralized
														305.9-307.4	0.025	
B-73	6743	195	133	328	195	133	328	319.0	319.5	0.5	--	--	0.045(avg.)	316.8-317.8	0.032	Barren
B-75	6721	157	142	299	157	142	299	280.5	281.0	0.5	0.11	0.36	0.105(avg.)	277.6-278.6	0.064	Mineralized
Totals		776	537	1313	776	537	1313									

SEP 28 1956

May 22, 1956

Idm B-791
Docket #3555

JUN 27 1956

Final Progress Report

Persuant to Amendment No. 2 to Exploration Project Contract dated April 28, 1955, Docket No. DMEA-3555, which granted a recess in the drilling of the Bachelor claims, preparatory work began in the latter part of March and a Failing "1500" drill collared the first of the last four authorized holes April 11.

Holes B-70, B-72, B-73 and B-75 were completed by April 18, 1956. The drilling methods used were the same as those used on the previous DMEA holes. These methods have, I believe, been adequately described in the previous narrative reports.

No difficulties were encountered in the drilling of these last holes. All holes remained open and were probed with a Babbel Counter. All core was logged lithologically and is stacked at our camp, with the exception of four boxes from which assay samples were taken. These four boxes were delivered to Mr. Mel Salisbury of the Grand Junction office.

Results

Information obtained from the drilling of the last four holes includes:

(a) B-70 is considered favorable with a thick Jacknife unit and some, .05 U_3O_8, mineralization in the "third rim."

(b) B-72 is favorable with thick Jacknife unit and heavy, .12% U O , mineralization in the "third rim."

(c) B-73 is unfavorable, with red mudstone splits and galls in the Jacknife unit and no significant mineralization in the "third rim" sandstone.

(d) B-75 is favorable, with thick Jacknife unit and heavy, .11% U_3O_8, mineralization in the underlying "third rim."

Tabulation of Drill Hole Results of Last Four Authorized Holes.

Hole No.	Non Core	Core	Bottom	From To	$\%U_3O_8$	$\%V_2O_5$
B-70	247'	122'	369'	331.5-332.0	.05	Nil
				352.8-353.9	.01	.17
B-72	177'	140'	317'	307.0-307.9	.12	.06
B-73	195'	133'	328'	319.0-319.5	.045	- Counter
B-75	157'	142'	299'	280.5-281.0	.11	.36
Totals	776'	537'	1313'			

Thank you for your help
Howard Hinchen
Geologist.

Idm B-791
Docket #3555

ORE _____ HOLE NO. B-70 FAV. ←

MIN. ← FAV. ___

BARREN _____

FOUR CORNERS EXPLORATION

CONTRACT Four Corners - Bachelors

LOCALITY Buff Canyon CLAIM Bachelor 2

COLLAR ELEV. 6807 DEPTH 369

DATE STARTED 4/11/56

DATE COMPLETED 4/13/56

LOGGED BY FRE DATE 4/14/56

99% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
		R w/s							15½
		By Mot						RMS w/s 1' By silic. shts	17
		YR							11/11
		R	Xbd F						
		PK							
			THK						
		PK Gy						← S/By-int st MS	10/10
		R						← RMS & FSS	
		R						← S' Bn MS	
		LBy	THK	F F-M				← A/int st By Bn MS A/CaCO3 (½' units) S/or bn lim	10/10
			Xbd					← Low ∡	10/13
			THK						
			Xbd THK					← High ∡ w/A lim.	
			Xbd Thn					← Thn Xbd w/s-A or bn lim & Px	10/10
			THK	F				← S Bn lim & Px	
								A/CaCO3	10/10
		Gn						← 1½' Gn MS	
		R						← RMS & F-SS	
		R							
		Gn				Tr	Tr	← Tr Cbn Pyrite Ulo3	10/10
		LBy	THK	F				A/or bn lim & Px S/By int st. MS S/or bn lim	
		R LGy							
			Xbd					← Low ∡	10/10
		GY	Xbd THK				Tr	← Tr (S Bn Gn Bl)	
			Xbd						
		LGy	THK						
			Xbd					v/s low ∡ Xbd	10/10
		Gn Gy					Tr	← Tr Vaos	
		LGy	THK						
		Gn						← A/CaCO3	
								← 1½' Gn MS	14/14
		R						RMS & FSS	
								Tr. Bn Mot	

ORE _____ HOLE NO. B-12 FAV. ✓

MIN. ✓ FAV. ___

BARREN _____

FOUR CORNERS EXPLORATION

CONTRACT 4 Corns - Bachelors

LOCALITY Bull Canyon CLAIM Bachelor 2

COLLAR ELEV. 6745.0 DEPTH 317.0

DATE STARTED 4/13/56

DATE COMPLETED 4/15/56

LOGGED BY FRE DATE 4/15/56

96% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
160									
170									
								PB-177	
180									14/17
190		Rly S Gy						← Mot R/Gy SSt & VFSS	
		Gn Mot						S/Silic. units ½' to 1½'	9½
200									10
210									9½
									10
								← 1' Gn Ms	
220		Pale Gy Pk	THK w/s low % xbd.					← S/Bn lim. & weath. Feld. S/A Gn int st. Ms.	10/10
230									10/10
		R/Gn	THK					RGn Mot VFSS & Ms.	
240		Gn & R L. Gy	THK	VF F				A/int st & Jn Pk Ms S/Bn lim & Pk	10/10
			V/low % xbd						
250								← Gms on Bdg Plane	10/10
				F-M					
			xbd THK w/s					← hi % xbd A/lim ← Gy Ms on bdg plane A/weath Feld.	10/10
260			M/low % xbd						
								← A/Sm Gn gls	9/10
270		Gn R/Gy						← 3' Gn Ms ← RGy SSt & Ms S/Silic.	
280		Gn							10/10
		Pale Gn L. Gy	THK	VF F				← A/int st. Gn Ms S/or & Gn Lim SPK. S/weath Feld. Gy int st. Ms.	
			S/low % xbd					← .8' S/vadose	
290		Gy L. Gy							10/10
300		Gy	xbd THK					← hi % xbd in vadose	10/10
310		Gy Gy	xbd THK				USDW?	← D Gy BK Ms w/ BK SPK ← Sm BK gls	
		Gn R/Gn						← .3' Gn lms RGn Mot SSt & Ms.	13/13
320									

ORE _____ HOLE NO. B-73 FAV. ✓

MIN. _____ FAV. ____

BARREN ✓

FOUR CORNERS EXPLORATION

CONTRACT Four Corners - Creer

LOCALITY Bull Canyon CLAIM Bachelor 3

COLLAR ELEV. 6743 DEPTH 328.0

DATE STARTED 4/17/56

DATE COMPLETED 4/18/56

LOGGED BY FRF DATE 4/19/56

97% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
180								PB-195	
190									
200									13/15
210		R/W Gy Mot						R Gy Mot Ms and sst. S. Gy silic. units ½-1½' thk.	
220									14/14
230		LPPI LPK Gn PPlc LGy Buff L.Gy	THK xbd THK	VF F				← CaCO3 R Ms Bls (small) ← B/Bn lim SPX S/weath Feld ← Sm R Bls	15 15
240			xbd					big or bases.	
		R						R Ms & sst	15
250		PK LGy	THK Low 3 xbd	VF F				← Sm. R Bls ← 3' Bn lim SPX Intst Gy Ms	15
260			Hi 3 xbd					← T.M xbd	
		R L.Gy	Low 3 xbd	Fd F-M				← 3' R Ms A/weath Feld	15/15
270		R						← R Ms & sst S/Gy Mod.	13/14
280		Gn						← 2' Gn Ms	
290		Gn L.Gn L.Gy Buff	THK	VF F				← A/intst. Gn Bls S/or Bn Lim SPX	15/15
300		L.Gy		F-M				← No lim A/weath Feld.	
310		Gy L.Gy						312½-313 Fr. Vn. Qs	16/16
320			xbd					← Sc Bn SPX 6' ← CaCO3 ← 2' Gn Ms	13/14
		Bn R						R Ms & SST.	
330									
340									

ORE _____ HOLE NO. B-75 FAV. —

MIN. ✓ FAV. ___

BARREN _____

FOUR CORNERS EXPLORATION

CONTRACT 4 Crns - Greer

LOCALITY Bull Canyon CLAIM Bachelor 3

COLLAR ELEV. 6721.4 DEPTH 299.0

DATE STARTED 4/14/56

DATE COMPLETED 4/16/56

LOGGED BY FRE DATE 4/17/56

98% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
140									
150									
								PB-157'	
160									14/15
170		R/Gy Mot.						R/Gy SST & MS Gy silic units 1'-2' v/hard.	
180									10/12
190		L.Pk	THK S/low Xbd	F-VF				← S/A or. Lim SPK	10/10
200								← R/Gn Mot.	10/10
		Gy Gy/Bn	THK	VF				← R/Bn Mot ← Bands - Lim.	
		L.Gy		F				← A/Gn Ms bands 2 mm/m thick. S/or. Lim SPK	
210					S			S/Gn particles on Bdng. Planes ← 1' Gn Ms and Bls.	10/10
		Gn L.Gy L.Gn L.Gy						← 217-218 A Ints & Gn Ms	
220			Xbd						10/10
		L.Gn L.Gy	THK					← A/Ints L.Gn Ms	
230			Xbd THK						10/10
			Xbd						
240		Gy						½' Gn Ms	10/10
		R/Gn Mot						← SST & Ms.	
250									10/10
		Gn						← 1' Gn Ms	
		Pk	THK	F-VF				← S/or. Lim SPK S/Gn Bls	
260		L.Gy							10/10
								No limonite	
270		Gy		F				← Gy Ms & Bls SPK	10/10
		L.Gy							
280		Gy Gy	Low Xbd		S			← S Gn in Gy Gn Ms SPK SPK u.o.g.?	10/10
		L.Gy	THK					← A/Sm Gn Bls	
								COCO2	
		Gn						← 1½' Gn Ms	
290		R/Gn						← R Gn Mot Ms & SST.	15/15
300									

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
APR 20 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Sept. 24, 1955 to December 16, 195 Docket No. DMEA 3555 Contract No. Con 2-791

Operator's Name Four Corners Exploration Company Minerals Uranium

Address 205 Petroleum Bldg., Grand Junction, Colorado

Contract Amount, $ 37,525.00 Government Participation: 75 % Amount, $ 28,151.25

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 Core	7320.00	6827.10	14,120.20			
Bulldozing Drilling Plug	1993.35	6742.00	11,735.25			
Crosscutting						
Drifting						
Bulldozing	737.00	910.00	1,647.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	70.00	261.24	331.24			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	10,101.15	14,793.54	29,894.69	15,295.54	14,893.54	30,689.06
				1/-	194.24	194.24

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

Date February 11, 1956 Payee Four Corners Exploration Co.

Per J. Marvel Harrison Fischer Title Partner Geologist

*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: 14,699.30 30,494.82

$ 11,346.64

Signature [illegible]
(Authorized Certifying Officer)

Date 4/16/56 Vou. No. DMA 56-96

(See other side)

1/- Previous Deductions

(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. IAMET91 in accordance with the terms of the contract.

Signature M. H. Salsbury #12,072.11 Title Mining Engineer Date 3-16-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Jones Title Executive Officer Date APR 12 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

RECEIVED
APR 20 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept. 24, 1955 thru Dec. 16 195 5 Docket No. DMEA 3555 Contract No. Icm E-791

Operator's Name Four Corners Exploration Company Minerals Uranium

Address 205 Petroleum Bldg., Grand Junction, Colorado

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	foot	7,300.80	2,028.0	14,128.20	3,924.5	$3.60	3240	$3.60
Churn Plug bit	foot	7,993.35	2,960.5	14,735.25	5,457.5	$2.70	3560	$2.70
Auger								
Stripping								
Trenching								
Test Pits Bulldozer Moves	move	0	0	150.00	3	50.00	6	50.00
Roads and Trails Bulldozing	hour	737.00	67	1647.00	147 1/3	11.17	72	12.00
Chemical Assays	Assay	70.00	28	334.24	78	4.28	40	5.00
TOTAL DISTRIBUTED COSTS		16,101.15		30,994.69				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		16,101.15		30,994.69				

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 2-11-56 Operator Four Corners Exploration Co.

Per Forrest Fincher Title Geologist

J O Maul Partner

REMARKS: Authorized first stage units were not carried into columns under-authorized by contract. The above units listed under Authorized by contract are second stage values.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
APR 20 1956

Administrative Audit Difference Statement

C. A. Creer
502 Alice Drive
Albuquerque, New Mexico

Date: April 16, 1956
Payee's Reference: November & December 1955

FINAL DISTRIBUTION

Gentlemen:

MADE APR 18 1956

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

Amount Claimed	$ 16,101.15
Difference	$ 305.63
Amount Approved	$ 15,795.52

The reason for the difference was due to:

Disallow:

(a) the cost of 27.33 hrs of bulldozing at 11.00 per hr. The contract allowance of 72 hrs. of bulldozing under stage II has been exceeded by 27.33 hrs.	300.63
(b) one sample analysis @ 5.00 claimed 14 sample analysis but submitted assay returns for only 13 samples.	5.00

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
APR 20 1956

224 New Customhouse
Denver 2, Colorado

April 12, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3555 (Uranium) Contract Idm-E791, W. A. Greer (Four Corners Exploration Company) Bachelor claims, San Miguel and Montrose Counties, Colorado - Operator's Monthly Progress Report for the period October, November and December, 1955

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, 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. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

The Operator was unable to probe hole B-71. However, as indicated in the inspecting engineer's report, the core recovery was excellent and samples indicating significant mineralization were obtained, therefore the contract requirement for probing this hole is waived.

Disallow

a) An amount of $300.63, the cost of 27.33 hours of bulldozing at $11.00 per hour. The contract allowance of 72 hours of bulldozing under Stage II has been exceeded by 27.33 hours.

b) An amount of $5.00 for one sample analysis at $5.00. The Operator has claimed the cost of 14 sample analyses for this period but has submitted assay returns for only 13 samples.

Reconciliation With Amount Claimed by Operator on Form MF-104 for this period

Amount claimed on Form MF-104----------		$16,101.15
Disallowances		
Bulldozing--------	$300.63	
Sample Analyses--	5.00	
Total disallowed		305.63
Adjusted claim for this period----------		$15,795.52
Recommended payment to Operator at 75%------		$11,846.64

Remarks

Date of Report----------February 11, 1956
Date Received in Field Office---------- February 15, 1956
Date Received in Region Office--------- - March 21, 1956
Reason For Delay: Report was held in Grand Junction Office pending receipt of logs and assay certificates from the Operator

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E791
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy engr's. report
Cooper
Chron.

RECEIVED
APR 20 1956
MAR 21 1956
BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
March 20, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: M. E. Salsbury

Subject: DMEA 3555, Contract Ism-2791 (Uranium) W. A. Greer, Bachelor claims, San Miguel and Montrose Counties, Colo. - Progress report for October, November and December 1955

Operations under the subject contract were inspected on September 30, October 27, and December 8, 1955 and January 6, 1956. H. F. Albee, DMEA geologist was present during the inspection on January 6, 1956. The project is in authorized recess.

The operator claims payment for 2960.5 feet of non-core drilling and 2,028.0 feet of core drilling in 14 holes accomplished between September 24 and December 16, 1955. All of the drilling was under Stage II of the contract, authorized by Amendment No. 1 dated October 17, 1955, and work approvals dated September 26 and November 29, 1955. Claims are itemized as follows:

Core drilling, 2,028 feet at $3.60	7300.80
Plug bit drilling 2,960.5 feet at $2.75	7993.35
Bulldozing 67 hours at $11.00	737.00
Chemical analyses 14 samples at $5.00	70.00
Total	$16,101.15

All claims are in accordance with contract terms and within contract maximum. Claims for drilling are supported by driller's, radiometric and lithologic logs, in which footages agree except on hole No. B-76 for which the lesser footage is claimed. Claim for chemical analyses is supported by assay certificates for 13 samples. The short form contract is on a fixed cost basis and documentation of the claim for bulldozing is not required. Bulldozing is claimed at a unit cost of $11.00 per hour, whereas the allowable unit cost is $12.00.

Holes are summarized in Table 1. Two out of fourteen holes penetrated ore grade mineralization. Drilling and supervision appear to have been satisfactory, and performance in accordance with contract terms. Work under the DMEA project was not carried on continuously during the project but was done along with other offset drilling, the results of which were needed by the operator as a basis for justifying a shaft on the project. Shaft sinking is now in progress.

Hole locations were checked during the various inspections and found to conform to approved locations.

The core from the DMEA holes has been stored in cardboard boxes at the project camp and is intact except for portions which were split for chemical analyses. The Government's split of these sections has been delivered to the Geological Survey warehouse in Grand Junction, Colorado. The amount of core actually in the core boxes at the project camp was checked and found to agree with the footage of coring reported and claimed. Overall core recovery is reported as 97 percent. None of the core has as yet been logged or condensed by Geological Survey personnel. None of the second Stage holes were probed by the DMEA gamma-ray unit. They have been probed by the Atomic Energy Commission and by the operator with the exception of hole No. B-71, in which the operator was unable to lower the probe below 184.5 feet. However, core recovery was excellent in this hole and chemical analyses of significant mineralization in the core were made.

The operator has submitted in quintuplicate for the 3 month period, a narrative report with map and drill hole tabulations, forms MF-104 and MF-104A, and one copy each of driller's, lithologic and radiometric logs and certified certificate for 13 chemical analyses, one less than claimed.

The number of chemical analyses shown in the MF104A form is 28, but the amount claimed is for 14 samples. This was explained by the operator by the fact two analyses were counted for each sample. Monthly totals on the MF-104 and MF-104A forms are correct. Totals previously reported and cumulative totals have had previous unauthorized expenses deleted, but do not reflect a disallowance of $194.24 made on the claim for August-September, 1955.

Payment is recommended of $12,072.11 or 75 percent the amount claimed, $16,101.15, less $5.00 suspended until a missing assay certificate is furnished.

The operator's narrative report and claim has been held at the Grand Junction office pending receipt of one lithologic log, radiometric logs, and assay certificates, the last of which came February 24, 1956.

The MF-104 and MF-104A reports were signed originally by the geologist and Manol added his signature later.

for M. H. Salsbury
Mining Engineer

cc: 6
5791
Chron

Table 1. W. A. Greer (Four Corners Exploration Company)
DMEA 3555, Contract Idm-E791
Tabulation of second stage drilling up to December 16, 1955

Hole No.	Collar Elev.	Depth by Geol. log (ft) Plug	Core	Total	Depth by driller's log (ft) Plug	Core	Total
B41	6755	206.5	149.5	356.0	206.5	149.5	356.0
B42	6765	198.5	152.0	350.5	198.5	152.0	350.5
B43	6774	222.5	141.5	364.0	222.5	141.5	364.0
B44	6766	214.0	146.0	360.0	214.0	146.0	360.0
B46	6794	231.0	148.0	379.0	231.0	148.0	379.0
B47	6775	221.5	146.5	368.0	221.5	146.5	368.0
B48	6795	222.5	166.0	388.5	222.5	166.0	388.5
B50	6781	232.0	138.0	370.0	232.0	138.0	370.0
B55	6720	191.5	143.5	335.0	191.5	143.5	335.0
B56	6738	201.5	139.0	340.5	201.5	139.0	340.5
B57	6740	201.5	144.5	346.0	201.5	144.5	346.0
B71	6780	200.5	142.0	342.5	200.5	142.0	342.5
B74		210.0	143.5	353.5	210.0	143.5	353.5
B76	6740	207.0	128.0	335.0	210.0	128.0	338.0
Totals		2960.5	2028.0	4988.5	2963.5	2028.0	4991.5

Hole No.	Depth of Mineralization (ft) from	to	Chem. Assay $\%U_3O_8$	$\%V_2O_5$
B41	barren			
B42	barren			
B43	296.0	297.5	0.05	0.18
	297.5	298.5	0.08	0.20
	298.5	299.0	0.16	0.38
	299.0	300.0	1.01	1.61
	300.0	301.0	0.99	4.43
	301.0	302.0	0.57	3.10
	302.0	303.0	0.35	3.07
	303.0	306.3	0.35	3.08
	306.3	306.9	0.07	0.44
B44	291.5	292.0	0.04	0.19
	292.0	293.0	0.95	5.49
	293.0	294.0	1.28	8.10
	294.0	295.0	Tr. (by counter)	
B46	barren			
B47	barren			
B48	barren			
B50	barren			
B55	barren			
B56	barren			
B57	barren			
B71	326.8	328.0	0.17	0.80
	328.0	330.5	0.03	0.11
B74	barren			
B76	barren			

AEC Probing data Depth of Mineralization		counts per min.
336.0	337.0	1100
282.0	284.0	1900
276.0	277.0 (B48)	1700
293.5	294.5 "	2300
282.0	283.0 (B50)	1300
324.0	325.0 (B55)	600
338.0	338.5	775
257.0	257.3	2400
318.0	319.0	1500

Hole No.	Operator's probing data Depth	Percent eU_3O_8	Classification of hole by operator
B41	336.0-337.0	.03-.05	favorable
B42	nil		favorable
B43	282.0	.04	highly favorable
	282.5-284.0	.08-.09	
B44	nil		favorable
B46	277.0-280.5	.06-.09	ore
	radon gas? 281.0-287.0	.10-.13	
	288.0-300.0	.15-.20	
	306.5-308.0	.07-.10	
B47	radon gas? 0 -289.0	.03-.05	ore
	290.0-292.0	.08-.11	
	292.5-295.0	.16-.22	
	296.5-298.0	.06-.09	
	radon gas? 298.0-344.0	.04-.05	
	345.0-348.0	.10-.22	
B48	276.0-277.0	.07-.08	highly favorable
	294.5	.10	
B50	283.5-284.0	.06-.07	highly favorable
B55	325.0	.02-.03	semi-favorable
B56	nil		semi-favorable
B57	nil		semi-favorable
B74	329.5-	.03	semi-favorable
	338.0-338.5	.03	
B76	257.5	.05	highly favorable
	258.0	.10	
	319.0-319.5	.04-.07	
	321.0	.05	

RECEIVED
APR 20 1956

DMEA
Date Recd.
RECEIVED MAR 23 1956
APR 20 1956 BUREAU OF
Denver, Colorado

February 6, 1956

Item B-791
Docket 3555

Narrative Report
Second stage of Exploration, Bachelor Claims, Bull Canyon, Colorado

The drilling of "18 second stage" holes, authorized by DMEA personnel, started September 24, 1955. Fourteen of these holes were completed by December 16, 1955. After the completion of hole B-74 on the 16th of December, a recess was requested until more favorable weather conditions prevail.

Methods Employed

Both rigs employed were Failing 1500 rotary drills with hydraulic pull-downs. All holes were plugged to a point well above the uppermost ore-bearing sandstone with 4½" tricone rock bits and then cored to the bottom of the hole with 3 5/8" double-tube, ball bearing core barrels. Compressed air was employed as a circulating medium. Both Jacknife and "3rd rim" sandstones were cored and bottom was declared when approximately 6 feet of red mud-stone were penetrated below the "3rd rim" sandstone lens.

All core was boxed and stored after graphic, detailed lit clogic logs were prepared on acetate. All holes, with the exception of hole B-71, were logged by an AEC truck-mounted gamma ray logging unit. When the AEC unit was delayed subsequent to the bottoming of a hole, the hole was logged using a Babbel drill hole probe.

Hole B-71 was an unusually "muddy" hole and all attempts to log it met with failure. In the deepest penetration the probe reached a depth of 184.5'. However, core recovery through both of the target horizons was excellent (90%) and all core was checked with a Babbel counter.

Core which appeared to contain values approaching .1 % U_3O_8 and distributed through a vertical range of 2 feet was split and sent to Brown laboratories for chemical analysis of U_3O_8 and V_2O_5.

A split of all assayed core has been submitted to the AEC field office at Grand Junction. All other core is boxed and stored at our camp at Bachelor Draw.

Results

The results obtained by drilling the fourteen "second stage" holes have been excellent.

Holes B-46 and B-47 contain high grade ore of suitable thickness. Holes B-43, B-48 and B-50 contain mineralization which may well correlate with the ore horizons of B-46 and B-47. Using these "second stage" holes as guides, our company has closed in on these favorable areas with 50 foot offsets and has succeeded in blocking out a sufficient amount of ore to warrant the sinking of a two compartment shaft to a depth of 340', which we are now in the process of sinking.

RECEIVED
APR 20 1956

Evaluation of Drill Holes ("Second Stage")

Holes B-55, B-56 and B-57, offsets around B-10, are classified as semi-favorable on the basis of weak mineralization (B-55) green mudstone balls, carbon and traces of V_2O_5.

Holes B-41, B-42, B-44 are classified as favorable on the basis of thick favorably colored Jacknife sandstone units.

Holes B-43, B-48, B-50 and B-76 are considered to be highly favorable on the basis of visible uranium and vanadium mineralization and for containing thick Jacknife sandstones and green mudstones,

Hole B-71 is considered favorable on the basis of heavy mineralization in the "3rd rim". B-74 is considered semi-favorable on the basis of a thick Jacknife sandstone and traces of V_2O_5 in the "3rd rim".

Holes B-46 and B-47 contain respectively; 10 feet and 2 feet of high grade ore.

2028.0 feet of hole were cored of which 1992.5' were recovered; an overall core recovery of 97%. Virtually all core loss took place in the mudstones with recovery in the sandstones being practically 100%.

FOUR CORNERS EXPLORATION CO.
205 PETROLEUM BUILDING
GRAND JUNCTION, COLORADO

By: J O Maul - Partner

DMEA Docket 3555

Tabulation of Drill Hole Results - Second Stage of Drilling

Idm E-791, Bachelor Claims, Bull Canyon, Colorado.

Hole No.	Non-core	Core	Bottom	Mineralization From	To	U_3O_8	V_2O_5
B-41	206.5	149.5	356.0	336.0	337.0	1100 CPS	AEC Unit
B-42	198.5	152.0	350.5	Barren			
B-43	222.5	141.5	364.0	282.0	284.0	1900 CPS	AEC Unit
B-44	214.0	146.0	360.0	Barren			
B-46	231.0	148.0	379.0	296	297.5	.05	.18
				297.5	298.5	.08	.20
				298.5	299.0	.16	.38
				299.0	300.0	1.01	1.61
				300.0	301.0	.99	4.43
				301.0	302.0	.57	3.10
				302.0	305.0	.35	3.07
				305.0	306.3	.35	3.08
				306.3	306.9	.07	.44
B-47	221.5	146.5	368.0	291.5	292.0	.04	.19
				292.0	293.0	.95	5.49
				293.0	294.0	1.28	8.10
				294.0	295.0	Br - Counter	
B-48	222.5	166.0	388.5	276.0	277.0	1700 CPS	AEC Unit
				293½	-294½	2300 CPS	AEC Unit
B-50	232.0	138.0	370.0	282.0	283.0	1300 CPS	AEC Unit
B-55	191.5	143.5	335.0	324.0	325.0	600 CPS	AEC Unit
B-56	201.5	139.0	340.5	Barren			
B-57	201.5	144.5	346.0	Barren			
B-71	200.5	142.0	342.5	326.8	-328.0	.17	.80
				328.0	-330.5	.03	.11
B-74	210.0	143.5	353.5	338.0	-338.5	775 CPS	AEC Unit
B-76	207.0	128.0	335.0	257.0	-257.3	2400 CPS	AEC Unit
				318.0	-319.0	1500 CPS	AEC Unit
	2960.5	2028.0	4988.5				

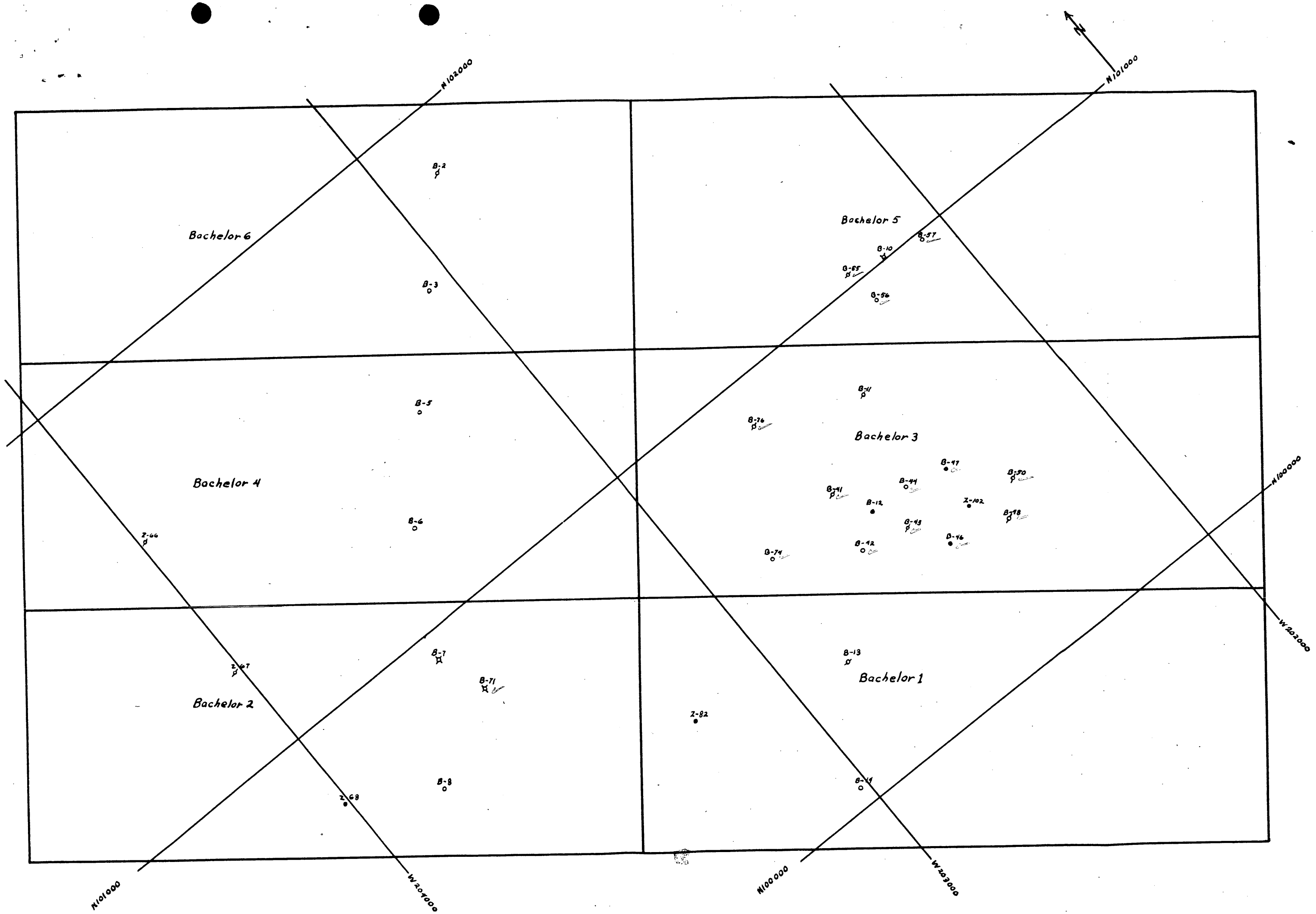
Note: It has been our experience that a CPS in excess of 2500 is necessary to obtain a chemical analysis of .10% U_3O_8 .

Note: You will notice that we are billing for less non-core footage on hole B-76 than is shown by the drillers log. We are doing this because of an apparent discrepancy of 3 feet between the footage reported by the drillers log and the footages indicated by the AEC gamma-log.

Since the core is present in the indicated amount (128.0) we are assuming the error, if there is an error, to be in the "counting of the pipe".

FOUR CORNERS EXPLORATION CO.
205 PETROLEUM BUILDING
GRAND JUNCTION, COLORADO

by: J. Manel - Partner



Drill Hole Map – Bachelor Claims
D.M.E.A. – Second Stage

Drill Hole Values

o – Barren

β – 1'–.01% U_3O_8 to 1'–.10% U_3O_8

☒ – 1'–.10% U_3O_8 to 2' of .20% U_3O_8

● – 2'–.20% U_3O_8 and better

200' 0' 200'

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

RECEIVED
APR 16 1956

224 New Customhouse
Denver 2, Colorado

April 13, 1956

Mr. F. O. Manol
Four Corners Exploration Company
205 Petroleum Building
Grand Junction, Colorado

Re: Docket DMEA - 3555 (Uranium)
Contract Idm-E791
Bachelor Claims
San Miguel and Montrose
Counties, Colorado

Dear Mr. Manol:

Enclosed is a corrected Form MF-104A, Operator's Unit Cost and Progress Report, for the period October, November and December, 1955 which we have prepared to show units and costs of all approved work performed under Contract Idm-E791 through December, 1955. Stages I and II have been entered separately, and all disallowed amounts have been deleted.

We request that you follow the method indicated on the sample form in your future reports. If you have any question, please feel free to contact this office.

Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosure
JDC:jy
cc: Corresp. E791)
Sec. Op. Comm. (2)) w/copy corrected
Shaw (2)) Form MF-104A
Townsend)
Chron.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
APR 16 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of ~~December~~ October, November, 1955 Docket No. DMEA 3555 Contract No. Idm-E791

Operator's Name ~~Four Corners Exploration Company~~ Minerals Uranium

Address ~~205 Petroleum Bldg., Grand Junction, Colo.~~

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								
Drifting ~~Core Drilling~~	~~ft.~~	---	---	6827.40	1896.5	3.60	2160	3.60
Crosscutting ~~Plug Drilling~~	~~ft.~~	---	---	6741.90	2497	2.70	2340	2.70
Raising ~~Dozer Moves~~	~~Move~~	---	---	100.00	2	50.00	2	50.00
Shafts ~~Dozer Work~~	~~Hr.~~	---	---	543.84	48	11.33	48	12.00
Winzes ~~Chem. Analyses~~	~~ea.~~	---	---	70.00	14	5.00	25	5.00
Drilling: Core								
STAGE II								
~~Core Drilling~~	~~ft.~~	7300.80	2028.0	7300.80	2028.0	3.60	3240	3.60
Stripping ~~Plug Drilling~~	~~ft.~~	7993.35	2960.5	7993.35	2960.5	2.70	3560	2.70
Trenching ~~Dozer Moves~~	~~Move~~	---	---	50.00	1	50.00	6	50.00
Test Pits ~~Dozer Work~~	~~Hr.~~	436.37	39.67	802.53	72	11.146	72	12.00
Roads and Trails ~~Chem. Analyses~~	~~ea.~~	65.00	13	65.00	13	5.00	40	5.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		15,795.52		30,494.82				37,535.00

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

Date ..... Operator .....

Per ..... Title .....

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:

(Instructions on reverse)

(For Government use only)

Corrected form to be used as example in preparation of future reports on Form MF-104A

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-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 22 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 10th to September 7, 1955 Docket No. DMEA 3555 Contract No. Idm E--791

Operator's Name Four Corners Exploration Company Minerals Uranium

Address 1118 Main Street--Grand Junction, Colo.

Contract Amount, $37,535.00 Government Participation 75 % Amount, $28,151.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form Core	6,827.40	none	6,827.40			
Drilling Plug	6,741.90	none	6,741.90			
Bulldozing						
Crosscutting						
XXXXXBulldozing	910.00	none	910.00			
Moves "	150.00	none	150.00			
(2) Labor and Supervision:						
Labor Accounting	100.00	none	100.00	not covered by contract		
Supervision Home Office	200.00	none	200.00	not covered by contract		
Technical Services Geol.	700.00	none	700.00	not covered by contract		
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	264.24	none	264.24			
Payroll Taxes						
Liability Insurance						
Travel mileage 2,500	250.00	none	250.00	not covered by contract		
Travel, food & lodging	180.00	none	180.00	not covered by contract		
(8) Contingencies (specify): Overhead-insurences, office expenses, taxes, supplies	254.13	none	254.13	not covered by contract		
TOTALS	16,577.67		16,577.67	14699.30		14699.30

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

Date Oct. 18, 1955 Payee Four Corners Exploration Co.

Per J O Manol Title Partner

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

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

(Instructions on reverse)

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

$11,024.48

Signature RRC
(Authorized Certifying Officer)

Date 12/15/55 Vou. No. DMA-56-50
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm 5791 in accordance with the terms of the contract.

Signature M. H. Halabury 11,024.48 Title Mining Engineer Date 11-1-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature E. M. Hausman Title Acting Executive Officer Date DEC 6 1955

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
DEC 22 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 10 to September 7, 1955 Docket No. DMEA 3555 Contract No. Idm E-791
Operator's Name Four Corners Exploration Company Minerals Uranium
Address 1118 Main St.--Grand Junction, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	ft.	6,827.40	1896½	6,827.40	1896½	3.60	2160	3.60
Churn Plug	ft.	6,741.90	2497	6,741.90	2497	2.70	2340	2.70
Auger								
Stripping								
XXXXXX Trenching Bulldozer	move	150.00	3	150.00	3	50.00	2	50.00
Test Pits Bulldozer	hour	910.00	80.33	910.00	80.33	11.33	48	12.00
Roads and Trails								
Chemical Assays	each	264.24	50	264.24	50	5.28	25	5.00
TOTAL DISTRIBUTED COSTS		14,893.54		14,893.54				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Supervision & Overhead		1684.13		1,684.13				
TOTAL COSTS		16,577.67		16,577.67				

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 Oct. 18, 1955 Operator Four Corners Exploration Company

Per [signature] Title Partner

REMARKS: M. Lakebrink Supervision and other overhead costs are not included in contract. These figures are shown for information only.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
DEC 22 1955

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

Administrative Audit Difference Statement

Date: Dec. 15, 1955
Payee's
Reference: Aug. - Sept. 1955

W. A. Greer
502 Alise Drive
Albuquerque, New Mexico

Dear Sir:

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

Amount Claimed	$ 16,577.67
Difference	$ 1,878.37
Amount Approved	$ 14,699.30

The reason for the difference was due to:

Disallow:

Excess claim for sampling and analysis (Only 14 samples @ $5.00 can be allowed)	194.24
All amounts on the Form 104 carrying the notation "not covered by contract"	1,684.13
	1,878.37

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

Very sincerely yours,

for N. E. Stokes
Audit Section

R-IV-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

December 6, 1955

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket 3555, (Uranium) Contract Ldm-E791, W. A. Greer (Four Corners Exploration Company), Bachelor Claims, San Miguel and Montrose Counties, Colorado - Operator's Monthly Progress Report, for the period August 10 to September 7, 1955

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Disallow

a) An amount of $194.24 for sampling and analysis. Only 14 samples are allowed at $5.00 per sample.
b) All amounts on Form MF-104 which are followed by the notation "not covered by contract." The total of these amounts is $1,684.13.

Total disallowances -- $1,878.37

Remarks

Date of Report- - - - - - - - - - - - - - - - - October 18, 1955
Date Received in Field Office- - - - - - - - - October 20, 1955
Date Received in Region Office- - - - - - - - November 4, 1955
Reason For Delay: Held pending receipt and approval of Operating Agreement and Supplement between Greers and Four Corners Exploration Company

Enclosures

E. N. Harshman

JDC:jy
cc: MF-104 File E791
Sec. Op. Comm. (2)
Chron.
Shaw (2)
Townsend w/copy engr's report

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
November 3, 1955

RECEIVED
DEC 2 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: M. E. Salsbury

Subject: DMEA 3555, Contract Idm-8791, (Uranium) W. A. Greer (Four Corners Exploration Company) Bachelor claims, San Miguel and Montrose Counties, Colorado - Progress report for August-September 1955

Work under the subject contract was started on August 10, 1955, and Stage I drill site preparation and drilling were completed by September 7, 1955. Part of the bulldozing for authorized Stage II work was also done in September. The project was inspected on September 14, 1955, in company with F. M. Byers of the Geological Survey and F. R. Fischer, geologist in charge of the project for Four Corners Exploration Company. A second inspection was made on September 30, 1955.

The operator claims payment (in August-September 1955) for 2,497 feet of plug-bit drilling and 1,896.5 feet of core drilling in 12 holes, together with Stage I and Stage II bulldozing for access roads and drill sites at a claimed cost of $14,893.54. Government participation at 75 percent is $11,170.16.

During the inspections, the location of the drill sites was verified by checking them on the ground and comparing them with the drill map. Locations were satisfactory. The drill core was stored in cardboard boxes at the operator's camp and has been satisfactorily marked. The DMEA geologist examined portions of the cores, especially hole B-12 which was the best ore hole. The complete core of hole B-12 less the split removed for analysis, was brought to Grand Junction for the use of the Government. Other holes were to be logged and condensed in the field by a DMEA geologist before bringing them to Grand Junction, but this has not been done to date. The footages of core obtained, as noted on the core boxes, check satisfactorily with the coring intervals claimed.

Data on the 12 holes in Stage I are shown in Table 1.

Table 1.--W. A. Greer, DMEA 3555, Contract Idm-8791
Tabulation of first stage drill holes

Hole No.	Collar elevation	Plug depth feet	Core depth feet	Total depth	Depth of mineralization feet	Chemical assay: Percent U_3O_8	Chemical assay: Percent V_2O_5	Chemical assay: Percent $CaCO_3$	U.S.G.S. probing data: Depth of mineralization	U.S.G.S. probing data: Percent eU_3O_8	Classification of hole by operator
B-2	6771	193	202	395	308-309.7	0.03-0.07	0.03				Mineralized
B-3		268.5	122.5	390							Favorable
B-5	6790	290	149	379 1/							Unfavorable
B-6	6804	231	155	386							Favorable
B-7	6800	200	184	384	272.6-273.5	0.08-0.22	0.36-1.10	6.1	274.1-275.4	0.08	Mineralized
B-8	6792	210	132.5	342.5 2/					Barren		Favorable
B-9	6715	169	174	343 3/					Barren		Favorable
B-10	6726	163	183.5	346.5	333.8-336.5	0.12-0.16	0.05-0.07	13.2-31.5	335.0-337.0	0.21	Low grade ore
B-11	6741	190	162.5	352.5	(700 counts per minute by AEC probing)				251.3-252.1	0.011	Mineralized
									254.0-254.7	0.015	
B-12	6775	242.5	118.5	361 4/	264.6-271.3	0.03-0.05	0.20-0.36				Ore
					271.3-274.3	0.88	5.19	3.0	270.7-273.2	0.074	
					274.3-275.0	0.03-0.13	0.03-0.73	2.5			
B-13	6768	185.0	155.0	340	313.0-313.5	0.08	0.13	2.8			Mineralized
B-14	6813	215	157	372 5/					Barren		Favorable
Totals		2497	1896.5	4393.5							

1/ Driller's and lithographic logs give depth of this hole as 380 feet.
2/ U.S.G.S. radiometric log gives depth of this hole as 351 feet.
3/ U.S.G.S. radiometric log gives depth of this hole as 328 feet.
4/ U.S.G.S. radiometric log gives depth of this hole as 350 feet.
5/ U.S.G.S. radiometric log gives depth of this hole as 367 feet.

The holes were logged radiometrically with the operator's equipment, and seven holes were logged by the Geological Survey gamma-ray unit. It is interesting to note that mineralization in holes B-7 and B-12, verified by chemical analysis and examination of the core, is barely indicated by Geological Survey probing results. This discrepancy is unaccounted for so far. Government probing results of hole B-10 check a chemical assay. The 0.5 foot of ore running 0.22 percent U_3O_8, sample 4599-5 on the assay certificate, was not mentioned by the operator in the narrative report.

The operator has since completed 11 holes of Stage II around holes B-10, B-12, and AEC hole E-102, as authorized by the DMEA Field Team, Region III, with discovery of ore or mineralization in at least 2 holes. A request for authorization of the remaining Stage II drilling is being submitted. All work has been done in accordance with the short-form fixed cost contract and claims are within contract maximums, except that plug-hit drilling exceeds the allowable maximum under Stage I, 2340 feet, by 157 feet. Claims for bulldozing exceed Stage I maximums, but the excess is less than the allowance in Stage II, which has been authorized in part.

The operator has submitted, in quintuplicate, a narrative report with map and drill hole tabulations, and forms MF-104 and MF-104A, together with one set each of driller's and lithographic logs, and an assay certificate. The assay certificate lists 17 samples of which only 14 were for DMEA cores.

Monthly totals on the MF-104 forms are correct. The claim for bulldozing is at the rate of $11.33 per hour rather than the $12.00 allowed by contract. The operator has listed on these forms all costs incurred, whether authorized or not, as a matter of information, but unauthorized costs are clearly marked. They have been advised verbally to delete unauthorized costs on succeeding reports, submitting a list of them separately if they want them included as a matter of record.

It is recommended that the claims for August-September 1955 under contract IAm-2791 be approved for payment on the following basis:

Total of claim	$16,577.67
Expenses not covered by contract	1,684.13
Amount which operator intended to claim	$14,893.54
Less amount of claim for sample analyses in excess of the $70.00 which is supported by certified assay certificate for 14 analyses for U_3O_8 and V_2O_5	194.24
Total of expenditures approved by inspecting engineer	$14,699.30
Government participation at 75 percent - the amount recommended for payment	$11,024.48

The operator is submitting a request for authorization to utilize sufficient unused drilling funds to cover the cost of the excess plug-bit footage in Stage I. It would appear to be preferable to obtain these funds by utilizing part of the unused allotment for Stage I core drilling. The amount of coring done in Stage I, averaging 158 feet per hole, was sufficient to cover the potential ore bearing sandstone in the opinion of the inspecting engineer, and transfer of sufficient funds, $423.90, is recommended for approval. The cost to the Government is less than it would have been if the maximum amount of coring had been done. The contract makes no provision for transfer of footage from one category to another or from Stage II to Stage I, and an amendment may be required.

for John T. Shaw
M. H. Salsbury
Mining Engineer

cc 6
MHSalsbury
E791
Chron

MHS/cm

Four Corners Exploration Co.
1118 Main St.
Grand Junction, Colorado

RECEIVED
DEC 23 1955

October 18, 1955

Idm E-791
Docket 3555

Defense Minerals Exploration Administration
224 New Customhouse
Denver, Colorado

NARRATIVE REPORT: First Stage of Exploration, Bachelor Claims, Bull Canyon, Colorado

Exploration under DMEA Contract No. Idm E-791, Docket 3555, was started with one rig August 10, 1955. A second rig was put into operation August 19th. The first stage of drilling, comprising 12 holes, was completed September 7, 1955.

Methods Employed:

Both rigs employed were Failing 1500 Rotary Drills with hydraulic pull-downs. All holes were plugged to a point well above the uppermost ore-bearing sandstone with 4½" tri-cone rock bits; and then cored to the bottom of the hole with 3 5/8" double tube core barrels. Compressed air was employed as the circulating medium. Both Jacknife and 3rd rim sandstones were cored and bottom was declared when approximately 8 feet of red mudstone were penetrated below the 3rd rim sandstone lens.

All core was boxed and stored after graphic, detailed, lithologic logs were prepared on acetate. All holes were logged by the AEC truck mounted gamma ray unit. When the AEC unit was delayed the hole was logged useing a Babbel drill hole probe.

Mineralization which appeared to be in excess of .03% U308 was assayed on the Santa Fe scaler at Prewitt, N.M.. All samples in excess of .03% U308 on radiometric analysis were sent to the Brown Laboratories for chemical analysis of U308, V205, and occasional CaC03 assays. A split of all mineralized core has been kept in original boxes.

Results:

Information gained by the drilling of the first stage includes:
B-5 was somewhat unfavorable.
B-3, B-6, B-8, B-9, and B-14 were essentially barren, but based on color of sandstone, amount of green mudstone, amount of carbon, limonite flecking, and thickness of the ore sands are considered favorable.
B-2, B-7, B-10, B-11, and B-13 contained significant amounts of uranium and vanadium.
B-12 contained 3.7 feet of high grade ore.

1,898.5 feet of hole was cored of which 1,798 feet were recovered; an overall recovery of 94.8%. Virtually all core loss took place in mudstone. Recovery in sandstone being virtually 100%.

Four Corners Exploration Co.
1118 Main St.
Grand Junction, Colorado

October 18, 1955

Contract Idm E-791
Docket 3555

Tabulation of Drill Hole Results--Stage 1 Drilling:

Hole No.	Mineralization From	To	U3O8	V2O5	CaCO3
B-2	308.0	308.8	.03	.03	
	308.8	309.0	.05		
	309.4	309.7	.07		
B-3	favorable criteria in evidence, insufficient mineralization for assaying.				
B-5	unfavorable				mineralization
B-6	favorable criteria in evidence, but insufficient for warrerting assays.				
B-7	272.6	273.0	.08	.36	6.1
B-8	favorable criteria in evidence, but insufficient mineralization to warrent assays.				
B-9	favorable criteria in evidence, but insufficient miner lization to warrent assays.				
B-10	333.8	334.5	.16	.05	31.5
	334.5	336.5	.12	.07	13.2
B-11	sevenhhundred counts per second by AEC unit (.02)?				
B-12	264.6	266.1	.05	.59	
	266.1	270.0	.03	.20	
	270.0	271.3	.04	.36	
	271.3	274.3	.88	5.19	3.0
	274.3	275.0	.13	.73	2.5
	275.0	276.0	.03	.03	
B-13	313.0	313.5	.08	.13	2.8
B-14	favorable criteria in evidence, but insufficiont mineralization to warrent assays.				

Chemical analysis of core was employed throughout the above tabulation. Both our own and the AEC gamma ray logs were much in excess of true values.

I. Rapaport

by: F. O. Manol

F. O. Manol--Partner
1118 Main Street
Grand Junction, Colorado

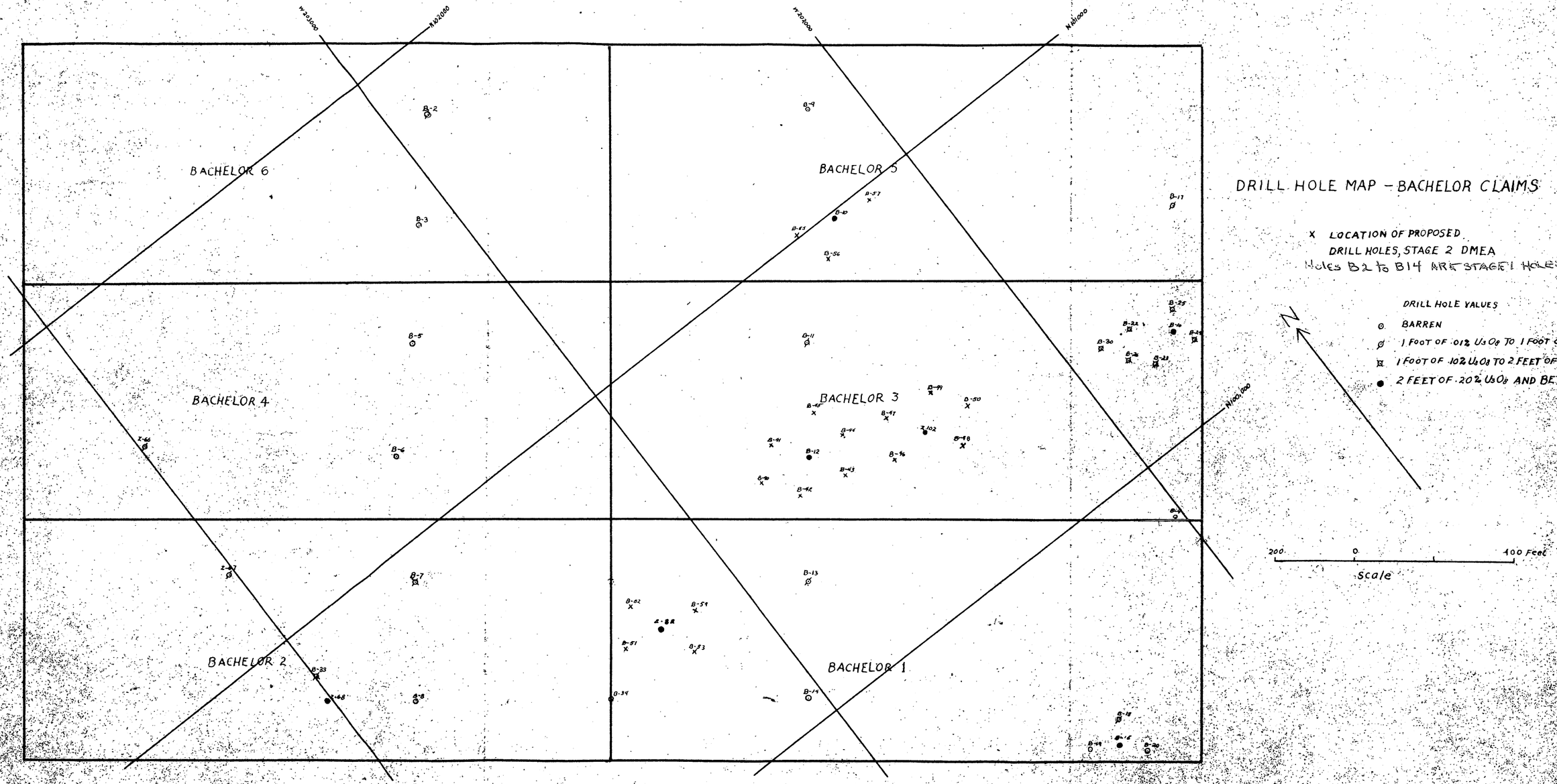
FOUR CORNERS EXPLORATION COMPANY
1118 Main Street
Grand Junction, Colorado

October 18, 1955

Drill Hole Analysis for Stage 1 of DMEA Contract Idm E-791, Docket 3555:

Robberts Drill			Date	Brooks Drill		
Hole No.	Ft. Core	Ft. Plug	Date	Hole No.	Ft. Core	Ft. Plug
B-2		190	8/10			
B-2	86	3	8/11			
B-2	105½		8/12			
B-2	10½		8/13			
B-5		200	8/13			
B-5	38	30	8/14			
B-5	83½		8/15			
B-5	27½		8/16			
B-7	14	200	8/16			
B-7	107		8/17			
B-7	63		8/18			
			8/19	B-14	10½	215
			8/20	B-14	41½	
			8/21	B-14	105	
			8/22	B-13	40	185
B-8		210	8/23	B-13	73	
B-8	111		8/24	B-13	42	
			8/24	B-12		242½
B-8	21½		8/25	B-12	118½	
B-6		221	8/25			
B-6	142½	10	8/26	B-11		120
B-6	12½		8/27			
B-10		163	8/27			
B-10	126½		8/28			
B-10	14½		8/29			
B-9	26	169	8/29			
B-9	94½		8/30			
B-9	18½		8/31			
			9/1	B-11	70	70
			9/2	B-11	92½	
			9/3	B-3		268½
			9/4	B-3	123½	
B-9	23½		9/6			
B-9	11½		9/7			
B-10	42½		9/7			
	1,180	1,396	Totals		716½	1,101

This report submitted solely for the purpose of facilitating the accounting of drilling footages.


DRILL HOLE MAP - BACHELOR CLAIMS
X LOCATION OF PROPOSED DRILL HOLES, STAGE 2 DMEA
Holes B2 to B14 ARE STAGE 1 HOLES
DRILL HOLE VALUES
BARREN
1 FOOT OF .01% U3O8 TO 1 FOOT OF .10% U3O8
1 FOOT OF .10% U3O8 TO 2 FEET OF .20% U3O8
2 FEET OF .20% U3O8 AND BETTER
200 0 400 Feet
Scale
BACHELOR 6
BACHELOR 5
BACHELOR 4
BACHELOR 3
BACHELOR 2
BACHELOR 1
W 200,000
N 200,000
N 100,000

E-791

For royalty payment of $492.13, dated December 15, 1960, see transmittal letter file.

DEC 29 1960

Mr. W. A. Greer
562 Alise Drive
Albuquerque, New Mexico

Re: DMEA-3555 (Uranium)
W. A. Greer
Bachelor Claims
Montrose and San Miguel
Counties, Colorado
Contract 14m-2791

Dear Mr. Greer:

A royalty payment of $492.13 received this month completes repayment in full of the Government's participation of $25,977.64 in the above-referenced exploration contract for uranium. As a result of the repayment, the Government retains no lien or claim against the property or any future production therefrom.

Sincerely yours,

George C. Selfridge

Acting Director

FMMurphy/gla (12/28/60)
Rewritten by GCSelfridge/bh (12/29/60)
Copy to: Docket DMEA-3555
Director's Reading File
Frank R. Johnson
Review Committee
Region III (2)
Code 508
CA&A Division

Mr. Homer E. Rosenquist
202 Red Mesa Heights
Grand Junction, Colorado

Mr. Louis F. Caggini
304 Main Street
Grand Junction, Colorado

Contract Adm. & Audit Div.

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

To: W. A. Greer
502 Alisa Drive
Albuquerque, New Mexico

Pursuant to the provisions of Exploration Project Contract No. Idm-4791, dated April 28, 1955, (Docket No. D. A-1555), hereinafter called the "contract," between you 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:

Core and non-core drilling on the land described in Article 2 of the contract intersected uranium-vanadium mineralization of ore grade. The ore occurs as irregularly distributed bodies in the upper sandstone lenses of the Salt Wash member of the Jurassic Morrison formation.

DATED: JUL 1 6 1956

THE UNITED STATES OF AMERICA

By C. F. Mittenzwey
Administrator, Defense Minerals
Exploration Administration

MChing/gla/izm 7-o10-56
cc to: Operator(original)
Four Corners Exploration Co.
205 Petroleum Bldg.
Grand Junction, Colorado
Louis P. Gaggini, Geo-Engineering
304 Main St.
Grand Junction, Colorado
Homer N. Rosenquist
Naturita, County of Montrose,
Contract Adm. & Audit Div.
DMEA Field Team, Reg. III (2)
Finance Office

Docket
Rare & Misc. Metals Div.
Admr.'s Reading File
Operating Committee
Robert W. Geehan, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
F. E. Johnson, Rm. 4460
Mr. Ching

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

JUL 17 1956

Mr. W. A. Greer
507 Alice Drive
Albuquerque, New Mexico

Re: Contract No. DMEA-1555 (Uranium)
Contract No. Ion-791
Accumler Claims
Montrose and
Ouray County, Colorado

Dear Mr. Greer:

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 uranium and other valuable minerals produced from the claims described in Article 2 of the contract, from April 18, 1955, the date of the contract, are subject to the Government's percentage royalty as set forth in the contract until the sum which the Government has expended as its participation interest is repaid, or until April 20, 1965, whichever occurs first.

Payments should be made to Mr. [illegible] Drewer, Executive Officer, DMEA Field Team, Region III, 7th Floor Courthouse 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 the sale of ore 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 Mr. Drewer 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

season or any time for an extended period, please notify Mr. Traver at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

R. O. Mittendorf

Administrator

Enclosure

MChing/jls/lmm 7-10-56

cc to: Four Corners Exploration Co.
205 Petroleum Bldg.
Grand Junction, Colorado
Louis P. Gaggini, Geo-Engineering
304 Rim Street
Grand Junction, Colorado
Homer N. Nowequist
Naturita, County of Montrose, Colorado
Admr.'s Reading File
Operating Committee
Robert W. Geehan, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
DMEA Field Team, Reg. III (2)
Docket
Rare and Misc. Metals Div.
Contract Adm. & Audit Div.
F. E. Johnson
Mr. Ching

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

JUL 17 1956

Four Corners Exploration Company
205 Petroleum Building
Grand Junction, Colorado

Re: Docket No. [illegible]-35[illegible]5 (Uranium)
Contract No. [illegible]791
W. A. Orser
Bachelor Claims
Montrose and
San Miguel Counties, Colorado

Gentlemen:

For your information, a certification of discovery or development has been issued to the operator as a result of the exploration program under the above-referenced contract.

The property as set forth in the contract is included in the property referred to in the Operating Agreement, dated August 29, 1955, and Supplementary Agreement of the same date, between W. A. Orser and Bertha Orser and Four Corners Exploration Company.

We are enclosing the following for your records:

1. A copy of a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract."

2. A copy of the transmittal letter to Mr. W. A. Orser, 502 Aliso Drive, Albuquerque, New Mexico.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures
MChing/gls/ism 7-10-56
cc to: Admr.'s Reading File
Operating Committee
Robert W. Graham, Rm. 3608
T. [illegible] Killingsard, Rm. 5224
D[illegible] Field Team, Reg. I I (2)
Docket
Rare & Misc. Metals Div.
Contract Adm. & Audit Div.
Mr. F. A. Johnson
Mr. Ching

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

709

Mr. Louis F. Maggini
Geo-Engineering
304 Main Street
Grand Junction, Colorado

JUL 17 1956

Re: Docket No. DMEA-3555 (Uranium)
Contract No. DMA-4791
E. A. Greer
Bachelor Claims
Montrose and
San Miguel Counties, Colorado

Dear Mr. Maggini:

For your information, a certification of discovery or development has been issued to the Operator as a result of the exploration program under the above-referenced contract.

The property as set forth in the contract is the same property referred to in the Subordination Agreement, dated June 27, 1955, which was signed by you.

We are enclosing the following for your records:

1. A copy of a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract."

2. A copy of the transmittal letter to Mr. E. A. Greer, 502 Alice Drive, Albuquerque, New Mexico.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosures

MChing/ai 7-10-56
cc to: Admr.'s Reading File
Operating Committee
Robert N. Meehan, Rm. 3603
T. H. Kiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)
Do Not
Rare and Misc. Metals Division
Contract Adm. & Audit Division
L. F. Johnson
Mr. Ching

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

JUL 17 1956

Mr. Homer E. Hemenway
Naturita
County of Montrose
Colorado

Re: Docket No. DMA-3555 (Uranium)
Contract No. [illegible]-791
E. A. Greer
Bachelor Claims
Montrose and
San Miguel Counties, Colorado

Dear Mr. Hemenway:

For your information, a certification of discovery or development has been issued to the Operator as a result of the exploration program under the above-referenced contract.

The property as set forth in the contract is the same property referred to in the Owner's Consent to Lien, dated June 29, 1955, which was signed by you.

We are enclosing the following for your records:

1. A copy of a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract."

2. A copy of the transmittal letter to Mr. E. A. Greer, 522 Alice Drive, Albuquerque, New Mexico.

Sincerely yours,

R. O. Mittendorf

Administrator

Enclosure

Wching/ai 7-10-56
cc to: Admr.'s Reading File
Operating Committee
Robert E. Meehan, Rm. 3638
T. H. Kittelsgard, Rm. 5224
DMEA Field Team, Region III (2)
Docket
Rare & Misc. Metals Division
Contract Adm. & Audit Division
[illegible] Johnson
Mr. Chin

Government's copy

AMENDMENT NO. 2
to
EXPLORATION PROJECT CONTRACT NO. Idm-E791
dated April 28, 1955
DOCKET NO. DMEA-3555
between
THE UNITED STATES OF AMERICA
and
W. A. GREER

It is agreed this 1st day of February, 1956, that the Contract is further amended, effective December 17, 1955, as follows:

1. (a) Work under the Contract shall be suspended during the period beginning December 17, 1955, and ending not later than March 31, 1956.

(b) No costs incurred by the Operator during the period of suspension shall be allowable for contribution by the Government, and the Government shall not contribute to any costs of rehabilitation or repair which, in its opinion, would not have occurred if there had been no suspension of the work.

(c) The Operator, at his 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. In Article 3, the time fixed for the completion of the work is extended from "December 31, 1955," to "June 30, 1956."

This agreement 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 under the provisions of the Contract, or the fixed unit cost of any item of work.

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

THE UNITED STATES OF AMERICA

W. A. GREER

W. A. Greer

By W. M. Sowers
Executive Officer
DMEA Field Team, Region III

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

[illegible] New Customhouse
Denver 2, Colorado

November [illegible], 1955

Mr. F. G. Hanel
Four Corners Exploration Company
P. O. Box 116
Grand Junction, Colorado

Re: Docket DMEA 3535 (Uranium)
Contract [illegible]
W. A. Greer - Bachelor claims,
San Miguel and Montrose Counties,
Colorado

Dear Mr. Hanel:

In reference to your letter of November 1, 1955, this constitutes confirmation of DMEA Field Team, Region III, verbal approval of November 4, 1955, for you to drill seven holes, Nos. B-70 to B-76, inclusive, under Stage II of the Contract.

The locations of the holes are shown on the map entitled, "Figure 1. Isopachous Map of the Bachelor Group of Claims, Showing Thickness of Jackpile Sand, Existing Drill Holes and Location of Proposed Stage II Drill Holes, W. A. Greer (4 Corners Exploration Co.), San Miguel County, Colorado," which is attached hereto and made a part of this work approval.

The drilling shall be performed in conformance with all provisions in the Contract pertaining thereto.

Nothing in this work approval shall be construed to increase the total estimated cost of the project, the amount of the Government's contribution, nor the fixed unit cost of any item of work.

Very truly yours,

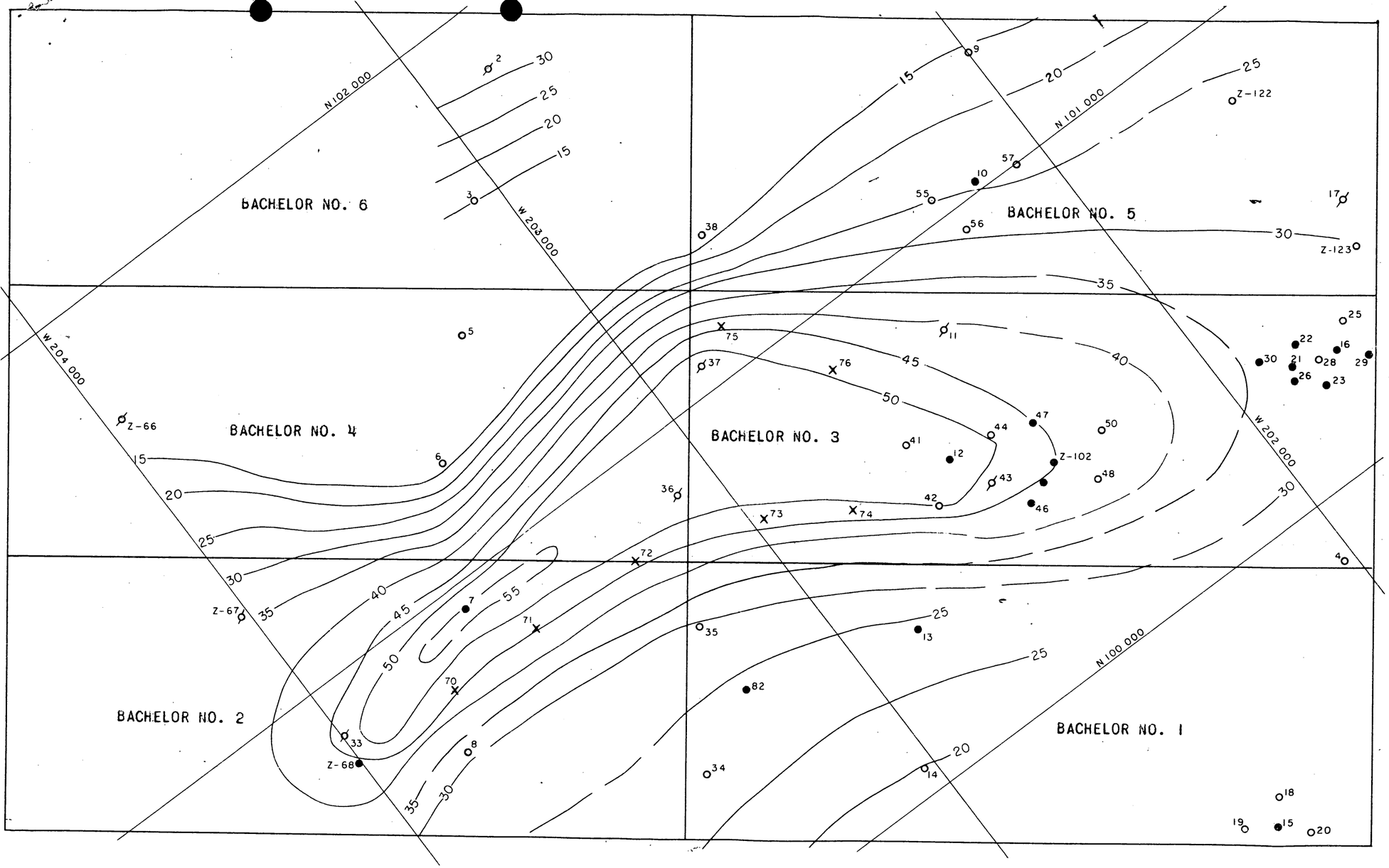
E. M. Harshman

E. M. Harshman
Acting Executive Officer
DMEA Field Team, Region III

JMR:pci
cc: Chairman, Spec. Comm. (4)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3555 NOVEMBER 1955



EXPLANATION

15 — ISOPACHOUS LINE SHOWING THICKNESS OF JACKNIFE SAND

DRILL HOLES. (HOLE NUMBERS WITH PREFIX Z ARE A.E.C. HOLES)

o 56 — BARREN

ø 37 — MINERALIZED

● 82 — ORE-BEARING, 1 FOOT OR MORE OF 0.10 PERCENT U_3O_8 OR BETTER

X 76 — LOCATION OF PROPOSED STAGE II DMEA HOLE

Note: BASE FROM APPLICANTS MAP.

N

200 0 600 FEET

ISOPACHOUS INTERVAL 5 FEET

Figure 1. ISOPACHOUS MAP OF THE BACHELOR GROUP OF CLAIMS, SHOWING THICKNESS OF JACKNIFE SAND, EXISTING DRILL HOLES AND LOCATION OF PROPOSED STAGE II DRILL HOLES. W. A. GREER (U. CORNERS EXPLORATION CO.) SAN MIGUEL COUNTY, COLORADO

MINERAL DEPOSITS
DMEA
RECEIVED
NOV 25 1955
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. BOX 360
GRAND JUNCTION, COLORADO

NOV 25 1955

November 23, 1955

RECEIVED
DEC - 1 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From: J. William Hasler
M. H. Salsbury

Subject: DMEA docket 3555 (Uranium), contract Idm-E 791, Four Corners Exploration Company, Bachelor group of claims, San Miguel and Montrose Counties, Colorado

The Four Corners Exploration Company has applied to the DMEA for a request for 7 additional stage II holes to complete drilling under contract Idm-E 791, docket 3555, in the Bachelor group of claims, Bull Canyon area, Montrose County, Colorado.

The applicant has drilled 11 stage II holes to date and has had favorable results from the holes offsetting ore hole Z-102. Stage II offset hole No. 46 penetrated 7.3 feet of ore-grade material averaging 0.654 percent U_3O_8, between 296 and 306 feet in the hole. Diamond drill hole No. 47 discovered 2.0 feet of material averaging 1.11 percent U_3O_8 between 283 and 285 feet. The company are continuing drilling around mineralized holes B-12, Z-102, B-46, and B-47 on 50-foot centers on their own account to block out ore already discovered. They have concurrently prepared an isopachous map on the Bachelor claims and have delineated a channel trending north-east, and more or less establishing the trend suggested from previous drilling.

The company requests that the remainder of the stage II drilling be done in areas that will test the flanks of this north-east trending channel. Ore deposits in the Bull Canyon area are known to occur on the flanks of channels and it is believed that the chances of discovering ore along the channel are good.

It is recommended that the 7 holes, as proposed on the accompanying figure No. 1, be drilled on the north and south flanks of the thick channel of sand. The holes will average about 345 feet in depth and range from 302 to 388 feet and will be drilled not closer than 100 feet from any previously drilled hole. The company was granted verbal approval from the Region III Field Team on November 4, 1955, and drilling is in progress.

J. William Hasler

J. William Hasler,
U. S. Geological Survey

M. H. Salsbury

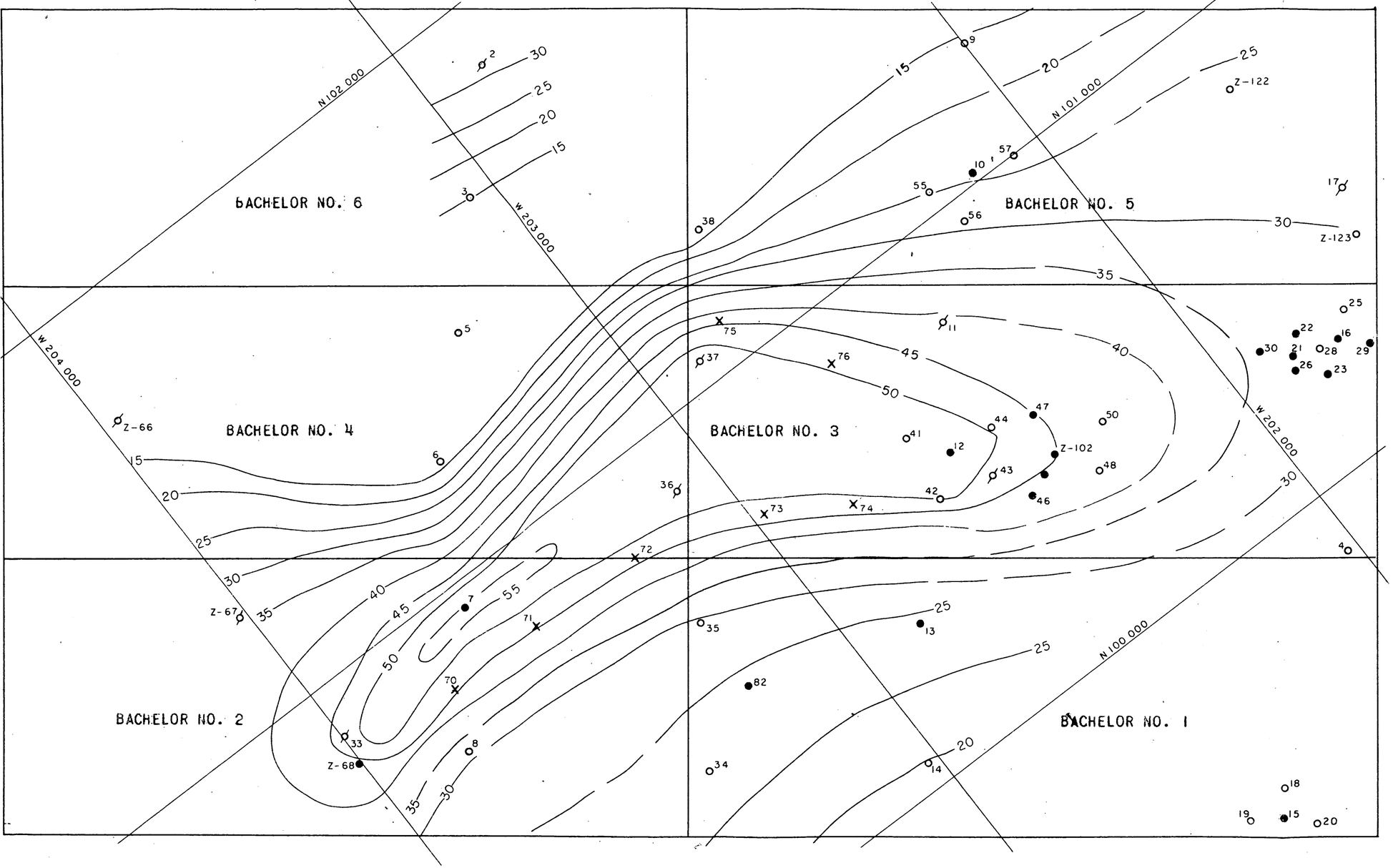
M. H. Salsbury,
U. S. Bureau of Mines

JWH/mlr

Enclosure

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3555 NOVEMBER 1955



EXPLANATION

15 — ISOPACHOUS LINE SHOWING THICKNESS OF JACKNIFE SAND

DRILL HOLES. (HOLE NUMBERS WITH PREFIX Z ARE A.E.C. HOLES)

o56 BARREN

ø37 MINERALIZED

●82 ORE-BEARING, 1 FOOT OR MORE OF 0.10 PERCENT U_3O_8 OR BETTER

×76 LOCATION OF PROPOSED STAGE II DMEA HOLE

Note: BASE FROM APPLICANTS MAP.

N

200 0 600 FEET

ISOPACHOUS INTERVAL 5 FEET

Figure 1. ISOPACHOUS MAP OF THE BACHELOR GROUP OF CLAIMS, SHOWING THICKNESS OF JACKNIFE SAND, EXISTING DRILL HOLES AND LOCATION OF PROPOSED STAGE II DRILL HOLES, W. A. GREER (4 CORNERS EXPLORATION CO.), SAN MIGUEL COUNTY, COLORADO.

FOUR CORNERS EXPLORATION COMPANY
1118 Main Street
Grand Junction, Colorado
November 1, 1955

DMEA Date Rec'd. NOV 4 1955
BUREAU OF MINES Denver, Colorado
RECEIVED DEC 1 1955

Defense Minerals Exploration Administration
224 New Customhouse
Denver, Colorado

Re: Docket No. DMEA 3555
Contract No. Idm-E791
Bachelor Claims

Attention: Mr. William Traver

Dear Mr. Traver:

Pursuant to the approved drilling program on the subject contract we have completed the drilling of the first eleven holes of Stage 2 and we are herewith submitting our request for approval of drilling and drilling locations for the final seven holes of Stage 2.

Of the first eleven holes in Stage 2, two holes (B-46, approx. 7' good ore) (B-47, approx. 3' good ore) contained uranium mineralization of ore grade and ore thickness. The other nine holes all showed evidences of areal favorability, such as color of sandstone, green mudstones, limonite flecking, and thick ore sands. The presence or absence of uranium seems to be tied in very closely with the presence or absence of carbon.

We now have four holes in ore in one localized area (B-12, B-46, B-47, and Z-102). The same area has six other holes with varying degrees of mineralization, but void of ore. All of these holes are essentially on a 100 foot grid; so percentage-wise in this localized area the results are very good: in fact, so good, that we will readily concede a discovery has been made. But to take all risks out before we can start sinking a shaft, we feel we must do more drilling on 50 foot centers; of course, on our own account.

Because, according to the terms of the subject contract we can not use the remaining seven holes in close spaced drilling in our discovery area, we propose to use the remaining seven holes to further explore the very highly favorable areas on the flanks (especially the south flank) of the channel stretching across the claims.

The selection of drilling pattern for the remaining seven holes is the result of conference and complete accord by your Grand Junction Geology Staff and of our Project Geologist. Specifically, we therefore propose the following holes as shown on the enclosed isopach map.

Hole No.	Bottom Depth	Start Core	Hole No.	Bottom Depth	Start Core
B-70	388	238	B-74	370	220
B-71	348	198	B-75	302	152
B-72	322	172	B-76	357	207
B-73	340	190			

These holes we feel will be tremerdously important in the overall exploration project. Stage 1 holes delineated an area of favorability. The first eleven holes of State 2 resulted in a discovery. And the last seven holes, quite possibly, will provide us with extremely helpful information for estimating the extent of a possible ore producing zone.

FOUR CORNERS EXPLORATION COMPANY
1118 Main Street
Grand Junction, Colorado
November 1, 1955

We have chosen to submit this application for the remaining seven holes before we have received back our chemical assays on our cores submitted for assay. Our reason for not waiting for assays before making this proposal on the last seven holes is that we are eager to get started as soon as possible to complete this work before winter and snows arrive. For the same reason we would appreciate your earliest possible approval.

In the meantime we will continue drilling on our own account in the discovery area on close spaced holes.

Sincerely,

F. O. Manol
1118 Main St.
Grand Junction, Colorado

P.S.: Our chemical assays were just returned to us so we are showing this information next below:

	Depth		U308	V205
Hole No. B-~~47~~ 46	296.0 to	297.5	.05	.18
	297.5	298.5	.08	.20
	298.5	299.0	.16	.38
	299.0	300.0	1.01	1.61
	300.0	301.0	.99	4.43
	301.0	302.0	.57	3.10
	302.0	305.0	.35	~~3.08~~ 3.07
	305.0	306.3	.35	3.08
	306.3	306.9	.07	.44
Hole No. B-47	283.0	284.0	.95	5.49
	284.0	285.0	1.28	8.10

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

OCT 24 1955

Memorandum

To: The Administrator, DMEA
Attention: Chief, Rare & Miscellaneous Metals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-3555
W. A. Greer (Uranium)

With a reference slip dated October 11, Mr. Ellis transmitted a copy of an "Operating Agreement" executed by W. A. Greer and wife, Bertha, and by Four Corners Exploration Company, a partnership composed of F. A. Manol and Irving Rapaport. It was requested that this office review the agreement and take such action as is deemed necessary.

The subject exploration contract, dated April 28, 1955, is written on Form MF-200A of June 1954, and states that the land is held by the Operator as a lessee. We understand from Mr. Ching, informally, that the work is very close to completion. The docket indicates that the Government has known since July 1955, that the Four Corners Exploration Company has been performing the project work for the Operator.

The Operating Agreement is dated August 29, 1955, and recites that W. A. Greer and wife have formed a joint venture with Four Corners Exploration Company for the operation of certain properties, including all the land that is the subject of the exploration contract. In brief, the agreement provides for the management, control, and operation of the properties and control of all normal business functions by Four Corners. The agreement contemplates that part of the exploration costs will be financed by monies obtained from DMEA. However, the agreement does not expressly refer to the Government's right to percentage royalty and lien for payment thereof.

The foregoing indicates that the Operator has assigned rights under the contract without the written consent of the Government, as required by Article 1; and has given up possession of the land, without expressly

Four Corners Exploration Company

referring to and providing for the Government's right to percentage royalty and lien for payment thereof, both as required by Article 2(d).

As it appears that the project work is almost completed and the Government has not been harmed in any way by the Operator's technical defaults concerning possession of the land and assignment of rights under the contract, there does not seem to be any point, at this time, in raising these questions. However, in regard to the Operator's failure to make express provision in the Operating Agreement for the Government's royalty and lien, it is appropriate to request the revision of the Operating Agreement to include such a provision, even though it would seem that the Joint Venture is on actual notice of the Government's rights respecting royalty. It is suggested that a letter be written to the Operator requesting that such revision be made.

Robert P. Dwyer

Robert P. Dwyer

See (a) Operating Agreement 8/29/55
(b) Acting Administrator's ltr. 10/26/55 to Operator
(c) Supplemental Agreement 8/29/55
(d) Operating Committee ltr. 12/2/55 to Exec. Officer, Reg. III
all in Docket file.

Talbert 7/10/56

RECEIVED
OCT 2 0 1955

No. 1

AMENDMENT OF CONTRACT: No. Idm-E791

Contract Docket No. DMEA 3555, Contract Idm-E791, dated April 28, 1955, between the United States of America and W. A. Greer is hereby amended as follows, effective September 11, 1955:

Reference is made to EXHIBIT "A" attached to Exploration Project Contract Form MF-200A (Revised June 1954) heading "Description of the work," subheading Stage II

Prior to the start of the exploration project work the Atomic Energy Commission drilled certain holes in the area where the proposed DMEA holes were to be drilled. One of these holes designated as Z-102 disclosed encouraging enough results to warrant additional offset drill holes and it appears advantageous to the Government to authorize such drilling. Therefore the second sentence in the paragraph of subheading under "Stage II" mentioned above which states "The purpose of these holes is to further explore any mineralization or favorable areas found in work under Stage I" is revised to state "The purpose of these holes is to further explore any mineralization or favorable areas found in work under Stage I including the area surrounding Atomic Energy Commission's Drill Hole Z-102." This hole is shown as a letter X within a red square [X] on the map Figure 1 attached to and made a part of this amendment.

Otherwise the drilling must comply with all provisions and is subject to all conditions of the contract.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, nor the agreed unit cost of any item of work.

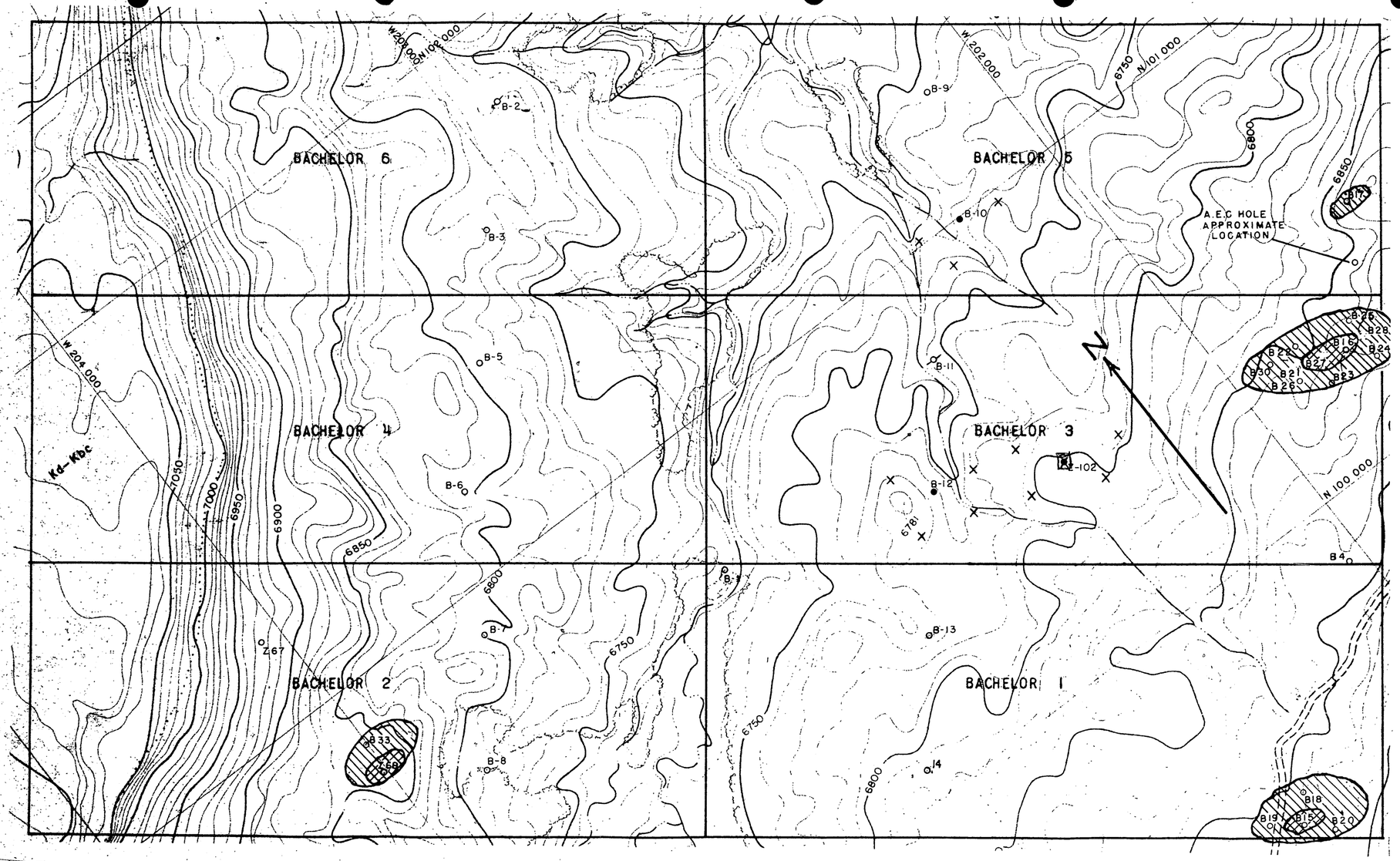
Dated October 17, 1955

UNITED STATES GOVERNMENT

By W. M. Traver
W. M. Traver, Executive Officer, DMEA Field Team, Region III

W. A. Greer
W. A. Greer
Operator

Four Corners Exploration Co.
1118 Main St.
Grand Junction, Colorado
Assignee
by: J. Wand
Partner



EXPLANATION

Kd-Kbc	CRETACEOUS DAKOTA-BURRO CANYON
Jmb	JURASSIC MORRISON BRUSHY BASIN MEMBER
	FORMATION CONTACT
	INFERRED MINERALIZED GROUND
	INFERRED ORE
	DRILL HOLES. HOLES WITH NUMBERS PREFIXED Z DRILLED BY ATOMIC ENERGY COMMISSION. HOLE NUMBERS B-2 THRU B-14 DRILLED UNDER D.M.E.A. CONTRACT, STAGE I. ALL OTHER HOLES DRILLED BY W.A. GREER
o	BARREN
ø	WEAKLY MINERALIZED
●	ORE-BEARING
X	LOCATION OF PROPOSED STAGE II DRILL HOLE

Note: TOPOGRAPHY, GEOLOGY AND CLAIM BOUNDARIES FROM APPLICANTS MAP

200 0 400 FEET
CONTOUR INTERVAL 10 FEET

SECTION 15 (UNSURVEYED)
T. 45 N., R. 18 W.
N.M.P.M.

Figure 1. MAP OF PART OF BULL CANYON DISTRICT, SHOWING LOCATION OF STAGE I DRILL HOLES AND PROPOSED STAGE II DRILL HOLES ON BACHELOR GROUP OF CLAIMS, W.A. GREER (FOUR CORNERS EXPLORATION CO.) SAN MIGUEL COUNTY, COLORADO

25th New Customhouse
Denver 2, Colorado

September 26, 1955

Mr. W. A. Greer
c/o Mr. I. Rapaport
Four Corners Exploration Company
1118 Main Street
Grand Junction, Colorado

Re: Docket RMEA 5955 (Uranium),
Contract 14m-2751, W. A. Greer,
(Bachelor claims) Montrose and
San Miguel Counties, Colorado

Dear Mr. Greer:

Reference is made to a letter of September 12, 1955, signed by I. Rapaport relative to Stage II drilling under Contract 14m-2751.

Confirming verbal approval of September 12, 1955, you are authorized to drill the following holes under Stage II of the Contract:

1. Four holes as offsets to Stage I Hole B-12, averaging approximately 375 feet in depth.

2. Three holes as offsets to Stage I Hole B-10, averaging approximately 360 feet in depth.

3. Four holes as offsets to AEC Hole E-102, averaging approximately 400 feet in depth.

These drill holes are on the Bachelor Nos. 3 and 5 claims at locations shown by a letter X within a red square [X] on the map Figure I, titled "Map of part of Ball Canyon District, showing location of Stage I drill holes and proposed Stage II drill holes on Bachelor Group of claims, W. A. Greer (Four Corners Exploration Co.) San Miguel County, Colorado," attached to and made a part of this work approval. The drilling of the eleven holes must comply with all provisions and is subject to all conditions of the contract.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the amount of the Government's contribution, nor the agreed unit cost for any item of work.

Very truly yours,

ERSA Field Team, Region XII

W. M. Traver

E. N. Hardman

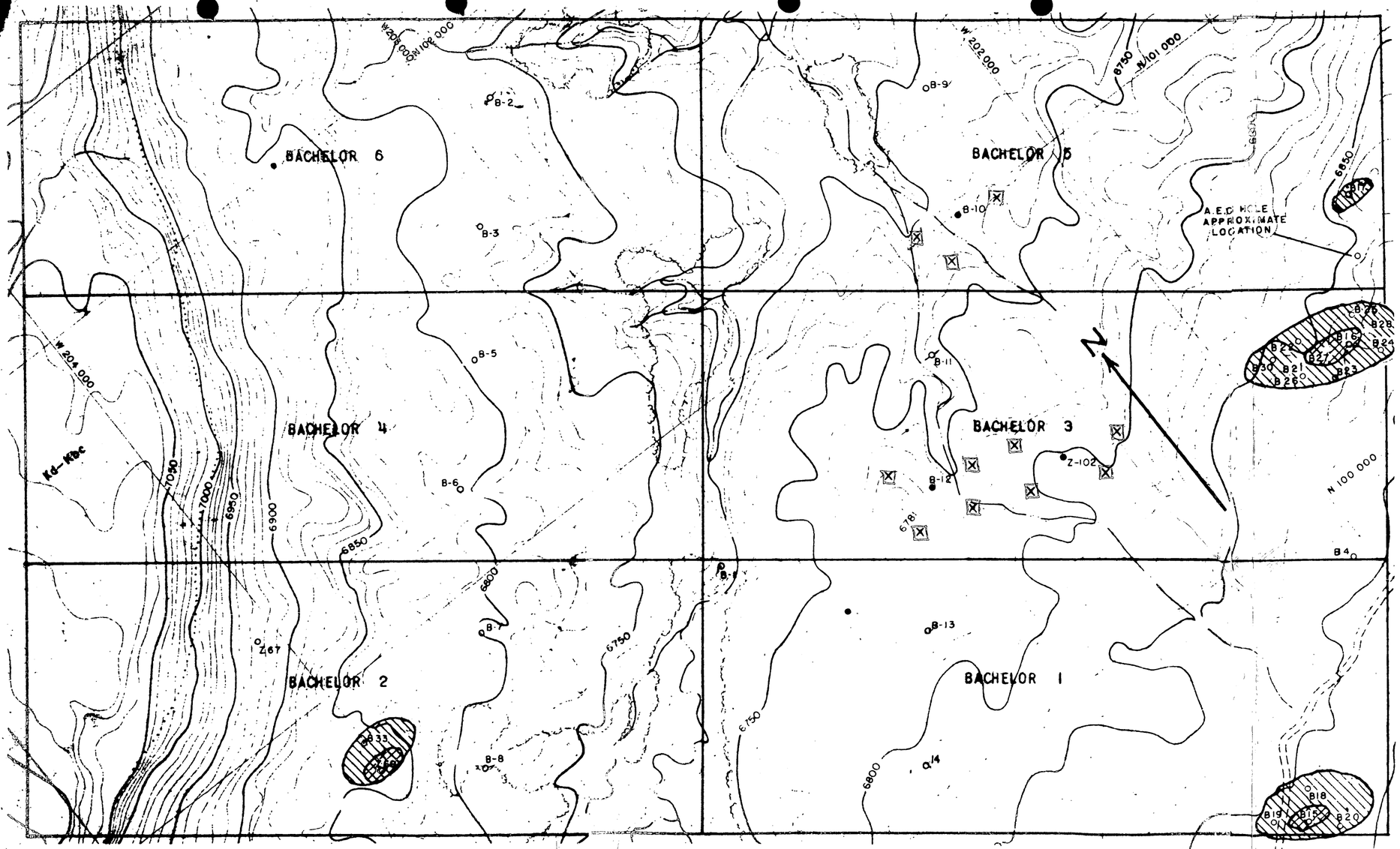
Enclosure

cc Mr. W. A. Greer
708 Alice Drive
Albuquerque, N. M.

WMTrpd
cc: Chairman, Operating Comm. (4)
Christensen
Hardman
Hafer
Shaw (2)
Townsend
Amendment #791
Subject #791
Corres.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3555 REVISED SEPTEMBER 1955



EXPLANATION

Kd-Kbc	CRETACEOUS DAKOTA-BURRO CANYON
Jmb	JURASSIC MORRISON BRUSHY BASIN MEMBER
	FORMATION CONTACT
	INFERRED MINERALIZED GROUND
	INFERRED ORE
	DRILL HOLES. HOLES WITH NUMBERS PREFIXED Z DRILLED BY ATOMIC ENERGY COMMISSION. HOLE NUMBERS B-2 THRU B-14 DRILLED UNDER D.M.E.A. CONTRACT, STAGE I. ALL OTHER HOLES DRILLED BY W. A. GREER
o	BARREN
ø	WEAKLY MINERALIZED
●	ORE-BEARING
X	LOCATION OF PROPOSED STAGE II DRILL HOLE

Note: TOPOGRAPHY, GEOLOGY AND CLAIM BOUNDARIES FROM APPLICANTS MAP

200 0 400 FEET
CONTOUR INTERVAL 10 FEET

SECTION 15 (UNSURVEYED)
T. 45 N., R. 18 W.
N.M.P.M.

Figure 1. MAP OF PART OF BULL CANYON DISTRICT, SHOWING LOCATION OF STAGE I DRILL HOLES AND PROPOSED STAGE II DRILL HOLES ON BACHELOR GROUP OF CLAIMS, W. A. GREER (FOUR CORNERS EXPLORATION CO.) SAN MIGUEL COUNTY, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

DMEA
Date Rec'd.
SEP 23 1955
BUREAU OF MINES
Denver, Colorado

September 21, 1955

Memorandum

To: W. M. Traver Executive Officer, DMEA Field Team, Region III

From: J. W. Hasler, USGS
M. H. Salsbury, USBM

OK E M Hawkinson
JH

Subject: Request for Stage II drilling DMEA docket 3555 contract Idm-E 791 Four Corners Exploration Co. Bachelor group, San Miguel and Montrose Counties, Colorado.

Mr. M. H. Salsbury and I have carefully reviewed the applicants request to drill stage II holes as offset holes found to contain uranium material of ore grade in stage I.

The applicant has requested to offset DMEA hole B-12 with four holes, not less than 100 feet from any previously drilled hole and averaging 375 feet in depth. Hole B-12 discovered 3.7 feet of material assaying 0.72 eU_3O_8 at a depth of 226.5 feet (Fig. 1).

The applicant also requests three stage II offset holes around DMEA hole B-10 averaging 360 feet in depth and not less than 100 feet from any previously drilled hole, and four stage II offset holes from AEC hole Z-102 averaging 400 feet in depth and not less than 100 feet from any previously drilled hole.

DMEA hole B-10 discovered 3.0 feet of 0.48 percent eU_3O_8 between 334 feet and 337 feet as reported by AEC gamma-ray equipment, however, the applicant believes there may be only 2.7 feet of 0.20 percent U_3O_8 in this zone. AEC hole Z-102 found .3 feet of 0.56 percent U_3O_8.

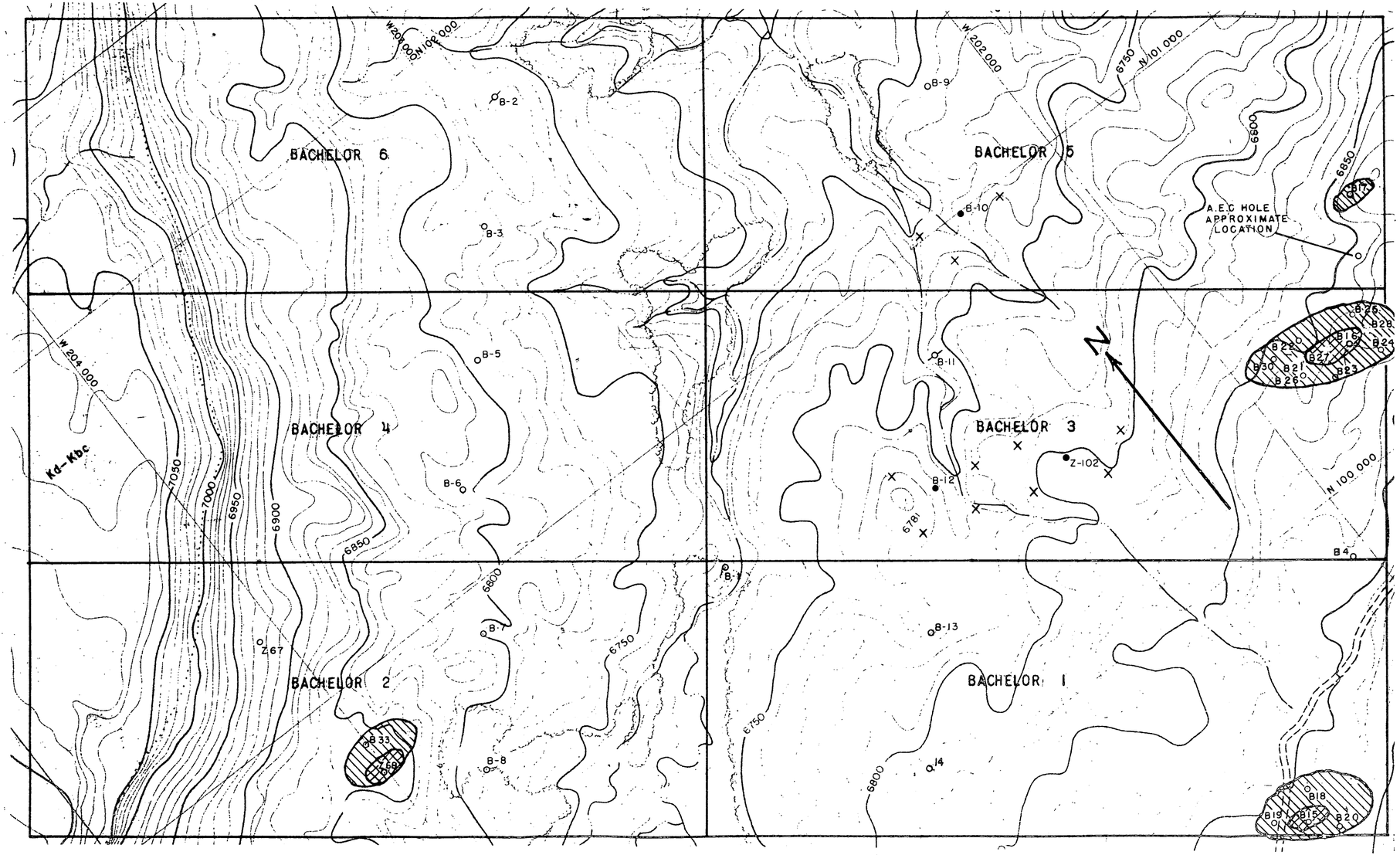
It is recommended that these eleven stage II holes be drilled as proposed by the applicant as there is a good chance of discovering deposits of commercial grade as indicated by stage I drilling. Verbal approval was granted by the Region III Field Team on September 12, and the applicant was notified on that date.

J. William Hasler
J. William Hasler
Geologist

M. H. Salsbury
M. H. Salsbury
Mining Engineer

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3555 REVISED SEPTEMBER 1955



EXPLANATION

Kd-Kbc	CRETACEOUS DAKOTA-BURRO CANYON
Jmb	JURASSIC MORRISON BRUSHY BASIN MEMBER
	FORMATION CONTACT
	INFERRED MINERALIZED GROUND
	INFERRED ORE
	DRILL HOLES. HOLES WITH NUMBERS PREFIXED Z DRILLED BY ATOMIC ENERGY COMMISSION. HOLE NUMBERS B-2 THRU B-14 DRILLED UNDER D.M.E.A. CONTRACT, STAGE I. ALL OTHER HOLES DRILLED BY W. A. GREER
o	BARREN
ø	WEAKLY MINERALIZED
●	ORE-BEARING
X	LOCATION OF PROPOSED STAGE II DRILL HOLE

Note: TOPOGRAPHY, GEOLOGY AND CLAIM BOUNDARIES FROM APPLICANTS MAP

200 0 400 FEET
CONTOUR INTERVAL 10 FEET

SECTION 15 (UNSURVEYED)
T. 45 N., R. 18 W.
N.M.P.M.

Figure 1. MAP OF PART OF BULL CANYON DISTRICT, SHOWING LOCATION OF STAGE I DRILL HOLES AND PROPOSED STAGE II DRILL HOLES ON BACHELOR GROUP OF CLAIMS, W. A. GREER (FOUR CORNERS EXPLORATION CO.) SAN MIGUEL COUNTY, COLORADO

FOUR CORNERS EXPLORATION COMPANY

GRAND JUNCTION COLO GRANTS NEW MEXICO

IRVING RAPAPORT
F O MANOL

September 12, 1955

Mr. William Traver
Defense Minerals Exploration Administration
224 New Customhouse
Denver, Colorado

DMEA Docket 3555

Dear Mr. Traver:

This is to request permission to offset with Stage 2 drilling under Docket 3555 AEC drill holes on the Bachelor Claims in Bull Canyon, Colorado. Mr. Louis Gaggini had previously requested this authority and had been told to prepare an amendment submitting the AEC report and data on the property. It was found that this information was confidential and could not be submitted by an individual not connected with the government. As an alternative, Mr. William Hassler of the Grand Junction office of the DMEA obtained, reviewed, and approved this proposal. (Letter of August 19, 1955 Hassler to Gaggini).

The first stage of drilling on the Bachelor Claims has been completed and a complete report on the results will be submitted as soon as the final assays have been received.

We now request permission to offset DMEA hole B-12 with four holes averaging 375 feet in depth at a minimum distance of 100 feet; DMEA hole B-10 with three holes averaging 360 feet in depth at a minimum distance of 100 feet; and AEC hole Z-102 with four holes averaging 400 feet in depth at a minimum of 100 feet. This request has been reviewed by Mr. Hassler who gave verbal approval August 12, 1955. It is proposed that the positions of the remaining seven holes under this contract be determined as the results of the above eleven holes are gained.

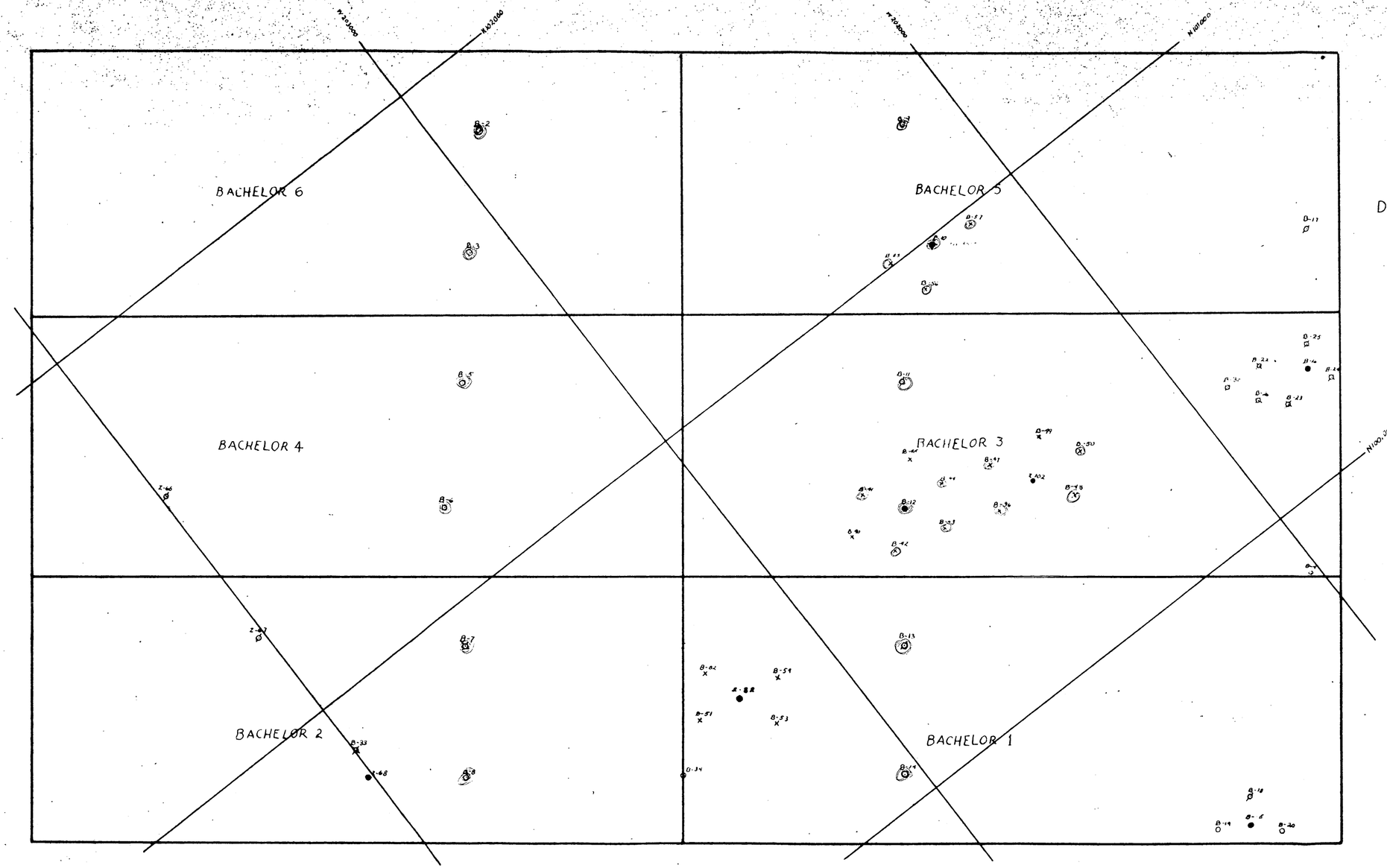
Should the present high rate of discovery be maintained on this property, it may be possible to initiate shaft sinking this year.

Yours truly,

I. Rapaport

by: F. O. Manol--Partner

cc- Mr. Wm. Traver (6)
Mr. Wm. Hassler(1)
Mr. W. A. Greer (1)



DRILL HOLE MAP – BACHELOR CLAIMS

X LOCATION OF PROPOSED DRILL HOLES, STAGE 2 DMEA

LOCATION STAGE I DMEA HOLES

DRILL HOLE VALUES

- BARREN
- 1 FOOT OF .01% U_3O_8 TO 1 FOOT OF .10% U_3O_8
- 1 FOOT OF .10% U_3O_8 TO 2 FEET OF .20% U_3O_8
- 2 FEET OF .20% U_3O_8 AND BETTER

N

200 0 100 Feet

Scale

RECEIVED
SEP 20 1955

Contract No. Idm-E 791

Docket No. DMEA 3555

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 28, 1955	III	Colorado	Uranium

Name and Address of Operator:

W. A. Greer
502 Alisa Drive
Albuquerque, New Mexico

	Reserve	Obligation
Prior Amount		$28,151.25
Increase		
Decrease		2,173.61
Revised Amount		$25,977.64

Remarks:

Robert E. Adams, Chief
(Name)

Operations Control and Statistics Division
(Title)

Date Delivered to Bureau of Mines, Washington 7/18/56

98963

Docket No. DMEA - 3555

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 791

Date of Contract ~~or Amendment:~~ April 28, 1955

Name and Address of Operator:

W. A. Greer
502 Aliso Drive
Albuquerque, New Mexico

Amount of Government participation $ 28,151.25

Percent of Government participation 75 %

Region: 111 State: Colorado

(Name)
J. L. Chambers
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. 4/28/55

54458

Government's RECEIVED

JUL - 5 1955

MF-200A
(Revised June 1954)

Docket No. DMEA - 3555

Commodity Uranium

Contract No. Idm-E 791

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this 28th day of April, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] W. A. Greer, whose mailing address is 502 Aliso Drive Albuquerque, New Mexico, 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-200A), the attached Exhibit "A," Annex I, and .....

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 Colorado, ~~County~~ Counties of San Miguel and Montrose, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] See Annex I, [7] -- recorded in Book --, page --, 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: Royalty claim of Louis P. Gaggini.

(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 of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien of owner and Subordination Agreement of Louis P. Gaggini.

[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."

(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 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(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 August 1, 1955 shall commence the work, and on or before December 31, 1955 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

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) *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.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $37,535.00. The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $28,151.25: *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. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(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. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine 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.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

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

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

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

ARTICLE 7. *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 6) 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 thereof 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 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The 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 8 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 9. *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 10. *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 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

W. A. Greer

W. A. GREER
(Operator)

THE UNITED STATES OF AMERICA

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

~~By~~ .....

.....

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

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

DMEA
Date Rec'd.
JUN 2 1955
RECEIVED
JUL - 5 1955
BUREAU OF MINES
Denver, Colorado

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Colorado, County of San Miguel, described ~~as~~ ~~follows~~:1/ in a lease dated March 15, 1954, and recorded in Book 223, Page 146 of the official records of said County.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ W. A. Greer

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions In paragraph 2 the words "the period fixed in the contract or any amendment thereof has" are substituted for "ten years have."

Dated this 29th day of June, 1955.

Homer N. Rosenquist [Seal]

[Seal]

[Seal]

MF-201
(Revised February 1953)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
SUBORDINATION AGREEMENT

RECEIVED
JUL - 5 1955

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the holder of a mortgage, claim, lien, or encumbrance identified and described as follows*:

10% Royalty reservation as shown on Mining Lease Assignment - Recorded

in County of San Miguel, State of Colorado, June 14, 1954, Book 223, Page 149
upon that certain parcel of ground described in a proposed Exploration Project Contract

between W. A. Greer, 502 Aliso N. E., Albuquerque, New Mexico

and the United States of America;

NOW, THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and any amendments thereof, and agrees that the lien and claim of the United States of America under the provisions of said Exploration Project Contract, and any amendments thereof, shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract, and any amendments thereof.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 27th day of June, 1955

Louis P. Duggins [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]

*Include date of the instrument, and if recorded, book, page, and county of record.

16—68181-1 U. S. GOVERNMENT PRINTING OFFICE

EXPLORATION PROJECT CONTRACT
W. A. GREER
DOCKET NO. DMEA-3555

ANNEX I

The land referred to in Article 2 of the contract consists of six unpatented mining claims situated in Section 14, T. 45 N., R. 18 W., N.M.P.M., San Miguel and Montrose Counties, Colorado, recorded at the San Miguel County Courthouse as follows:

Name of Claim	Book No.	Page No.
Bachelor	174	518
" #2	174	519
" #3	174	519
" #4	174	520
" #5	174	520
" #6	174	521

These claims were leased for a period of ten years by Homer N. Rosenquist to Louis P. Gaggini, by an instrument dated March 15, 1954, recorded in Book 223 at page 146; and the lease was assigned to W. A. Greer by an instrument dated June 4, 1954, recorded in Book 223 at page 149.

The claims are shown on a map, Figure 3, attached to and made a part of the contract, and the location of the claims is shown on an index map, Figure 1, attached hereto and made a part hereof.

RECEIVED
JUL - 5 1955

EXPLORATION PROJECT CONTRACT
W. A. GREER
DOCKET NO. DMEA-3555

EXHIBIT "A"

Description of the Work

The work consists of exploration by plug-bit and core drilling.

The drill holes shall test the principal known ore zone of the land. This zone lies approximately 100 feet below the top of the Salt Wash member of the Morrison formation, consistently occurring in the second sandstone unit from the top of the member. It is anticipated that the average depth of the holes will be approximately 375 feet, of which an average of 180 feet is likely to be cored. The coring should begin about 10 feet above the top sandstone unit of the Salt Wash and should bottom in red mudstone within a 20-foot zone beneath the favorable ore horizon.

All drill core and cuttings shall be saved and split, and one-half retained by the Operator for study or analysis and one-half properly stored for the use of the Government. The Operator's portion shall be checked radiometrically for uranium, and samples indicating significant mineralization shall be analyzed chemically for both uranium and vanadium.

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

All holes shall be reamed and cased as necessary.

The work shall be done in two stages. If, in the opinion of the Government, the results of Stage I warrant further work, the Operator shall perform that work outlined in Stage II which the Government approves in writing in advance.

Notwithstanding any other provision of the contract, no hole shall be drilled which, in the opinion of the Government, would duplicate drilling performed prior to the date of the contract.

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

Stage I

The work under this stage consists of the preparation of access roads and drill sites by bulldozer and the drilling of 12 holes aggregating approximately 4500 feet, in two rows, as shown on the attached Figure 3. The holes in each row shall be spaced approximately 300 feet apart.

Stage II

The work under this stage consists of the preparation of drill sites by bulldozer and the drilling of a maximum of 18 holes aggregating not more than 6,800 feet. The purpose of these holes is to further explore any mineralization or favorable areas found in the work under Stage I. No hole shall be drilled closer than 100 feet to any previously drilled hole.

Fixed Unit Costs

Stage I

2 bulldozer moves on or off property @ $50.00/move 1/	$ 100.00	
48 hours bulldozer work @ $12.00/hr.	576.00	
2340 feet of plug drilling @ $2.70/ft.	6,318.00	
2160 feet of core drilling @ $3.60/ft.	7,776.00	
25 chemical analyses @ $5.00/ea.	125.00	
		$14,895.00

1/ The completed work constitutes the unit.

Stage II

6 bulldozer moves on or off property @ $50.00/move 2/	$ 300.00	
72 hours bulldozer work @ $12.00/hr.	864.00	
3560 feet of plug drilling @ $2.70/ft.	9,612.00	
3240 feet of core drilling @ $3.60/ft.	11,664.00	
40 chemical analyses @ $5.00/ea.	200.00	
		$22,640.00
Estimated Total Cost of Project		$37,535.00
Government Participation @ 75%		$28,151.25

2/ The completed work constitutes the unit.

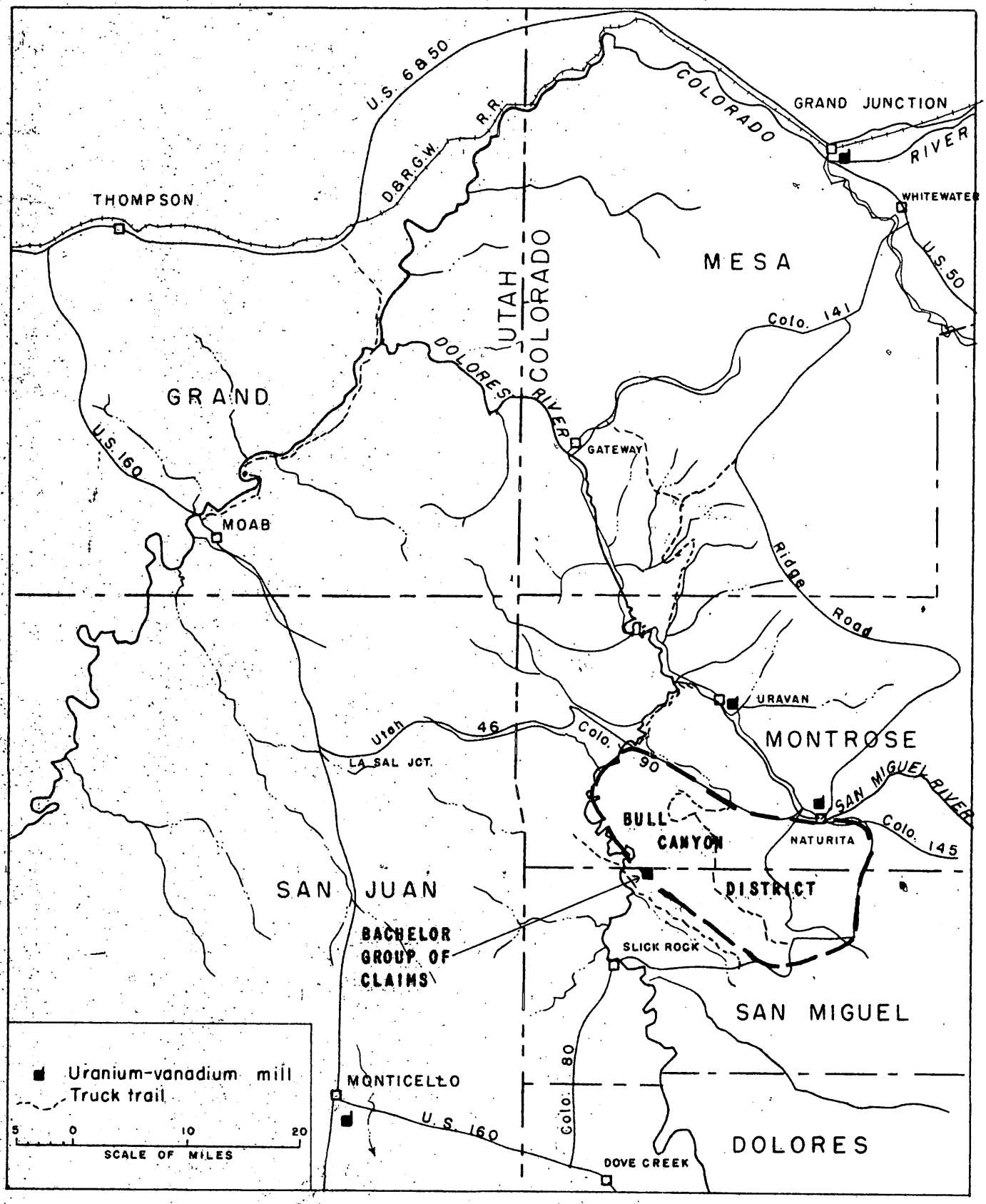
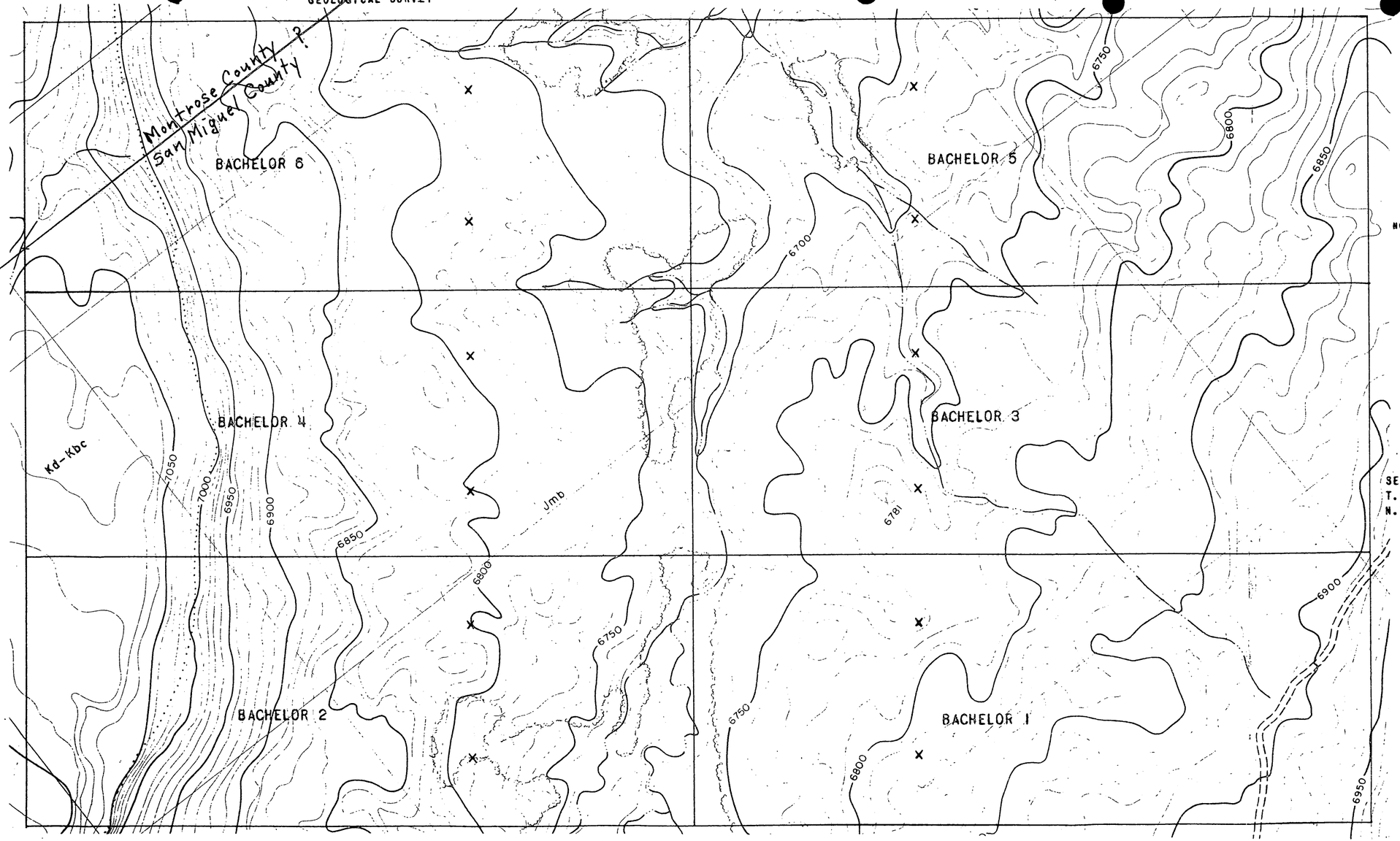


Figure 1. INDEX MAP OF PART OF COLORADO PLATEAU SHOWING LOCATION OF BACHELOR GROUP OF CLAIMS, M. A. GREER, SAN MIGUEL COUNTY, COLORADO

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 3555



EXPLANATION

Kd-Kbc	CRETACEOUS DAKOTA-BURRO CANYON
Jmb	JURASSIC MORRISON BRUSHY BASIN MEMBER
X	LOCATION OF PROPOSED DRILL HOLES, STAGE 1
.....	FORMATION CONTACT

NOTE: TOPOGRAPHY, GEOLOGY AND CLAIM BOUNDARIES FROM APPLICANTS MAP

SECTION 14 (UNSURVEYED)
T. 45 N., R. 18 W.
N. M. P. M.

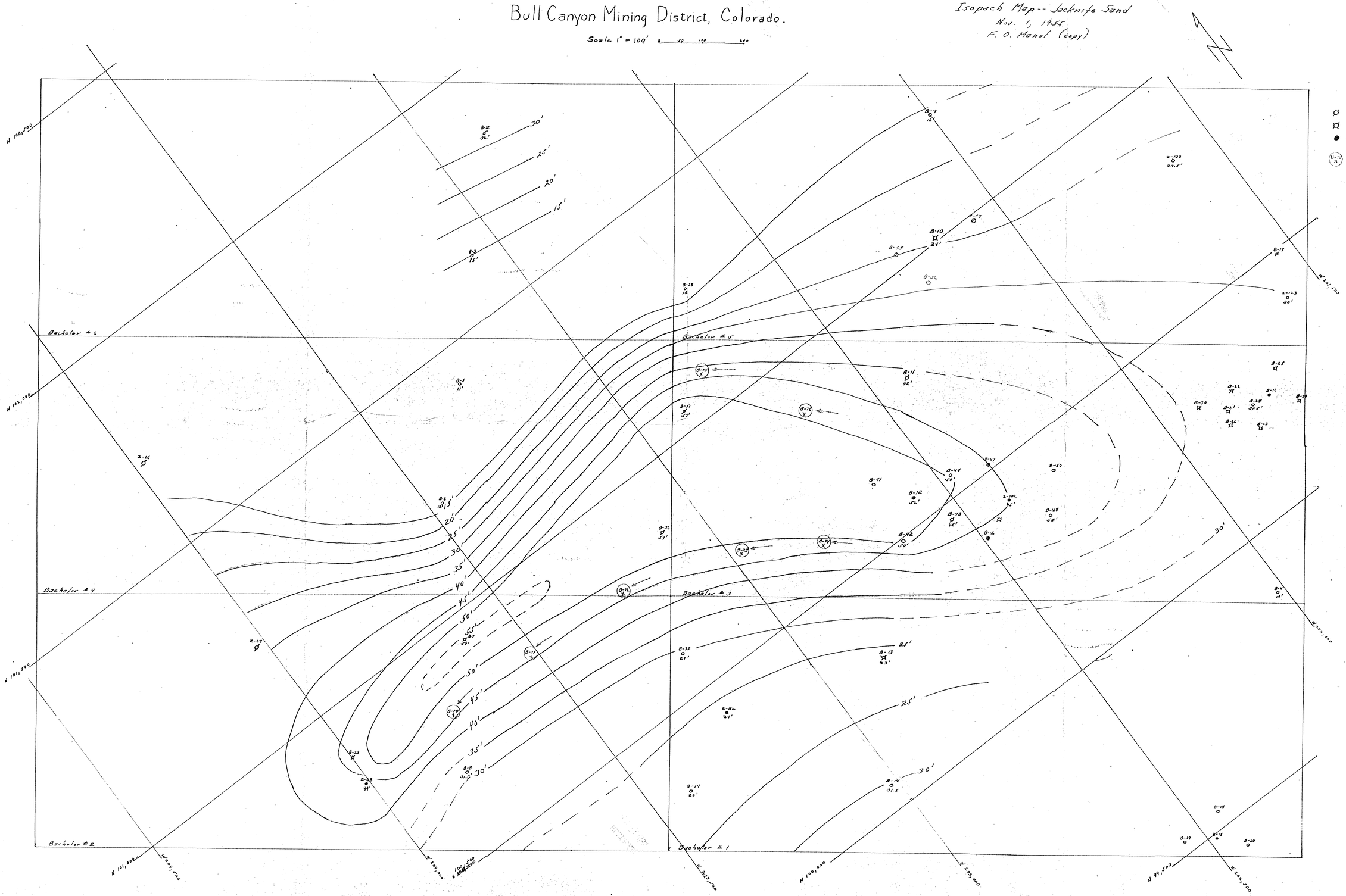
200 0 400 FEET

CONTOUR INTERVAL 10 FEET

Figure 3. MAP OF PART OF BULL CANYON DISTRICT SHOWING LOCATION OF PROPOSED DRILL HOLES ON BACHELOR GROUP OF CLAIMS, W. A. GREER, SAN MIGUEL COUNTY, COLORADO

BACHELOR CLAIM #1 THRU #6

Bull Canyon Mining District, Colorado.

Scale 1" = 100' 0 50 100 200

Isopach Map -- Jacknife Sand
Nov. 1, 1955
F. O. Manol (copy)