UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

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O. M. E.
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DATE	INITIALS	CODE
6/23	Cee	220
"	JEJ	110
6/27	GEF	800
"	Murphy	500
		225

June 21, 1960

Memorandum

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

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Annual Report of Certified Project for the period December 31, 1958 to January 1, 1960

DMEA Docket No. 3555 Contract No. Idm-E791 (Uranium)
W. A. Greer
(Bachelor Mine)
Montrose and San Miguel Counties, Colorado

Enclosed are the original and two copies of the Annual Report of an active certified project.

The Royalty paid to date on the sale of ore from this property has been checked against AEC production records and the Royalty account was in balance as of January 1, 1960.

Hugh M. Connors

Hugh M. Connors

Attachments

Annual
~~Interim~~ Report of Certified Projects

Reporting Period December 31, 1958 to January 1, 1960

Docket and Contract Number DMEA 3555, Contract Idm-E791

Operator W. A. Greer (also Bachelor Mine partnership)

Commodity Uranium - vanadium

Mine Name Bachelor Mine

County and State Montrose and San Miguel Counties, Colorado

Date of Contract April 28, 1955

Date of Certification July 16, 1956

Expiration Date of Royalty Payments April 28, 1965

Date of Examination for this Report June, 1960

Total Amount of Contract $ 37,535.00

Total Expenditures under Contract $ 34,636.85

Amount of Government Participation at 75 % $ 25,977.64

Royalty Payments this Period $ 4,054.63

Previous Royalty Payments 15,486.09

Total Royalty Payments to Date 19,540.72

% Loan Repayment Completed 75.22%

Amount of Royalty Due none

Royalty Remarks Royalty paid to date has been checked against AEC production records.

~~Page 1 of 2~~

Hugh M. Connors
Acting Field Officer, OME, Region III

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 7/1/58 thru 12/31/58

DMEA No.	Operator	Contract No.
3555	W. A. Greer	Idm-E791

ORE ESTIMATES

	Tons	Analysis	
		U_3O_8	V_2O_5
DMEA	1,882	0.40%	2.39%
Operator to date	3,151	"	"
Total	5,033	"	"
Production to date	5,033	"	"
Ore in ground	—		

INVESTMENT

Type	Size		Feet	Cost
Shafts	8'x12'		320	$8,000.
Winzes				
Drifts and Crosscuts	6'x10'		1,200	20,000
Raises				
Drilling	Type Core	NX	14,000	55,000
Rehabilitation	Description			

FACILITIES

Mine Plant	Steel headframe & hoist Wood " " "	50,000 20,000
Mill		
Roads	2000 feet	1,000

REMARKS

Previous lessee removed original surface plant. Present lessee, Bachelor Mine Partnership, rebuilt the head frame and hoisting facilities and reopened the mine

Prepared by Michael Ching Date 3-25-59

31398

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration
224 New Customhouse
Denver 2, Colorado

March 17, 1959

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O. M. E.
RECEIVED MAR 20 1959

DATE	INITIALS	CODE
3/20	G	220
"	[illegible]	110
3/23	[illegible]	800
"	[illegible]	700

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1958 through December 31, 1958

DMEA Docket 3555 (Uranium-vanadium)
Contract Idm-E 791 (Bachelor Mine)
W. A. Greer (also Bachelor Mine partnership)
Montrose and San Miguel Counties, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

J. W. Townsend

Enclosures
HMC/ff

cc: Semiannual Report File Idm-E 791
Harshman
Robertson
Chron.

Semiannual Report of Certified Projects

Reporting Period July 1, 1958 - December 31, 1958

Docket and Contract Number DMEA 3555, Contract Idm-E791

Operator W.A. Greer (also Bachelor Mine partnership)

Commodity Uranium - vanadium

Mine Name Bachelor Mine

County and State Montrose and San Miguel Counties, Colorado

Date of Contract April 28, 1955

Date of Certification July 16, 1956

Expiration Date of Royalty Payments April 28, 1965

Date of Examination for this Report February 18, 1959

Total Amount of Contract $ 37,535.00

Total Expenditures under Contract $ 34,636.85

Amount of Government Participation at 75 % $ 25,977.64

Royalty Payments this Period $ 286.25

Previous Royalty Payments $ 15,199.84

Total Royalty Payments to Date $ 15,486.09

% Loan Repayment Completed 59.61%

Amount of Royalty Due

Royalty Remarks The Operator does not stockpile production subject to OME royalty.

DMEA-35[illegible] Contract Idm-E791

	Tons	U_3O_8	Analysis V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [X]	1,882	0.396%	2.387%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]			
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA (conc/ore) (This period)*	180.286	0.30%	2.10%
(Previous)	4,852.959	0.40%	2.48%
(To Date)	5,033.245	0.40%	2.47%
" Operator's (conc/ore) (This period)			
(Previous)			
(To Date)			

Percent Revised Reserves Mined *Checks with AEC production records.

(For Uranium Ores Only)

Initial Production Bonus:

Status Operator: Ineligible [ ] Not Applied [ ] Applied [ ] Rec'ing pmt [ ] Pd up [X]

Pounds U_3O_8 produced this period eligible for Bonus	None
Amount of Bonus paid to Operator this period	$ None
Total pounds U_3O_8 produced to date eligible for Bonus	10,000
Total amount of Bonus paid to Operator to date	$ 35,000
Bonus Royalty Paid	$
Bonus Royalty Due	$ None

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost
8x12'	320	$8000				6x10'	1,200	$20,000

Raises Size	Raises Feet	Raises Cost	Rehabilitation Description	Rehabilitation Cost	Drilling Type & Size	Drilling Feet	Drilling Cost
					Core drill NX	14,000	$15,000

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost
Steel Headframe & hoist	$50,000			Access road 2,000 feet	$1,000
Wood Headframe & hoist	$20,000				

Remarks

The previous lessee removed the original surface plant and the current lessee, Bachelor Mine partnership, rebuilt the headframe and hoisting facilities and reopened the mine.

Signed H. F. Robertson (Engineer)

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 1/1/58 thru 6/30/58

DMEA No.	Operator	Contract No.
3555	Four Corners Exploration Co. (W.A. Greer)	Idm-E791

ORE ESTIMATES

	Tons	Analysis U_3O_8	Analysis V_2O_5
DMEA	1,882	0.40 %	2.39 %
Operator to date	2,971	"	"
Total	4,853	"	"
Production to date	4,853	"	"
Ore in ground	—		

INVESTMENT

Type	Size		Feet	Cost
Shafts	8' x 12'		320	?
Winzes	—		—	—
Drifts and Crosscuts	6' x 10'		800	?
Raises				
Drilling	Type Core	NX	14,000	$ 55,000
Rehabilitation	Description			

FACILITIES

Mine Plant	steel headframe & hoist	$ 50,000
Mill	—	—
Roads	2000 ft.	?

REMARKS

Production prior to this period was by Four Corners Exploration Co. Mine is now leased to a four-man partnership who are rebuilding the headframe and hoisting facilities removed by Four Corners.

Prepared by Michael Ching Date 10-17-58

31398

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
October 8, 1958

OFFICIAL FILE COPY O. M. E. RECEIVED OCT 13 1958		
DATE	INITIALS	CODE
10/13	C	220
		~~100~~
10/13	[illegible]	110
10/14	[illegible]	800
10/16	[illegible]	700

Memorandum

To: Chairman, Operating Committee, OME

From: Acting Executive Officer, OME

Subject: Semiannual Report of Certified Project for the period January 1, 1958 - June 30, 1958

Docket No. DMEA 3555 (Uranium-Vanadium) Contract Idm-E791, Four Corners Exploration Company, (W.A. Greer) (Bachelor mine) Montrose and San Miguel Counties, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. N. Harshman

E. N. Harshman

Enclosures

Semiannual Report of Certified Projects

Reporting Period - January 1, 1958 - June 30, 1958

Docket and Contract Number - DMEA 3555, Contract Idm-E791

Operator - Four Corners Exploration Company (W. A. Greer)

Commodity - Uranium - Vanadium

Mine Name Bachelor mine

County and State - Montrose and San Miguel Counties, Colorado

Date of Contract - April 28, 1955

Date of Certification - July 16, 1956

Expiration Date of Royalty Payments - April 28, 1965

Date of Examination for this Report - August 13, 1958

Total Amount of Contract - $37,535.00

Total Expenditures under Contract - $34,636.85

Amount of Government Participation at 75 % $25,977.64

Royalty Payments this Period - $640.27

Previous Royalty Payments - $14,684.47

Total Royalty Payments to Date - $15,324.74

% Loan Repayment Completed - 58.99%

Amount of Royalty Due --

Royalty Remarks - The Operator does not stokpile production subject to DMEA Royalty.

DMEA 3555 (Uranium-Vanadium) Idm-E791,
Four Corners Exploration Co. (W. A. Greer) January 1, 1958 - June 30, 1958
Montrose & San Miguel Counties, Colorado

	Tons	Analysis U_3O_8	Analysis V_2O_5
Original Estimate of DMEA			
Reserves (Field Team Final Report)	1,882	0.396%	2.387%
Mines [ ] Survey [ ] Joint [X]			
Revised Estimate of DMEA			
Reserves (Field Team)			
Mines [ ] Survey [ ] Joint [ ]			
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA (~~xxxx~~ ore) (This period)*	299.35	0.17%	1.61%
(Previous)	4553.61	0.42%	2.54%
(To Date)	4852.96	0.40%	2.48%
" Operator's (conc ore) (This period)			
(Previous)			
(To Date)			

* Checks with AEC production records

Percent Revised Reserves Mined _____

(For Uranium Ores Only)

Initial Production Bonus:

Status Operator: Ineligible [ ] Not Applied [ ] Applied [ ] Rec'ing pmt [ ] Pd up [X]

Pounds U_3O_8 produced this period eligible for Bonus	None
Amount of Bonus paid to Operator this period	$ None
Total pounds U_3O_8 produced to date eligible for Bonus	10,000
Total amount of Bonus paid to Operator to date	$ 35,000
Bonus Royalty Paid	$ None
Bonus Royalty Due	$ None

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost
8 x 12	320	?				6 x 10	800	?

Raises Size	Raises Feet	Raises Cost	Rehabilitation Description	Rehabilitation Cost	Drilling Type & Size	Drilling Feet	Drilling Cost
					Core drill NX	14,000	55,000

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost
Steel Headframe & gasolene powered hoist	$50,000			Access road 2000 ft	?

Remarks

The Four Corners Exploration Company has canceled their lease and removed all of the surface plant. The mine is now leased to a four-man partnership who are rebuilding the headframe and hoisting facilities.

Signed H. F. Robertson (Engineer)

Ching

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 7/1 - 12/31/57

DMEA No.	Operator	Contract No.
3555	W. A. Greer (Four Corners Explo. Co.)	Idm-E791

ORE ESTIMATES

	Tons	Analysis	
		U_3O_8	V_2O_5
DMEA	1,882	0.40	2.39
Operator to date	2,672	"	"
Total	4,554	"	"
Production to date	4,554	"	"
Ore in ground	—		

INVESTMENT Not available

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Prepared by Michael Ching Date 4-8-58

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

March 27, 1958

DMEA
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3 | Com | 100
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4/7 | Chief | 700

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1957 through December 31, 1957

DMEA Docket 3555
Contract Idm-E 791

W. A. Greer (Four Corners Exploration Company)
(Bachelor Mine) San Miguel County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. M. Harshman

Acting Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:dp

cc: Semiannual Report File E 791
Harshman
Hasler
DMEA/GJ
Chron.

Semiannual Report of Certified Projects

Reporting Period July 1, 1957 through December 31, 1957

Docket and Contract Number DMEA 3555, Contract Idm-E791

Operator W. A. Greer (Four Corners Exploration Company)

Commodity Uranium - vanadium

Mine Name Bachelor Mine

County and State San Miguel County, Colorado

Date of Contract April 28, 1955

Date of Certification July 16, 1956

Expiration Date of Royalty Payments April 28, 1965

Date of Examination for this Report March 12, 1958

Total Amount of Contract $37,535.00

Total Expenditures under Contract $34,636.85

Amount of Government Participation at 75 % $25,977.64

Royalty Payments this Period $4,298.66

Previous Royalty Payments $10,385.81

Total Royalty Payments to Date $14,684.47

% Loan Repayment Completed 56.53%

Amount of Royalty Due None

Royalty Remarks None

	Tons	Analysis U_3O_8	Analysis V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [x]	1,882	0.396	2.387
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	no revision		
Increase of Reserves by work performed subsequent to DMEA project work			
		U_3O_8	V_2O_5
Production DMEA {conc / ore} (This period)	* 1,173.473	0.37	2.54
(Previous)	3,380.133	0.43	2.54
(To Date)	4,553.606	0.42	2.54
" Operator's {conc / ore} (This period)			
(Previous)			
(To Date)			

Percent Revised Reserves Mined 1/ 242%

*Starting w/liq. 6-28/7-27-57 (AEC-0102)
Ending w.liq. 12059 (AEC-0059)

(For Uranium Ores Only)

Initial Production Bonus:

Status Operator: Ineligible [ ] Not Applied [ ] Applied [ ] Rec'ing pmt [ ] Pd up [x]

Pounds U_3O_8 produced this period eligible for Bonus	None
Amount of Bonus paid to Operator this period	$ None
Total pounds U_3O_8 produced to date eligible for Bonus	10,000.00
Total amount of Bonus paid to Operator to date	$ 35,000.00
Bonus Royalty Paid	$ $139.44
Bonus Royalty Due	$ none

Investment Data

Not available for this report

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Rehabilitation Description	Rehabilitation Cost	Type & Size	Drilling Feet	Drilling Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

See attached page for remarks

Signed H. T. Robertson (Engineer)

REMARKS

1/ Production from reserves developed by underground operators has exceeded the ore reserves calculated from drill hole data. Production for period, also production to date check with AEC records. The operator does not stockpile production subject to DMEA royalty.

All shipable ore developed by underground workings on the Bachelor claims has now been mined. Four Corners Exploration Company, the mine operator under an agreement with W. A. Greer, the principal of Contract Idm-E791, has discontinued operations, and does not intend to do more work under the present agreement because the royalty rates are excessive, requiring payments to W. A. Greer and also to the owner of the claims, Homar E. Rosenquist, as well as to the Government. Mr. Oscar Waud, a partner in Four Corners Exploration Company, states that, with the initial production bonus exhausted, the operation is not profitable. There are faces of low grade ore showing in mine workings and exploration might lead to other ore deposits, but the cost of this work, and of other work required to explore the rest of the potential ore bearing areas of the claims would be higher than is justified under the present lease terms.

Table 1 - Shipments from Bachelor claims, according to AEC records for period July 1, 1957 through December 31, 1957.

			U_3O_8		V_2O_5		
Liq. No.	Date	Dry tons	%	Lbs.	%	Lbs.	Mill 1/
0102	7/57	245.49	.51	2,507.45	3.32	16,321.00	15
0198	8/57	226.40	.51	2,316.76	3.13	14,172.00	15
0074	9/57	138.69	.35	969.00	2.08	5,770.00	15
Subtotal	1st¼	610.58	.47	5,793.21	2.97	36,263.00	
0068	10/57	128.86	.33	859.45	2.25	5,806.00	15
0098	11/57	242.86	.27	1,318.57	2.20	10,692.00	15
0059	12/57	191.17	.22	827.89	1.80	6,869.00	15
Subtotal	2nd¼	562.89	.27	3,005.91	2.08	23,367.00	
Total	7/57-12/31	1,173.47	.37	8,799.12	2.54	59,630.00	

1/ Mill 15 is Vanadium Corporation of America, Naturita, Colorado

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 9-26-57

Semi-Annual Report - Certified Project Date 1-1 to 6-30-57

DMEA No. 3555 Operator W. A. Greer Contract No. Idm-E 791

Ore Reserves

Ore Estimates	Tons	Analysis	
Original (DMEA)	1,882	0.40 % U_3O_8,	2.39 % V_2O_5
Increase (Operator)	1,498	"	"
Total	3,380	"	"
Decrease (Production)	3,380	"	"
Net Available	—	—	

Investment

None reported

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Michael Ching

100338

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 9/30

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Original one estimate was on low side
2.
3.
4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

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"	Gen	160

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

September 26, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 3555 (Uranium-Vanadium)
Contract Idm-E 791, W. A. Greer (Bachelor Mine), San Miguel County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

Alternate Acting Executive Officer
DMEA Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 791
DMEA/DFC (2)
DMEA/G.Jct.
Harshman
Hasler
Chron.

Semiannual Report of Certified Projects

Reporting Period	January 1, 1957 through June 30, 1957
Docket and Contract Number	DMEA 3555, Contract Idm-E791
Operator	W. A. Greer (Four Corners Exploration Co.)
Commodity	Uranium-Vanadium
Mine Name	Bachelor Mine
County and State	San Miguel County, Colorado

OFFICIAL FILE COPY
DMEA
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NAME | CODE

Date of Contract	April 28, 1955
Date of Certification	July 16, 1956
Expiration Date of Royalty Payments	April 28, 1965
Date of Examination for this Report	July 11, 1957

Total Amount of Contract	$37,535.00
Total Expenditures under Contract	$34,636.85
Amount of Government Participation at 75 %	$25,977.64

Royalty Payments this Period	$ 7,804.42
Previous Royalty Payments	$ 2,581.39
Total Royalty Payments to Date	$10,385.81
% Loan Repayment Completed	39.98%

Amount of Royalty Due	None
Royalty Remarks	----

	Tons	Analysis U_3O_8	Analysis V_2O_5
Original Estimate of DMEA Reserve (Field Team Final Report) Mines [ ] Survey [ ] Joint [X]	1,882	0.396%	2.387%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	No revision		
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA ore (This period)	* 2,045.48	0.48%	2.87%
(Previous)	1,334.59	0.36%	2.02%
(To Date)	3,380.07	0.43%	2.54%
" Operator's ore (This period) found subsequent			
(Previous) to DMEA work			
(To date)			

* Starting w/Liq. 1-1/1-27-57
Ending w/Liq. 5-28/6-27-57

Percent Revised Reserves Mines 1/ 180%

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Paid up [X]

Pounds U_3O_8 produced this period eligible for Bonus	412.19
Amount of Bonus paid to Operator this period	$ 1,442.66
Total pounds U_3O_8 produced to date eligible for Bonus	10,000
Total amount of Bonus paid to Operator to date	$ 35,000.00
Bonus Royalty Paid	$ 139.44
Bonus Royalty Due	$ None

Investment Data Not available for this report

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

1/ Production from previously unknown deposits has exceeded the ore reserves calculated from drill hole data. AEC production records have been reconciled with royalty records and the first royalty audit dated June 25, 1957.

Signed H. F. Roberson (Engineer)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date April 3, 1957
April 1, 1957

Semi-Annual Report - Certified Project Date July 1 to Dec. 31, 1956

DMEA No. 3555 Operator Four Corners Exploration Contract No. Idm-E 791

Ore Reserves

Ore Estimates	Tons	Analysis	
Original (DMEA)	1,882	0.40 % U_3O_8,	2.39 % V_2O_5
Increase (Operator)	—		
Total	1,882	"	"
Decrease (Production)	1,335	"	"
Net Available	547	"	"

Investment

None.

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Michael Ching

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED APR 3 1957

DATE	INITIALS	CODE
4/3	C	220
4/3	Com	100

April 1, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 3555 (Uranium-Vanadium)
Contract Idm-E 791, Four Corners Exploration (W. A. Greer), (Bachelor Mine), San Miguel County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

C. M. Harshman

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

Enclosures
MHM/vj

cc: Semiannual Report File E 791
J. F. Shaw (2)
Harshman
Hasler
Chron.

Semi-Annual Report of Certified Projects

Reporting Period July 1, 1956 through December 31, 1956

Docket and Contract Number DMEA 3555, Contract Idm-E791

Operator Four Corners Exploration Co., successors to W. A. Greer

Commodity Uranium-Vanadium

Mine Name Bachelor Mine

County and State San Miguel County, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
MAR 26 1957
REGION III
DENVER, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
MAR 20 1957
REGION III
DENVER, COLORADO

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DATE | INITIALS | CODE

Date of Contract 4/28/55

Date of Certification 7/16/56

Expiration Date of Royalty Payments 4/28/65

Date of Examination for this Report January 31, 1957

Total Amount of Contract $37,535.00

Total Expenditures under Contract $34,636.85

Amount of Government Participation at 75 % $25,977.64

Royalty Payments this Period $2,581.39

Previous Royalty Payments none

Total Royalty Payments to Date $2,581.39

% Loan Repayment Completed 9.94

Amount of Royalty Due None

Royalty Remarks

	Tons	U_3O_8 percent Analysis	V_2O_5 percent Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [X]	1,882	0.396	2.387
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	No revision		
Increase of Reserves by work performed subsequent to DMEA project work			
Production DMEA ore (This period)	1,334.59	0.36	2.02
(Previous)	none		
(To date	1,334.59	0.36	2.02
" Operator's ore (This period)			
found subsequent (Previous)			
to DMEA work (To date)			

Percent Revised Reserves Mines 7.09 ? 70.9%?

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [X] Paid up [ ]

Pounds U_3O_8 produced this period eligible for Bonus 9,587.81

Amount of Bonus paid to Operator this period $33,557.34

Total pounds U_3O_8 produced to date eligible for Bonus 9,587.81

Total amount of Bonus paid to Operator to date $33,557.34

Bonus Royalty Paid $ 886.04

Bonus Royalty Due $ 787.99

Investment Data **Not available for this report.**

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Table 1 attached.

Signed H. F. Robertson (Engineer)

H. F. Robertson

TABLE 1 -- Ore shipments from claims subordinated under Docket DMEA 3555, Contract Idm-E791 as shown in AEC production records. Reporting period: July 1 -- December 31, 1956.

Liq. No.	Date	Dry Tons	U_3O_8 %	U_3O_8 lbs.	V_2O_5 %	V_2O_5 lbs.
	Claim - Bachelor		Shipper - Four Corners Exploration Co.			
6763	7-56	51.49	0.19	195.16	1.84	1,892.61
2619	7-56	10.34	0.13	26.87	1.52	314.20
6791	8-56	58.37	0.30	350.18	1.68	1,960.26
6806	8-56	52.44	0.48	500.01	2.69	2,819.13
6848	9-56	79.97	0.41	658.82	2.06	3,296.31
6863	9-56	157.62	0.39	1,226.82	2.02	6,374.93
8204	10-56	220.69	0.32	1,395.76	2.07	9,143.00
8254	11-56	201.87	0.39	1,581.28	2.14	8,638.00
8375	12-56	501.80	0.36	3,652.91	1.95	19,569.00
Total July 1 -- December 31, 1956		1,334.59	0.36	9,587.81	2.02	54,007.44

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DATE	INITIALS	CODE

7-12-56

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

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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

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

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JUL 12 1956

6/27/86

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

RECEIVED JUN 28 1956

FINAL DISTRIBUTION MADE JUN 25 1956

224 New Customhouse
Denver 2, Colorado

June 18, 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.

RECEIVED

JUN 27 1956

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

Region III

DMEA
Date Rec'd.

JUN 18 1956

BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: John P. Ghev
~~M. J. Harshman~~

From: M. J. Salsbury

Subject: Docket DMEA 3555 (Uranium) Contract Idm-2791, J. 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-2791 had been completed.

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

Core drilling, 537 feet at $3.50 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 2[illegible], 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 2,569 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 radioactivity 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

Table I. -- W. A. Gower (Four Corners Exploration Co.)
DMEA 3555, Contract Ian-3791
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.)	329.0-329.9	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	0.085	
B-73	6743	195	133	328	195	133	328	319.0	319.5	0.5	—	--	0.045(avg.)	316.8-317.8	0.038	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									

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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JUN 27 1956

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)

Withheld 100.00

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. DMA 56-121

(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. Tdm E791 in accordance with the terms of the contract.

Signature M. N. Salsbury 3106.52 Title Mining Engineer Date 6-11-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Lowery 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 8791

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								
Core Drilling	ft.			6,827.40	1896.5	3.60	2160	3.60
Plug Drilling	ft.			6,741.90	2497.0	2.70	2340	2.70
Dozer Moves	each			100.00	2	50.00	2	50.00
Dozer Work	hr.			543.84	48	11.33	48	12.00
Chem. Analyses	each			* 70.00	14	5.00	25	5.00
Stage II								
Churn Core	ft.	1933.20	537	9234.00	2565	3.60	3240	3.60
Auger Plug	ft.	2095.20	776	10,088.55	3736.5	2.70	3560	2.70
Dozer Moves	each			50.00	1	50.00	6	50.00
Dozer Work	hr.			* 802.53	72	11.146	72	12.00
Reclaim	---	**93.63		93.63				
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

Remarks: M.R. Salsbury *Reflects disallowanc on November-December 1955 claims.
**Reclaim of difference between previously approved claims for bulldozing $1346.1 and allowable maximums for Stages I and II in contract (120 hours at $12.00 per hr or $1,440.00.)

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

(Instructions on reverse)

(For Government use only)

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

May 22, 1956

Idm B-791
Docket #3555

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
Forrest Fincher
Geologist

Idm B-791
Docket #3555

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 $145,835.80. 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 NF-104 and NF-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 N. H. Salsbury

cc 6
Idm-2791
Chron.

NHS/ch

ORE _____ HOLE NO. B-70 FAV. ✓

MIN. ✓ FAV. ___

BARREN _____

FOUR CORNERS EXPLORATION

CONTRACT Four Corners - Bachelors

LOCALITY Big Cowan CLAIM Bachelor 2

COLLAR ELEV. 6807 DEPTH 369

DATE STARTED 4/11/56

DATE COMPLETED 4/13/56

LOGGED BY EEE DATE 4/14/56

99% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
		R w/s							15½
		Gy Hot						RMS w/s 1' Gy Sil. Ls	17
		YR						← FGS Sd. Ls	11/11
		R	xbd	F				← 2' Gy Ls	
		PK							
		PK	THK						
		PK Gy						← S/Gy Cn int st Ls	10/10
		R						← RMS & FSS	
		Bn R						← 3' Bn MS	
		LGy	THK	F Cm				← Alint st Gy Bn Ls A/CaCO3 (½' units) S/on Bn lim.	10/10
			xbd THK					← Low ↓	10/10
			xbd THK					← High ↓ w/A lim.	
			xbd Thn					← Thn xbd w/FS-A on Bn lim & Px	10/10
			THK	F				← 3 Bn lim & Px	
								A/CaCO3	10/10
	Cn							← 1½' Cn MS	
		R						← RMS & F-SS	
		R							
	Cn					Tr	Tr	← Tr Cb & Pyrite w/s Ox	10/10
		LGy R LGy	THK	F				A/on Cb lim & Px Sp/Gy int st. Ls S/on Cb lim	
			xbd					← Low ↓	10/10
		Gy	xbd THK					← Tr (Sp Cm Bn Gls)	
		LGy	xbd THK						
			xbd					w/Low ↓ xbd	10/10
		Bn Gy						← Tr V2O5	
		LGy	THK						
		Cn						← A/CaCO3 ← 1½ Cn MS	14/14
		R						RMS & FSS	
								Tr Cn Mod	

ORE _____ HOLE NO. B-73 FAV. ✓

MIN. _____ FAV. ___

BARREN ✓

FOUR CORNERS EXPLORATION

CONTRACT Four Corners - Greer

LOCALITY Buff 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 & sst	
								S. Gy Silic. units ½ - 1½' thk.	
220									14/14
		LPPK	THK	VF				← CaCO3	
		LPK Gn PPK						RMs Bls (Small)	
230		LGy Buff	xbd	F				← S/Bh lim. SPX	15/15
		L.Gy	THIC					S/ weath. Feld.	
								← Sm RGls	
240			xbd						
		R						RMs & SST	
									15/15
		PK	THK	VF				← Sm RGls	
250		LGy	Low xbd	F				← Bn lim. SPX	
								Pnkst Gy Ms	
			Hi xbd					← Thin xbd	
260			Low xbd	F-M					15/15
		R						← .3' RMs	
		L.Gy						A/weath Feld	
270									
		R						← RMs & SST	13/14
								S/Gy Mot.	
280									
								← 2' Gn Ms	
		Gn						← A/int. Gn Ms	
290		Gn	THK	VF				S/or Bn Lim SPX	15/15
		L.Gn							
		L.Gy		F					
		Buff							
300		L.Gy		F-M				← No lim. A/weath Feld.	
									16/16
310		Bn L.Gy						312½-313 tr. Vn Os	
320			xbd					← Sc Gn SPX Bl'	
								← CaCO3	13/14
		Gn						← 3' Gn Ms	
		R						RMs & SST.	
330									
340									

ORE _____ HOLE NO. B-72 FAV. ✓

MIN. ✓ FAV. ____

BARREN _____

FOUR CORNERS EXPLORATION

CONTRACT 4 Cors - 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 FRF DATE 4/15/56

96% Recov.

DEPTH	GEOLOGIC COL.	COLOR	BEDDING	TEXTURE	CHEM. ASSAY	CARBON	ORE MINERALS	MISCEL.	DEPTH
160									
170									
								PB-177	
180									14/11
190		Rly S Gy						← Mot R/Gy SSt & VFSS	
200		Gn Mot						S/Silic. units ½' to 1½'	9½/10
210									9½/10
220		Pale Gy PK	THK w/s low % Xbd					← .1' Gn Ms ← S/Bn lim. & weath. Feld. S/A Gn intst. Ms.	10/10
230									10/10
		R/Gn	THK					RGn Mot VFSS & Ms	
240		Gn & R L.Gy	THK	VF F				A/intst. Gn PK Ms B/Bn lim. & PK	10/10
			V/Low % Xbd						
250								← Ms on Bdg Plane	10/10
				F-M					
			Xbd THK w/s V/Low % Xbd					← hi % Xbd A/lim ← Gy Ms on bdg plane A/weath. Feld.	10/10
								← A/sm angls	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/intst. Gn Ms S/st. Gn lim. & PK. S/weath. Feld. Gy intst. Ms.	
			S/Low % Xbd					← .8' S/Va Ds	
290		Gy L.Gy							10/10
300		Gy	Xbd THK					← hi % Xbd in Vads	10/10
310		Gy Gy	Xbd THK				H2S?	← D Gy BK Ms w/BK SPK ← Lim BK Bk	
		Gn R/Gn						← .8' Gn Ms RGn Mot SSt & Ms.	13/13
320									

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/Gn	THK	VF				← R/Gn Mot ← Bands - Lim.	
		L.Gy		F				← Al Gn Ms bands 2 mm/m thick. S/or. Lim SPK	
210						S		S/Gn particles on Bdng. planes ← 1' Gn Ms and Als.	10/10
		Gn L.Gy L.Gn L.Gy						← 217-218 A int's Gn Ms	
220			xbd						10/10
		L.Gn L.Gy	THK					← A/int's 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 Slgn als.	
260		L.Gy							10/10
								No limonite	
270		Gy		F				← Gy Ms c/w BKSPK	10/10
		L.Gy							
280									10/10
		Gy Gy	L.W xbd			S		← Sch in Gy Gn Ms c/BKSPK u.o.p.	
		L.Gy	THK					← A/sm Gn Als CaCO3	
		Gn						← 1½' Gn Ms	
290		R/Gn						← R Gn Mot Ms & SST.	15/15
300									

4-20-56

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

RECEIVED
APR 20 1956

Administrative Audit Difference Statement

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

FINAL DISTRIBUTION
MADE APR 18 1956

Date: April 16, 1956
Payee's Reference: November & December 1955
DMEA-3555

Gentlemen:

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 $ 15,775.52

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) Obee 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.

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APR 20 1956

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.

DMEA
Date Rec'd.

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

RECEIVED
APR 20 1956

Through: John F. Shaw
Supervising Mining Engineer

From: M. N. Salsbury

Subject: DMEA 3555, Contract Idm-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. K. 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 2,088.0 feet of core drilling in 14 holes accomplished between September 8 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, 2,088 feet at $3.60	7,516.80
Plug bit drilling 2,960.5 feet at $2.70	7,993.35
Bulldozing 67 hours at $11.00	737.00
Chemical analyses 14 samples at $5.00	70.00
Total	$16,317.15

All claims are in accordance with contract terms and within contract maximums. 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 condemned 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 Manal added his signature later.

M. H. Salsbury
Mining Engineer

cc: 6
RT91
Chron

Table 1. W. A. Greer (Four Corners Exploration Company)
DMEA 3555, Contract I4m-5791
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	Depth of Mineralization (ft) from	to	Chem. Assay $\%U_3O_8$	$\%V_2O_5$	AEC Probing data Depth of Mineralization		counts per min.
B41	6755	206.5	149.5	356.0	206.5	149.5	356.0					336.0	337.0	1100
B42	6765	198.5	152.0	350.5	198.5	152.0	350.5	barren						
B43	6774	222.5	141.5	364.0	222.5	141.5	364.0					282.0	284.0	1900
B44	6766	214.0	146.0	360.0	214.0	146.0	360.0	barren						
B46	6794	231.0	148.0	379.0	231.0	148.0	379.0	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	1.51			
								300.0	301.0	0.99	4.43			
								301.0	302.0	1.54	3.10			
								302.0	305.0	0.35	3.07			
								305.0	306.3	0.35	3.08			
								306.3	306.9	0.07	0.44			
B47	6775	221.5	146.5	368.0	221.5	146.5	368.0	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)				
B48	6795	222.5	166.0	388.5	222.5	166.0	388.5					276.0	277.0 (B48)	1700
B50	6781	232.0	138.0	370.0	232.0	138.0	370.0					293.5	294.5 "	2300
B55	6720	191.5	143.5	335.0	191.5	143.5	335.0					282.0	283.0 (B50)	1300
B56	6738	201.5	139.0	340.5	201.5	139.0	340.5	barren				324.0	325.0 (B55)	600
B57	6740	201.5	144.5	346.0	201.5	144.5	346.0	barren						
B71	6760	200.5	142.0	342.5	200.5	142.0	342.5	325.0	328.0	0.17	0.80			
								328.0	330.5	0.03	0.11			
B74		210.0	143.5	353.5	210.0	143.5	353.5					338.0	338.5	775
B76	6740	207.0	128.0	335.0	210.0	128.0	338.0					257.0	257.3	2400
Totals		2960.5	2028.0	4988.5	2963.5	2028.0	4991.5					318.0	319.0	1500

	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-.16	
	290.0-305.0	.15-.80	
	306.5-308.0	.07-.10	
B47	radon gas? 0 -289.0	.03-.05	ore
	290.0-292.0	.08-.11	
	292.5-296.0	.16-.82	
	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
B71	329.5-	.03	semi-favorable
	335.0-338.5	.03	
B74	339.5	.05	highly favorable
	256.0	.18	
	319.0-319.5	.04-.07	
	321.0	.05	

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, 1955 Docket No. DMEA 3555 Contract No. Idm E-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	7300.00	6827.40	14,128.20			
Bulldozing Drilling Plus	7993.35	6741.90	14,735.25			
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	264.24	334.24			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	15,101.15	14,793.54	30,894.69	15,795.52	14,893.54	30,689.06
				14,699.30	194.24	194.24
					30,494.82	
					$11,846.64	

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 Forest Finchen 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:

$

Signature
(Authorized Certifying Officer)

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

(See other side)

4 Previous Deduction

(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. Idaho E791 in accordance with the terms of the contract.

Signature W. H. Salsbury #12072.11 Title Mining Engineer Date 3-16-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Farmer 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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
APR 20 1956

Month of Sept. 24, 1955 thru Dec. 16 1955 Docket No. DMEA 3555 Contract No. Ion 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	Hrs	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 Hinshaw Title Geologist

J O Manol 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 R Salsbury

REMARKS: Authorized first sta e units were not carried into cla ms under-authorized by contract. The above units listed under fulthorized by contract are second sta e valuee.

(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

DMEA
Date
MAR 23 1956
BUREAU OF MINES
Denver, Colorado

February 6, 1956

Idm B-791
Docket 3555

RECEIVED
APR 20 1956

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 8 feet of red mud-stone 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, 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 (98%) 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 1 foot 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 DMEA 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.

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 galls, 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 Manol - 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	Tr - 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			

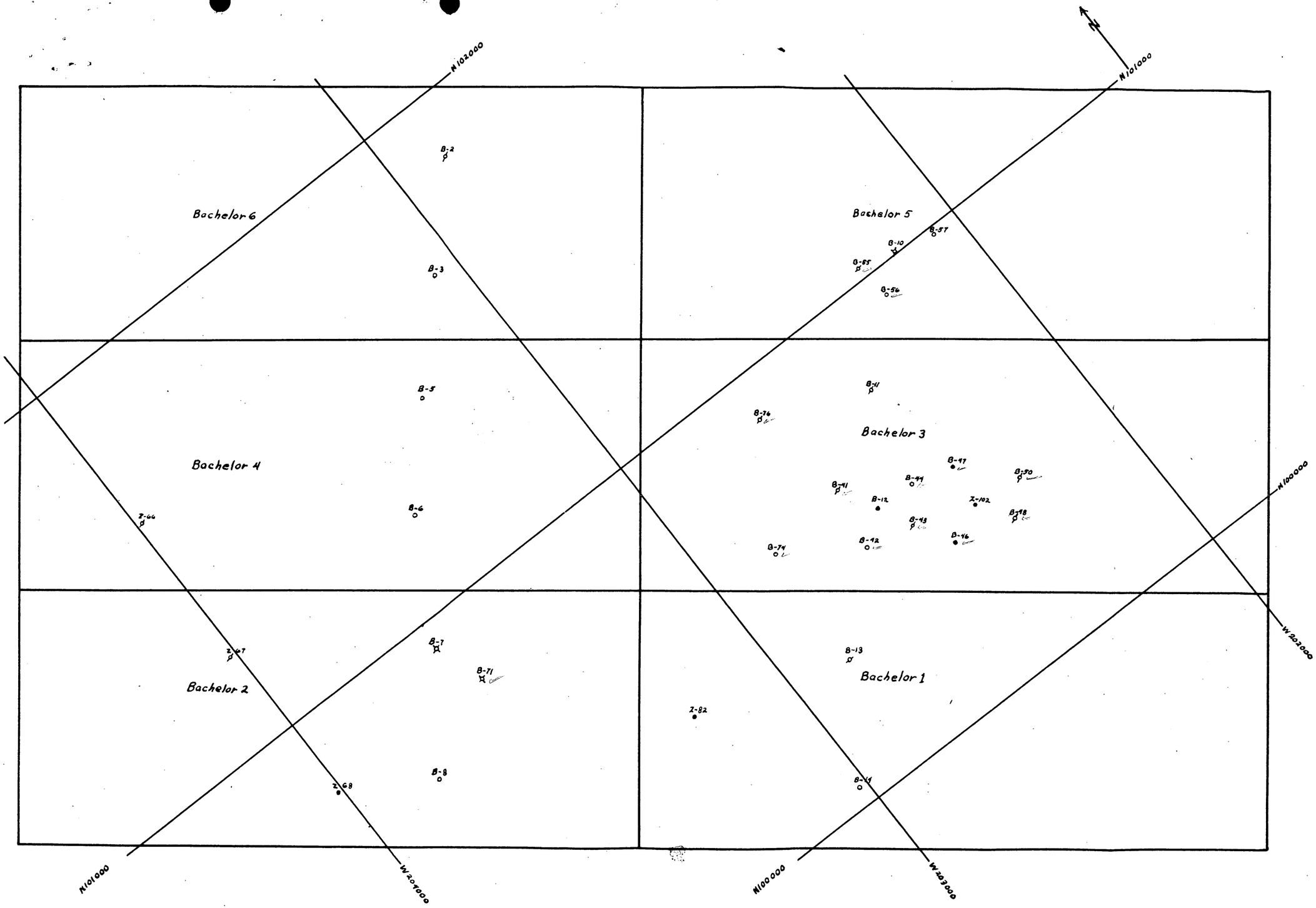
Note: It has been our experience that a CPS in excess of 2500 is necessary to obtain a chemical analysis of .10% U_3O_8 .

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 Manuel Partan



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'

4-16-56

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 October, November, December 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								
Churn								
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

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

RECEIVED
DEC 22 1955

224 New Customhouse
Denver 2, Colorado

December 20, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Acting 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

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the period August 10 to September 7, 1955.

E. N. Harshman

E. N. Harshman

Enclosures

RECEIVED
DEC 23 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 Aliso 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,

RRC
for N. E. Stokes
Audit Section

IV-B & F Form No. 4
5-52 D

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

RECEIVED
DEC 8 8 1955

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 Mm-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

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

Region III

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

RECEIVED
DEC 22 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: M. N. 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. Myers of the Geological Survey and F. R. Fincher, 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. Grear, DMEA 3555, Contract Ida-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	306-309.7	0.03-0.07	0.03				Mineralized
B-3		268.5	183.5	382							Favorable
B-5	6790	230	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 ABC 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.

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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 4559-5 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 Z-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 Idm-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 F. Nelson

M. H. Salsbury
Mining Engineer

cc 6
MHSalsbury
E791
Chron

MHS/cm

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

Budget Bureau No. 42-R1036.5

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 10th to September 7, 195 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-insurances, office expenses, taxes, supplies	254.13	none	254.13	not covered by contract		
TOTALS	16,577.67		16,577.67	14699.30		14,699.30

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 [signature] 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 [signature]
(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. E791 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 11-1-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] 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

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

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								
~~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 J D Manel Title Partner

W H Lahey

REMARKS: 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

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

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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 useding 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 sample s 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	U308	V205	CaC03
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 warrenting 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 mineralization 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 insufficient 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

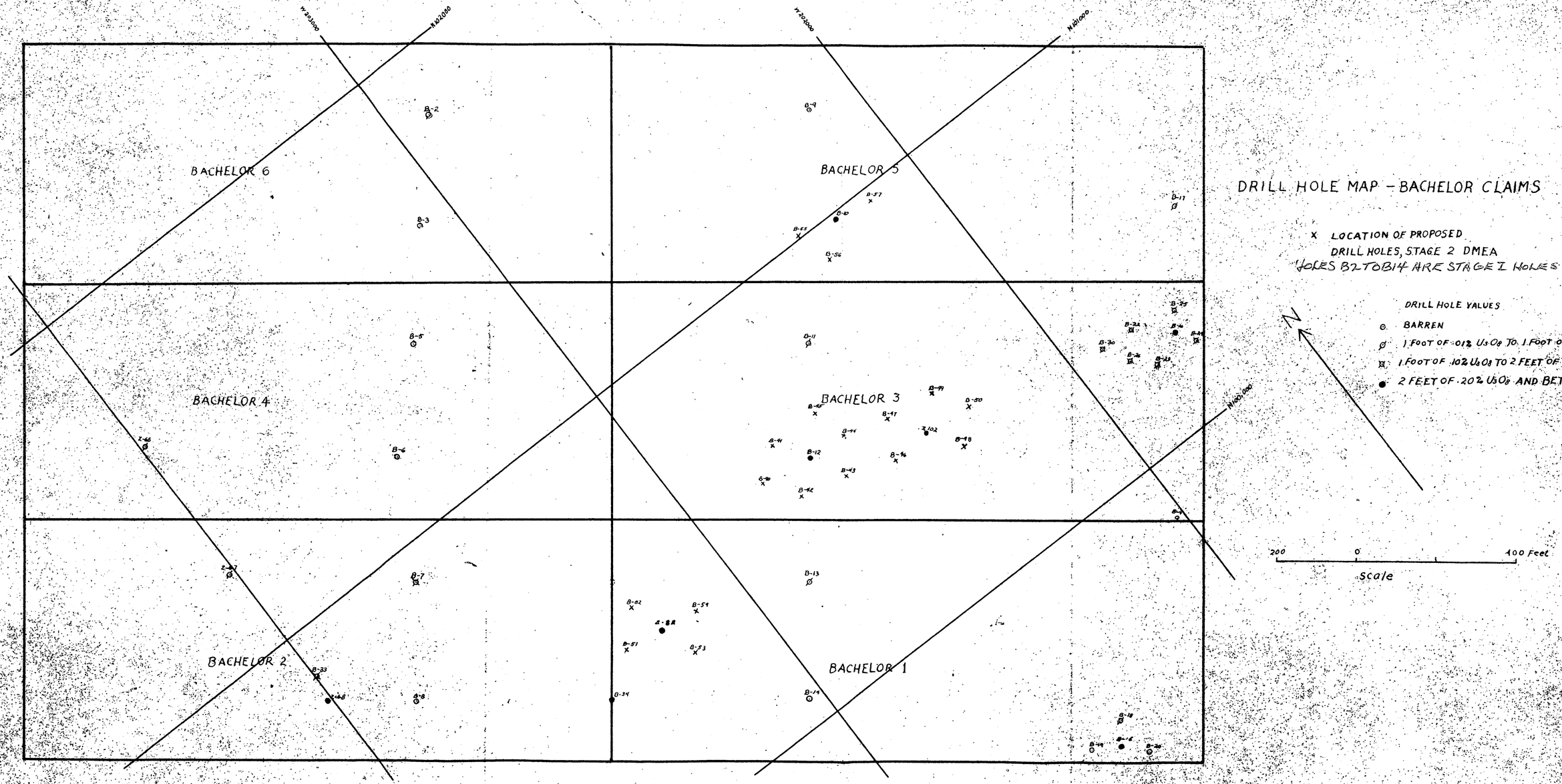
FOUR CORNERS EXPLORATION COMPANY
1118 Main Street
Grand Junction, Colorado

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 I HOLES

DRILL HOLE VALUES

- ⊙ BARREN
- ø 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