September 23, 1958

Memorandum

To: W. N. Chamberlain
Records Branch

From: F. L. Knouse
Division of Rare and Miscellaneous Metals

Subject: Semiannual Reports on Certified Projects
period January 1, 1958, through June 30, 1958

Region III has reported that the following certified projects for the above period have been inactive:

DMEA-1631	Idm-E236 Excalibur Uranium Corp.	Uranium
DMEA-3151	Idm-E671 Four Corners Exploration Co.	"
DMEA-3620	Idm-E792 Uranium Prospectors Co., Ltd.	"

F. L. Knouse

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 19 1958

DATE	INITIALS	CODE
9-19	C	220
19	Clay	100
22	[illegible]	110
9/22	[illegible]	800
9/23	Chung	700

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

September 15, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

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

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

DMEA Docket 3151 (Uranium)
Contract Idm-E 671, Four Corners Exploration Company
(Flat Top, Vilatie, Hyde Claims Nos. 4 and 5)
McKinley County, New Mexico

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

cc: Semiannual Report File Idm-E 671
Harshman
Emerick
DMEA/TUC
Chron.

FILE COPY
DMEA
RECEIVED SEP 19 1958
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR
SEP 15 1958
REGION III
DENVER, COLORADO

DMEA, ~~REGION III~~

Statement in Lieu of Semiannual Report

Reporting Period — January 1, 1958 to June 30, 1958
Docket and Contract Number — DMEA-3151, Contract Idm-E671
Operator — Holly Uranium Corp.

The project has been inactive during the reporting period ☐

Pertinent data relative to the subject contract has remained unchanged since the last report ☒

Remarks: Information obtained from Gene Ealy and R. H. Vopat, Mine Superintendent and partner of the Harmac Mining Co., respectively.

The Harmac Mining Co., working with the Rim Rock Mining Co., produced a total of 773.723 dry tons of ore valued at $13,550.85 during the first 4 months of 1958. The ore came from the Flat Top No. 3 claim and was hoisted to the surface through the 200-foot incline from which the deposit of the previously subordinated Flat Top Nos. 4 and 5 claims was worked.

not covered by Docket 3151. mc

The mine was idle from May 1958 to late in August 1958 when preparations were being made torenew mining on the Flat Top No. 3 claim.

Signed T M Romslo
T. M. Romslo

Date September 12, 1958

March 21, 1958

Memorandum

To: Mr. W. N. Chamberlain
Records Branch

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

Subject: Semiannual Reports on Certified Projects
July 1 to December 31, 1957

Reports have been received for the subject period on the following projects, indicating the property has been inactive during the reporting period and data remains unchanged since the last report:

Docket No.	Contract No.	Operator	Commodity
*842	Idm-E55	Zenda Gold Mining Company	Tin
3044	Idm-E655	Uranium Development Company	Uranium
3151	Idm-E671	Holly Uranium Corporation (Four Corners Exploration)	Uranium
3632	Idm-E797	Colamer Corporation	Uranium
3989	Idm-E933	Food Machinery & Chemical	Uranium

*Inactive except for claim assessment work.

Ernest Wm. Ellis

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

March 11, 1958

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DMEA
RECEIVED MAR 17 1958

DATE	INIT.	CODE
3/17	C	220
17	Copy	100
"		110
3/18		800
"		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 - December 31, 1957

DMEA Docket 3151
Contract Idm-E 671
Holly Uranium Corporation (Flat Top-Vilatie-Hyde claims)
Nos 4 and 5, McKinley County, N. M.

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.

W H King
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:dp

cc: Semiannual Report File E 671
Harshman
Hasler
DMEA/DFC
Chron.

WJK
M

DMEA
DEPARTMENT OF THE INTERIOR

DMEA, REGION III

FEB 24 1958
REGION III
DENVER, COLORADO

Statement in Lieu of Semiannual Report

Reporting Period — July 1 - December 31, 1957
Docket and Contract Number — Docket DMEA 3151 (Uranium) Contract Idm-E671
Operator — Holly Uranium Corporation
Flat Top-Vilatie-Hyde claims Nos. 4 and 5, McKinley County, N. M.

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

The Holly Uranium Corporation stated that they ceased operations, figuring the mine worked out in March 1956 and have not worked since. Machinery was stripped from the mine at that time. According to William Palmer, superintendent for Rim Rock, the Flat Top 5 x 7 foot, 30 degree, 200-foot long incline has been rented to Harmac Mining Company who are mining Flat Top claims Nos. 1, 2 and 3. A little ore was taken out near the unsurveyed side line, but probably on the Harmac property.

ORIGINAL FILE COPY
DMEA
RECEIVED FEB 17 1958
DATE CODE

Signed Carl Belser
Carl Belser

Date 2/21/58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 7-30-57

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

DMEA No. 3151 Operator Holly Uran. Corp. Contract No. Idm-E 671

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	36,480	0.39% U_3O_8
Increase (Operator)	—	
Total	36,480	"
Decrease (Production)	24,230	"
Net Available	12,250	"

Investment

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

Examining engineer reports no change in status since 12-31-56, however, he also reports that ore was being shipped on 6-30-57.

Michael Chinn

100338

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

July 23, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 2 1957
DATE | INITIALS | CODE
7/25 | CDM | 100

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 3151 (Uranium)
Contract Idm-E 671, Holly Uranium Corporation (Flat Top - Vilatie - Hyde Claims Nos. 4 & 5), McKinley County, New Mex.

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.

W S King
~~Acting~~ Executive Officer
DMEA Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 671
Harshman
DMEA/DFC
DMEA/TUC
Emerick
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period	1/1/57 - 6/30/57
Docket and Contract Number	DMEA 3151 - Contract Idm-E671
Operator	Holly Uranium Corporation

The project has been inactive during the reporting period [ ]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

6/30/57 - Shipping uranium ore.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 19 1957
DATE | INITIALS | CODE

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

Signed W. D. McMillan
W. D. McMillan

Date 7/17/57.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date April 2, 1957

Semi-Annual Report - Certified Project Date June 30, 1956 thru Dec. 31, 1956

DMEA No. 3151 Operator Holly Uranium Company Contract No. Idm-E 671

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	36,480	0.39 % U_3O_8
Increase (Operator)	—	—
Total	36,480	"
Decrease (Production)	24,230	"
Net Available	12,250	"

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

Grade of ore produced actually 0.21 % U_3O_8

Michael Ching

100338

3151

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
Date 4-1

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. Something wrong in % of reserves
2. Mined
3. This plant discussed
4.

and take appropriate action.

- - - - - - - - - -

Action taken by Division:

Robert E. Adams

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1 1957

DATE	INITIALS	CODE
4/1	C	220
4/2	Crm	100

March 29, 1957u

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period June 30, 1956 through December 31, 1956
DMEA Docket 3151 (Uranium)
Contract Idm-E 671, Holly Uranium Company (Flat Top - Vilatie Hyde Claims Nos. 4-5), McKinley County, New Mexico

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

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

Enclosures

MHM/vj

cc: Semiannual Report File E 671
J. F.Shaw (2)
Harshman
Hasler
Chron.

Semi-Annual Report of Certified Projects

Reporting Period 6/30/56 — 12/31/56

Docket and Contract Number Docket DMEA 3151 - Contract Idm-E671

Operator Holly Uranium Company

Commodity Uranium

Mine Name Flat Top - Vilatie Hyde claims Nos. 4-5.

County and State McKinely County, New Mexico

DMEA
DEPARTMENT OF THE INTERIOR
MAR 25 1957
REGION III
DENVER, COLORADO

Date of Contract 5/10/54

Date of Certification 5/9/1955

Expiration Date of Royalty Payments 5/9/64

Date of Examination for this Report 2/26/57

ORIGINAL FILE COPY
DMEA
RECEIVED APR 1 1957

DATE	INITIALS	CODE

Total Amount of Contract $12,189.00

Total Expenditures under Contract $10,698.30

Amount of Government Participation at 90 % $9,628.47

Royalty Payments this Period None

Previous Royalty Payments $9,628.47

Total Royalty Payments to Date $9,628.47

% Loan Repayment Completed 100 %

Amount of Royalty Due None

Royalty Remarks Payments were completed in less than one year.

	Tons	% U_3O_8 Analysis	% V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [ ]	36,488	0.396	
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	No revision		
Increase of Reserves by work performed subsequent to DMEA project work	No revision		
Production DMEA ore (This period) 1/	11,002.92	0.205	0.092
(Previous)	13,227.21	0.213	0.155
(To date	24,230.13	0.209	0.126
" Operator's ore (This period)			
found subsequent (Previous)			
to DMEA work (To date)			

6.6.4%

Percent Revised Reserves Mined 6.64

(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 10,000

Amount of Bonus paid to Operator this period $ 35,000.00

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 $ 1,748.73

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

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/ See attached Table 1. Note replacement of liquidation number 0582 by liquidation number 0587. Note correction on uranium content of liquidation number 0.604.

Signed [signature] (Engineer)

M. H. Salsbury

TABLE 1 --- Production from Flat Top - Vilatie Hyde claims for period July 1, 1956 to December 31, 1956. Shipper -- Holly Uranium Company. From Atomic Energy Commission Production Records.

Liquidation No.	Month of Settlement	Dry Tons	U_3O_8 percent	U_3O_8 lbs.	V_2O_5 percent	V_2O_5 lbs.
1304	July, 1956	986.02	0.20	3,994.06	0.09	1,808.00
0587*	July, 1956	1,469.96	0.19	5,724.08	0.11	3,199.32
0594	August, 1956	2,916.65	0.23	13,408.50	0.11	6,173.74
1436	September, 1956	38.31	0.35	268.18	0.09	69.00
0604	September, 1956	931.07	0.29	5,371.90	0.11	2,019.47
0604	November, 1956	Correction		-1,490.12		
0613	October, 1956	1,963.10	0.21	8,238.98	0.09	3,395.32
0621	November, 1956	1,269.24	0.19	4,935.26	0.08	2,135.25
0633	December, 1956	1,428.57	0.17	4,756.17	0.05	1,463.74
Total July 1, 1956 to December 31, 1956		11,002.92	0.205	45,207.01	0.092	20,263.84

*Liquidation number 0587 is a correction of Liquidation number 0582 which it replaces.

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DMEA
RECEIVED APR 1 1957
DATE | INITIALS | CODE

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date ~~Jan. 31, 1957~~

Semi-Annual Report - Certified Project Date July 1-55 to June 30-56

DMEA No. 3151 Operator Holly Uranium Corp. Contract No. Idm-E 671

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	36,480	0.39 % U_3O_8
Increase (Operator)	—	
Total	36,480	"
Decrease (Production)	13,227	0.21 "
Net Available	23,253	0.39 "

Investment

No Information

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

Repayment through royalties completed.

Michael Ching

10033

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

RECEIVED
JAN 25 1957
D.M.E.A.

224 New Customhouse
Denver 2, Colorado

Date: January 22, 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, 1955 to June 30, 1956
DMEA Docket 3151 (Uranium)
Contract Idm-E 671, Holly Uranium Corporation
(Flat Top - Vilatie Hyde Claims Nos. 4 & 5), McKinley County, New Mexico

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 and Memorandum 29.

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

Enclosures

MHM/vj
cc: Semiannual Report File E 671
J. F. Shaw (2)
E. N. Harshman
J. W. Hasler
Chron.

~~Semi~~annual Report of Certified Projects

DMEA
DEPARTMENT OF THE INTERIOR
JAN 16 1957
REGION III
DENVER, COLORADO

Reporting Period **July 1, 1955 to June 30, 1956**

Docket and Contract Number **3151 Contract Idm-E671**

Operator **Holly Uranium Corporation - (successor to Four Corners Exploration Co.)**

Commodity **Uranium**

Mine Name **Flat Top - Vilatie Hyde Claims Nos. 4 and 5**

County and State **McKinley County, New Mexico**

RECEIVED
JAN 25 1957
D.M.E.A.

Date of Contract **May 10, 1954**

Date of Certification **May 9, 1955**

Expiration Date of Royalty Payments **May 9, 1964**

Date of Examination for this Report **No examination made - Information taken from files**

Total Amount of Contract	$12,189.00
Total Expenditures under Contract	10,698.30
Amount of Government Participation at 90 %	9,628.47

Royalty Payments this Period **$9,628.47**

Previous Royalty Payments **none**

Total Royalty Payments to Date **$9,628.47**

% Loan Repayment Completed **100 %**

Amount of Royalty Due **none**

Royalty Remarks **Payments were completed in less than one year.**

	Tons	% U_3O_8 Analysis	% V_2O_5
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [ ]	36,480	0.390	
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	No revision		
Increase of Reserves by work performed subsequent to DMEA project work	No information		
Production DMEA ore (This period)	13,194.22	0.225	0.152
(Previous)	32.99	0.190	0.030
(To date)	13,227.21	0.213	0.151
" Operator's ore (This period)			
found subsequent (Previous)			
to DMEA work (To date)			

RECEIVED JAN 25 1957 D.M.E.A.

Percent Revised Reserves mined 32.26

(For Uranium Ores Only)

Initial Production Bonus:

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

Pounds U_3O_8 produced this period eligible for Bonus 9,874.62

Amount of Bonus paid to Operator this period $34,561.17

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 $

Bonus Royalty Due $ none

Investment Data (No information for this report)

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

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

Facilities

Mine Plant Description	Cost	Mill Description	Cost	Roads Description	Cost

Remarks

Production taken from A.E.C. records. Examiner tried to contact a company official at Grants, New Mexico, December 4-5, 1956, but was unable to do so.

Signed C.B. Housleman for (Engineer)
M. H. Salsbury

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
Date Rec'd
OCT 6 1955

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
October 6, 1955

BUREAU OF MINES
Denver Center

RECEIVED
OCT 10 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw

Subject: Semi-annual report of certified project -- DMEA 3151, Contract Idm-E671 (Uranium) Four Corners Exploration Co. (Flattop, No. 4 and No. 5 claims) McKinley County, New Mexico

Enclosed are the original and six copies of the semi-annual report on the subject certified project.

John F. Shaw
Supervising Mining Engineer

Enclosures

cc 6
General
Chron

JFS/cm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	January 1, 1955, to July 1, 1955
Docket No.	DMEA 3151 Contract Idm-E671 (Uranium)
Operator:	Four Corners Exploration Co.
Name of mine:	Flattop, No. 4 and No. 5 claims
County:	McKinley County, New Mexico
Date certified:	May 9, 1955
Contract amount:	$12,189.00 Amount spent: $10,698.30
Government participation:	$9,628.47, or 90 percent
Remarks:	To the present, May 20, 1955, no shipments of ore have been made. A 20-degree, single compartment shaft is being sunk to the north or larger ore deposit. The shaft has now encountered the ore formation and drifting on the ore should start soon.

gwalker

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

224 New Customhouse
Denver 2, Colorado

June 22, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3151 (Uranium), Contract Idm-E671, Four Corners Exploration Corporation, McKinley County, New Mexico - FINAL PAYMENT

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 month of December, 1954.

Final payment to the operator has been made as indicated by the attached material.

W. M. Traver

Enclosures - 1 attachment

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

224 New Customhouse
Denver 2, Colorado

June 8, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3151 (Uranium), Contract Idm-E671, Four Corners Exploration Corporation, McKinley County, New Mexico - **FINAL PAYMENT**

Reference is made to our memorandum of February 17, 1955 wherein we transmitted final form MF-104, Operator's Progress Report and Voucher for the month of December, 1954 and instructed you to withhold $250.00 from reimbursement to the Operator pending receipt of the Operator's Final Report and release of the Final Report of Review by the Contract Administration and Audit Division.

The Operator's Final Report has been received, therefore we recommend that final payment to the Operator be made on the following basis, which is in conformance with the Report of Review of the Contract Administration and Audit Division dated February 28, 1955 which was released to this office March 29, 1955:

Basis for Final Payment:

Total Accepted Cost.....	$10,698.30
Government Participation at 90%.....	9,628.47
Total Prior Payments.....	9,378.47
Balance Due the Operator.....	$ 250.00

W. M. Traver
W. M. Traver

JWT:sr

cc Sec. Op. Comm. (2)
Townsend
Shaw
Subject
Chron

Paid $250.00
Randel R. Cooper
Randel R. Cooper
Authorized Certifying Officer
6-14-55 DMA-55-97

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

224 New Customhouse
Denver 2, Colorado

February 25, 1955

3157

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3151 (Uranium), Contract IdmE-671, Four Corners Exploration Company (Flattop-Vilatie claims Nos. 4 and 5), McKinley County, New Mexico

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 month of December, 1954.

W. M. TRAVER

W. M. Traver

Enclosures

RECEIVED
MAR 2 - 1955

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

Administrative Audit Difference Statement

Date: _____
Payee's
Reference: December 15th

Four Corners Exploration Co.
P. O. Box 101
Grants, New Mexico

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

Amount Claimed $ 5,101.00

Difference $ 691.00

Amount Approved* $ 4,410.00

The reason for the difference was due to:
The following amounts are disallowed as they are in excess of the amounts allowed under terms of the contract

620 ft. @ .90 ft.	558.00
146 ft. @ .30 ft.	43.80
	601.80

* 250.00 withheld from October, 15th report reinstated herewith.

* 250.00 withheld from payment for December report.

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

February 17, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3151 (Uranium), Contract Idm-E671, Four Corners Exploration Company (Flattop-Vilatie Hyde Claims Nos. 4 and 5), McKinley County, New Mexico -- Operator's Monthly Progress Report for the period December 1954

Enclosed are the original and four copies of Form 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 90 percent of the amount reported by the operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

The following amounts are disallowed as they are in excess of amounts allowed by Contract Idm-E671:

620 ft. drilling at $0.90/ft.....	558.00
446 ft. (use of Aquagel) at $0.30/ft..	133.80
Total disallowance.....	691.80

The amount of $250.00 which was withheld from the October 1954 report pending starting of Stage III work is to be reinstated.

An amount of $250.00 is to be withheld from payment to the operator pending receipt of the operator's final report and release of the final Report of Review by the Contract Administration and Audit Division. The drill logs submitted will be retained in this office.

Remarks:

Date of Report.....Dec. 29, 1954
Date Received in Field Office.....Jan. 3, 1955
Date Received in Region Office....Feb. 16, 1955

Encls.
RDB:jp
cc Subject
Chron
Sec. Op. Comm. (2)
Shaw
Townsend

W. M. TRAVER

W. M. Traver

DMEA
Date Rec'd
FEB 16 1955
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
February 16, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw JFS

From: Hugh M. Connors

Subject: DMEA 3151, Idm-E671 (Uranium) Four Corners Exploration Company, (Flattop-Vilatie Hyde claims, Nos. 4 and 5) McKinley County, New Mexico - Progress Report for December 1954

The subject project was visited on January 26, 1955. At the time of the visit, Stage III of the contract had been completed. Thirty-nine holes were drilled during December for a reported total of 4,520 feet. The actual locations of the holes drilled under Stage III are as shown on the map submitted by the operator with the December progress report.

The number of holes drilled and their locations conform to the contract, but the allowable maximum of 3,900 feet of hole was exceeded by 620 feet. Amendment No. 1 to the contract allows the use of Aquagel at $0.30 per foot in lieu of casing from the surface to the top of the Todilto limestone. The contract allowed an "estimated" 3,000 feet for the use of Aquagel in Stage III.

No DMEA contract drilling has been in progress on any visit made by an inspecting engineer so the operator was asked to certify that Aquagel has been used in accordance with the contract. The operator has made this certification, therefore, approval is given to 3,900 feet of drilling for the month of December, which is 620 feet less than reported, and to the use of Aquagel in 3,000 feet of hole, which is 446 feet less than reported.

Because of the disallowance of 620 feet of drilling, the monthly and grand totals should be reduced by $558.00. Approval is given to 3,900 feet of drilling, totaling $3,510.00, and 3,000 feet of hole sealing, totaling $900.00. This makes approved totals to date of $8,425.80 for drilling and $2,272.50 for hole sealing. The approved project total to date is $10,698.30.

DMEA 3151
Idm-D671
2/16/55

It is recommended that the Government's share of 90 percent of $4,410.00 be approved and $3,969.00 be paid to the operator.

Hugh M. Connors

Hugh M. Connors
Mining Engineer

cc 6
DMEA 3151
Chron

HMC/cm

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

Budget Bureau No. 42-R1036.5

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

Month of December, 1954 Docket No. DMEA Contract No. Idn L-671
Operator's Name Four Corners Exploration Company Minerals Uranium
Address Box 116, Grants, N.M.
Contract Amount, $ 12,100.00 Government Participation: 90 % Amount, $ 10,970.30

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	5,101.00	6,200.30	11,300.10			
Bulldozing						
Crosscutting						
Drifting						
(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						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	5,101.00	6,200.30	11,300.10	* 4410.00	6288.30	10698.30

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

Date ..... *Payee Four Corners Exploration Co.

Per [signature] Title Owner

*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:

$ 3969.00

Signature Rudell R. Cooper
(Authorized Certifying Officer)

Date 2-24-55 Vou. No. DMA-55-63
(See other side)

* 250.00 withheld in Oct reinstated
250.00 " this report

(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-E671 in accordance with the terms of the contract.

Signature Hugh M. Brown $3,969.00 Title Mining Engineer Date Feb. 15, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Graver Title Executive Officer Date FEB 17 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 3151 Contract No. Dm E-671
Operator's Name Four Corners Exploration Company Minerals Uranium
Address Box 116, Grants, New Mexico

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core Rotary	Foot	4,068.00	4520	8,903.80	10032	.90	9,450	.90
Coalin Churn percussion	"	1,05380	3446	2,486.30	8021	.30	7,373	.30
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		5,101.00	7966	11,390.10				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		5,101.00		11,390.10				12,203.00

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 12-29-54 Operator Four Corners Exploration

Per [signature] Title Owner

Remarks: D.M.E.A. deductions for previous months have been subtracted in obtaining the above totals.

→ 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

AFFIDAVIT—GENERAL—1

FOR SALE BY VALLIANT PRINTING CO., ALBUQUERQUE, N. M.—34303

STATE OF NEW MEXICO,
County of Valencia } ss.

Irving Rapaport, being first duly sworn according to law, upon his oath deposes and says:

All holes under D.M.E.A. docket 3151, Contract Idm E 671 were drilled from the surface to the top of limestone using a wet drilling process. Drillers were supplied in the field with UMI Jel, (the Utah Mud Company brand name for aquagel), Silvacel, and other additives. All holes were thoroughly dried subsequent to the sealing of overburden and the limestone was drilled and sampled using compressed air as a circulating medium.

Irving Rapaport

Subscribed and sworn to before me this 10th day of February, A. D. 19 55

Cyrus M. Rowe

ADD TITLE OF OFFICER BEFORE WHOM SWORN.

UTAH | COLORADO
ARIZONA | NEW MEXICO

Four Corners Exploration Company

P. O. BOX 101 GRANTS, NEW MEXICO

IRVING RAPAPORT
F. O. MANOL

December 29, 1954

Mr. W. M. Traver, Chief
Mineral Resources Branch
Mining Division, Region IV
Denver Federal Center
Denver 2, Colorado

Narrative Report, Flat Top #4 & #5 Claims, Grants, N.M.

During the month of December the D.M.E.A. program on the Flat Top #4 &~~#~~5 was completed. Thirty nine holes were drilled on the third stage with the following results:

2 holes were barren
21 holes contained between trace and .10% U_3O_8
16 holes contained more than .10% U_3O_8 of which 15 holes exhibited more than 2 foot of .20% U_3O_8 on chemical assay.

Two major factors appeared to have been active in the reduction of the grade of samples: 1) Sample was taken arbitrarily at two foot intervals. Thin ore zones were often broken into two samples and down-graded by the inclusion of underlying and overlying barren rock. 2) It is estimated that an average of 10% of the samples consist of overburden which has fallen from the upper portion of the hole.

Corrected gamma ray logs of ore holes in the thick, high-grade, central portion of the ore body are but slightly above the chemical assays of samples from the same approximate zones. Sample from holes along the periphery of the ore body where ore is thinner and lower grade are far below the equivalent gamma ray logs.

A preliminary structure contour map drawn on the Todilto-Entrada contact revealed a series of north-south warps. This particular ore body is situated toward the base of a downwarp along a zone where the dip steepens sharply.

The initial evaluation of this property under the D.M.E.A. has been completed. The bblocking out of ore for the purposes of ore estimation and mining is now in progress. A more detailed evaluation of the Flat Top #5 Claim has also been started. We take this opportunity to thank the D.M.E.A. for its assistance and to offer the results of any future drilling they may desire.

Irving Rapaport

FLAT TOP # 4 &[illegible], SECTION 30, T13N, R9W, STAGE 3, D.M.E.A.

HOLE	ALLUVIUM	SUMMERVILLE	TODILTO	ENTRADA	GAMMA RAY From	GAMMA RAY To	GAMMA RAY eU	CUTTINGS From	CUTTINGS To	CUTTINGS eU	CUTTINGS U
G-5	C-77	--------	101	106	81.5	86.2	.025				
G-5.5	78	84	106	111		Nil					
G-6	71	104	118	123		103.5	tr				
G.5-5	66	77	97	102	78.1	79.7	.59	77-79		.001	
								79-81			.26
								81-83			.22
G.5-6	82	92	112	117				92-94		.032	
					94.8	95.7	.26	94-96			.14
								96-98		.047	
G.5-7	83	97	115	120	101.3	102.7	.074				
H-5	73	-----	93	98		74	tr				
H-5.5	70	-----	98	103		94	tr				
H-6	69	87	103	108	81-86		tr				
H-6.5	92	-----	108	113	87-94		tr				
H-7	82	92	110	115	98.4	99.8	.014				
H-7.5	77	93	115	120	105.3	106.2	.45	107-109			.07
								109-111		.019	
H-8	67	90	118	123		111	tr				
H.5-7	87	--------	101	106		86	tr				
H.5-8	75	------	111	116			tr				
I-7	89	------	97	102			Nil				
I-7.5	70	79	103	108		98	.04				
I-8	65	81	107	112	79.6	80.8	.08				
					81.2	83.0	.17	81-83		.041	
					97.8	-103.6	.12	103-105			.12
					103.6	104.6	3.90	105-107			.84
I-8.5	70	81	109	114	79.6	80.8	.08				
					81.4	82.6	.04	81-83			.14
					83.7	84.5	.19	83-85		.029	
								85-87		.047	
					102.5	103.4	.09	103-105		.022	
					103.4	105.6	.56	105-107			.26
I-9	64	71	109	114	92.7	93.5	.10	107-109		.07	
								93-95		.041	
								95-97		.027	
								97-99		.078	
								99-101		.034	
					100.2	101.6	.074	101-103			.26
								103-105			.12
I-9.5	66	71	113	118	82.7	84.8	.30	93-95			.21
					84.8	99.0	.18	95-97			.29
								97-99			.18
								99-101			.21
					100.3	103.1	.72	101-103			.18
								103-105		.116	
I-10	64	77	117	122				105-107		.027	
								77-79		.021	
								79-81		.028	
								81-83		.029	
								83-85		.070	
					89.3	90.4	.14	85-95		.011	
					93.2	94.5	.23	95-97			.67
					94.5	97.3	.59	97-99			.10
					97.3	102.6	.30	99-101			.19
								101-103			.19

FLAT TOP # 4[illegible]5 CLAIMS, SECTION 30, T13[illegible], R9W. STAGE 3

HOLE	ALLUVIUM	SUMMERVILLE	TODILTO	ENTRADA	GAMMA RAY LOG From	To	eU	CUTTINGS From To	eU	U
I-10 continued					102.6	105.3	.21	103-105		.17
								105-107		.10
					107.5	108.8	.19	107-109	.049	
					108.8	110.3	.10	109-111		.08
								111-113	.042	
I-10.5	65	81	119	124	97.6	102.2	.02			
I-11	68	92	124	129	99.6	101.4	.01			
					113.4	116.7	.03	114-116	.014	
					116.7	118.9	.07	116-118	.001	
								118-120	.065	
I-11.5	67	107	133	138	121.4	123.7	.05			
					128.4	129.6	.05			
I.5-9	66	100	106	111	98.8	100.7	.99	100-102	.75	.75
								102-104	.25	.25
								104-106	.068	
I.5-10	65	102	110	115				102-104		.07
					102.4	105.8	.66	104-106		.41
								106-108		.39
								108-110	.039	
I.5-11	71	84	120	125	108.8	110.1	.09			
					110.1	111.5	.44	110-112	.06	.06
					114.4	115.7	.09	112-114	.07	.07
J-8.5	67	92	100	105	91.8	92.8	.25	92-94		.10
					92.8	95.0	.82	94-96		.79
					95.0	96.6	.33	96-98		.16
								98-100	.015	
J-9.5	48	92	104	109	88.8	89.7	.03	94-96	.032	
					92.5	94.0	.06	96-98	.001	
					94.8	96.3	.10			
					96.3	100.2	.05			
J-10.5	70	94	110	115				102-104	.062	
								104-106		.96
								106-108		.54
								108-110	.018	
J.5-9	68	90	102	107	91.2	93.1	.30	90-92	.023	
					93.1	96.6	.18	92-94		.16
					96.6	98.2	.96	94-96		.11
					98.2	102.7	.024	96-98		.10
								98-100		.23
								100-102	.025	
J.5-9.5	67	95	105	110				95-97	.053	
					95.7	98.0	.58	97-99		.40
					98.0	99.6	1.00	99-101		.79
					99.6	102.1	.53	101-103		.42
								103-105		.13
J.5-10	69	95	111	116				99-101		.08
					100.8	103.7	1.45	101-103		.95
					103.7	106.7	.48	103-105		1.07
								105-107		.19
								107-109		.18
								109-111	.023	

FLAT TOP # 4 & SECTION 30, T13N, R9W, 3 Stage D.M.E.A..

HOLE	ALLUVIUM	SUMMERVILLE	TODILTO	ENTRADA	GAMMA RAY LOG From	To	eU	CUTTINGS From To	eU	U
J.5-10.5	70	102	112	117				102-104	.000	
					103.1	104.3	.05	104-106		.42
					104.3	105.5	2.00	106-108		.81
					105.5	108.6	.33	108-110		.16
								110-112		.09
J.5-11	65	74	120	125	108.2	109.4	.32	110-112		.41
					109.7	111.4	1.30	112-114		.24
								114-116	.033	
								116-118	.006	
J.5-11.5	67	91	127	132	115	117	tr			
J.5-12	68	113	131	136	118.1	119.1	.01			
					122.9	124.0	.03			
J.5-12.5	68	103	130	135	116.9	123.7	tr			
					127.9	130.6	tr			

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

224 New Customhouse
Denver 2, Colorado

December 1, 1954

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3151 (Uranium), Contract Idm-E671, Four Corners Exploration Company (Flattop-Vilatie Hyde Claims No. 4 and 5), McKinley County, New Mexico. Operator's Monthly Progress Report for the period October, 1954

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 month of October, 1954.

W. H. KING

W. H. King

Enclosures

Copy to: W. H. Traver, w/copy of report

sub
chron

11

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

RECEIVED
DEC 8 1951

Administrative Audit Difference Statement

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

[illegible]

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

Amount Claimed $ [illegible]

Difference $ [illegible]

Amount Approved $ [illegible]

The reason for the difference was due to:

[illegible]

[illegible]

[illegible]

[illegible]

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

Very sincerely yours,

N.E.Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

November 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3151 (Uranium) Contract Ian-E671, Four Corners Exploration Company (Flattop-Vilatic Hyde claims No. 4 and 5) McKinley County, New Mexico. Operator's Monthly Progress Report for the period October, 1954.

Enclosed are the original and four copies of Form 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 90 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $434.70 is to be disallowed for 483 feet of drilling at $0.90 a foot. This represents drilling which was performed in excess of the amount allowed under State II. Also $25.20 for 84 feet of drilling with Aquagel at $0.30 a foot is disallowed. Driller's logs show 84 feet less than the amount of drilling requiring Aquagel reported. Four Corners Uranium Company was overpaid by an amount of $10.80 on the September 1954 monthly report. This overpayment should also be withheld at this time. In addition, an amount of $250.00 is to be withheld from payment to the operator pending resolution of matters pertaining to State III work.

Remarks:

Date of Report	October 22, 1954
Date Received in Field Office	October 25, 1954
Date Received in Region Office	November 18, 1954

John F. Shaw
for W. H. King

RDB:dm

Enclosures

cc: Sec. to Oper. Comm. (2)
Subject
WMTraver
JWTownsend
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
November 17, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3151, Contract Idm-3671 (Uranium), Four Corners Exploration Company (Flattop-Vilatie Hyde claims, Nos. 4 and 5) McKinley County, New Mexico-Progress report for October 1954

Enclosed are the original and four copies of the subject progress report, the third one--forms MF-104 and MF-104A, with narrative, drill hole logs, progress map--and the original and six copies of H. M. Connors' memorandum covering his inspection of the surface drilling progress and checking the accounting forms. The contract is unit cost on short form MF-200A and documentation is not required.

Connors on an inspection of the project made November 3, 1954, verified completion of surface drilling under Stage 2 of the contract, as reported in the narrative with completed holes shown on the accompanying map. He found, however, that the contractor exceeded the maximum footage allowed in Stage 2 by 483 feet, which is disallowed at $.90 a foot or $434.70. Also the driller's logs show 84 feet less of hole ~~xxxxxxx~~ required drilling, with Aquagel as stipulated in Amendment No. 1 to the top of the Todilto limestone, and this footage is disallowed at $.30 a foot or $25.20. Total disallowances are thus $434.70 plus $25.20 or $459.90, reducing the contractor's claim to $2,806.80. Otherwise the operator's report is satisfactory and the inspecting engineers covering memorandum adequate.

Payment is recommended and certified on the MF-104 forms of $2,526.12 or 90 percent of the total, $2,806.80 approved.

The field representatives are acting on the contractor's proposal for Stage 3 drilling in accordance with your instructions.

W. M. Traver

W. M. Traver

WMT/dj

cc: 5
3671
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
November 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: H. M. Connors

Subject: DMEA 3151, Contract Idm-8671 (Uranium), Four Corners Exploration Company (Flattop-Vilatie Hyde claims, Nos. 4 and 5) McKinley County, New Mexico- Progress report for October 1954

The subject project was visited on November 3, 1954. At the time of the visit, Stage II of the contract had been completed. Twenty four holes were drilled for a reported total of 2,883 feet during October. The actual locations of the holes drilled under Stage II of the contract are as shown on the map submitted by the operator with the October progress report.

The number of holes drilled in Stage II conforms to the contract, but the allowable maximum of 2,400 feet of hole was exceeded by 483 feet. Amendment No. 1 to the contract allows the use of Aquagel at $.30 per foot in lieu of casing from the surface to the top of the Todilto limestone. Form MF-104A claims 2,240 feet of hole used Aquagel. The drilling log shows only 2,156 feet of hole was drilled to the top of the Todilto limestone which is all the footage that required Aquagel. The contract allowed an "estimated" 1,848 feet for the use of Aquagel.

Approval is given to 2,400 feet of drilling for the month of October, which is 483 feet less than reported. Approval is also given to the use of Aquagel in 2,156 feet of hole which is 84 feet less than reported, but 308 feet more than was estimated in the contract.

Because of the disallowance of 483 feet of drilling, the monthly and grand totals should be reduced by $434.70. Approval is given to 2,400 feet of drilling, totalling $2,160.00 and 2,156 feet of hole sealing, totalling $646.80. This makes approved totals to date of $4,915.80 for drilling and $1,372.50 for hole sealing.

The approved project total to date is $6,288.30. It is recommended that the Government's share of 90 percent of the $2,806.80 approved, or $2,526.12 be paid to the operator.

L. D. Everett, for
H. M. Connors,
Mining Engineer

HMC/dj

cc: ✓6
E671
Chron.

DIST. ENGR.

Narrative Report

Second Stage D.M.E.A. Program Flat Top Claims #4 & #5, Section 30, Township 13 North, Range 9 West, Grants District, N.M.

The second stage of drilling was performed during the month of October. Twenty four holes, a total of 2,883 feet, were drilled with the following results:
6 holes were barren or contained only trace mineralization.
12 holes contained economically submarginal uranium mineralization.
6 holes contained good thicknesses of ore.

All holes were logged radiometrically and all samples revealling appreciable radioactivity were sent to the Brown Laboratory at Grand Junction for chemical assay. A total of 45 samples have been assayed through the completion of the second stage despite the fact that the contract only requires 20 cemical assays for the complete program. The highest value obtained as yet for a two foot run is 2.36% U_3O_8 from 110 to 112 feet in hole J-11.

Geologic features determined to date include:
1) The northern portion of the ore body is in a thick (maximum 30') recrystallized limestone, is overlain by Summerville shale and sandstone, and consists of pitchblende-pyrite type mineralization. The southern portion of the ore body is in a partially eroded recrystalline limestone, is overlain directly by alluvium, and consists of tyuyamunite-carnotite-uranophane-hematite type mineralization.
2) A halo of radon gas appears to project outward from the ore body. The ore cut-off appears sharp and assays of cuttings from holes only a few feet from ore may show little uranium. Gamma ray logs of the same holes often record high values. Although the estimation of grade by use of a drill hole logging unit is rendered unfeasible for this reason, the strength of the radon gas halo may be useful in the determination of the direction to and proximity of the ore body.
3) A narrow north-trending structural trough extends across the eastern margin of the Flat Top #4 Claim. The ore body appears to be locallized along the western flank of this structure.

PROPOSAL FOR STAGE # 3

The proposed locations of the 39 holes allowed under the 3rd stage of this D.M.E.A. program are plotted on the accompanying map. The intentions of these holes are:
1) To further investigate the structural and stratigraphic environment which resulted in the locallization of this ore body; this information may be of value in the exploration for other ore bodies on this and other properties.
2) To determine the continuity and approximate size of the ore body. In our oppinion holes close to the boundry of the Flat Top #3 Claim are justified by 1) the exploration of that property is also being carried out under D.M.E.A. and 2) it appears that sufficient ore has been discovered to repay the D.M.E.A. loan several times over.

After the completion of this D.M.E.A. contract it is out intention to core drill a number of holes on 25' centers to delimit the ore body and to determine the character of the ground for mining purposes.

I. Rapaport 10-21-54

I. Rapaport

Second Stage [illegible]D.[illegible]E.A. Program, Flat Top[illegible]4[illegible] #5, Grants District, N.M.

Hole	Alluvium	Summerville	Todilto	Entrada	Gamma Ray From To	%U_3O_8	Cuttings From To	eU	cU_3O_8
F.5-4.5	0 to 70	70 to 79	79 to 113	to 118	Nil				
F.5-5.5	80	95	111	116	89-92	.02			
F.5-6.5	81	89	119	124	101-106	tr			
F.5-7.5	67	99	123	128	110-113	tr			
G.5-4.5	60	71	91	96	71-73.5	.12	71-75		.03
"					79-80.5	.08			
G.5-6.5	77	96	112	117	97.5-99.5	.18	96-100		.03
G.5-8.5	68	108	124	129	98-101	tr			
H.5-4.5	61	65	83	88	78	.01			
H.5-5.5	71	77	91	96	77	.02			
H.5-6.5	84	--	97	102	84	tr			
H.5-7.5	76	79	107	112	94.5-99	.61			
"					99-102	.09	95-107		.285
"					102-104	.88			
H.5-8.5	65	91	113	118	92-110	.01			
H.5-9.5	68	92	120	125	99-118	.05			
H.5-10.5	69	110	134	139	Ra gas	.07			
H.5-11.5	70	118	146	151	109-137	tr			
I-12	71	114	142	147	105-138	.04			
I.5-10.5	63	96	112	117	108-110	.85	108-110		.28
I.5-8.5	68	82	108	113	81-82	.15	82-84		.04
"					101-103	.14	100-104		.04
I.5-12	67	105	135	140	118-123	.03			
J-9	69	89	99	104	91-95	.40	91-95		.155
J-10	70	98	108	113	98.5-104.5	1.07	98-108		.55
J-11	67	110	116	121	110-116	.61	110-116		.88
J-11.5	67	89	127	132	105-107	.17	105-107		.08
"					116.5-122.5	.78	115-123	.32	.30
J-12	70	104	132	137	111-114	.02			
"					119-121	.01			

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

Defense Minerals Administration
RECEIVED
DEC 8 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1954 Docket No. DMEA 3151 Contract No. Idm S 671
Operator's Name Four Corners Exploration Company Minerals Uranium
Address Box 116, Grants, New Mexico
Contract Amount, $ 12,189.00 Government Participation: 90% Amount, $ 10,970.10

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	3,266.70	3,492.30	6,759.00			
Bulldozing						
Crosscutting						
Drifting						
(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						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,266.70	3,492.30	6,759.00	3266.70	3492.30	6759.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10-22-54 *Payee Four Corners Exploration
Per [signature] Title Co-Owner

*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:

$ 2266.40

Signature [signature]
(Authorized Certifying Officer)

Date 11-22-54 Vou. No. DMA-55-35

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E671 in accordance with the terms of the contract.

Signature H.M. Connors #2,526.12 Title Mining Engineer Date Nov. 5, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.B.

Signature W. H. KING Title Executive Officer Date NOV 19 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
DEC 6 1954

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

Month of October 1954 Docket No. DMEA 3151 Contract No. Idm E-671
Operator's Name Four Corners Exploration Company Minerals Uranium
Address Box 116, Grants, New Mexico

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core Rotary	foot	2,594.70	2,883	5,361.30	5,957	.90	8,450	.90
Sealing Churn Overburden	"	672.00	2,240	1,397.70	4,659	.30	7,373	.30
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,266.70	5,123	6,759.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								12,199.00

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 10-22-54 Operator Four Corners Exploration

Per L. Rapaport Title Co-Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 1954

224 New Customhouse
Denver 2, Colorado

October 29, 1954

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3151 (Uranium), Contract Idm-E671, Four Corner Exploration Company (Flattop-Vilatie Hyde claims, No. 4 and 5), McKinley County, New Mexico.

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 month of September, 1954.

W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Denver Mineral Districts
RECEIVED
NOV 4 - 1954

224 New Customhouse
Denver 2, Colorado

October 28, 1954

Four Corners Exploration Company
P. O. Box 101
Grants, New Mexico

Gentlemen:

Your progress report for the month of September, 1954 was overpaid in the amount of $10.80, which represents twelve feet of drilling, at $.90 per foot, below the base of the Todilto limestone in excess of the number of feet allowed by the contract. Deduction of this amount will be made from your October claim.

Very truly yours

T. A. Christensen
Chief, Administrative Division

cc-Mr. Wm. H. King
Reading File
DMEA File

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

224 New Customhouse
Denver 2, Colorado

RECEIVED
NOV 4 1954

October 11, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3151 (Uranium), Contract Idm-E671, Four Corner Exploration Company, (Flattop-Vilatie Hyde claims, No. 4 and 5) McKinley County, New Mexico. Operator's Monthly Progress Report for the period September 1954.

Enclosed are the original and four copies of Form 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 90 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $10.80 for 12 feet of drilling at $0.90 per foot (Hole No. C.5-5.5) is disallowed. This represents excess drilling below the base of the Todilto limestone and beyond the 5 feet allowed by contract.

Remarks:

Date of Report	September 27, 1954
Date Received in Field Office	September 29, 1954
Date Received in Region Office	October 8, 1954

W. H. King

Enclosures
RDB:dm
cc: Sec. to Oper. Comm. (2)
WMTraver
Subject
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
October 7, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3151, Contract Idm-E671 (Uranium), Four Corners Exploration Co. (Flattop-Vilatie Hyde claims, Nos. 4 and 5) McKinley County, New Mexico--Progress report for September 1954

Enclosed are the original and four copies of the subject progress report, the second one--forms MF-104 and MF-104A, with narrative and progress map--and the original and six copies of J. H. Soulé's memorandum covering his inspection of the surface drilling progress and checking the accounting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Soulé inspected the project October 5, 1954, and verified the surface drilling progress reported in the operator's narrative, shown on the sketch, and entered on the MF-104A forms. The work consisted of drilling the additional 20 holes to complete Stage I for 2,357 feet in accordance with the terms of the contract and Amendment No. 1 thereto. Because the contract stipulates drilling only through the Todilto limestone and 5 feet beyond, a disallowance is made for 12 feet as hole No. C.5-5.5 was drilled to 104 feet whereas the limiting depth was 92 feet. Otherwise, all claims are approved. Entries are in order on the reporting forms and the operator's narrative and inspecting engineer's covering memorandum describe the month's operations satisfactorily. Recommendations for Stage II drilling were made in a separate memorandum. The operator's suggested Stage II holes are shown on the sketch included with this monthly progress report.

The disallowance for 12 feet of drilling at 90 cents a foot totals $10.80. This deducted from the $2,696.70 claimed by the contractor leaves $2,685.90. Of this sum, 90 percent, or $2,417.31, is approved for payment and certified on the MF-104 forms.

W. M. Traver

W. M. Traver

enclosures

WMT/kp
cc 4, E671, Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 1954

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
October 6, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: John H. Soulé

Subject: DMEA 3151, Contract Idm-8671 (Uranium), Four Corners Exploration Co. (Flattop-Vilatie Hyde claims, Nos. 4 and 5) McKinley County, New Mexico--Progress report for September 1954

The subject project was visited on October 5, 1954. At the time of the visit, Stage I of the contract had been completed. Twenty holes were drilled for a reported total of 2,357 feet during September. A total of 10 holes, totalling 717 feet, was previously reported. This makes a total of 30 holes, totalling 3,074 feet, drilled for Stage I of the contract. These totals do not exceed the contract allowables.

According to the hole logs furnished by the operator, a summation of the hole depths is 2,357 feet which checks with the reported total. However, hole No. C.5-5.5 penetrated the Todilto limestone from 86 to 87 feet and the hole was bottomed at 104 feet. This is 17 feet below the base of the Todilto. According to the contract, only 5 feet is to be drilled below the base of the Todilto. This indicates an excess of 12 feet of drilling that should be disallowed according to a strict interpretation of the contract. Hole No. E.5-5.5 encountered no Todilto limestone and the hole was bottomed at 100 feet. The contract allows holes not penetrating the Todilto to be bottomed at 115 feet in the south half of the area. Thus, hole No. E.5-5.5 does not exceed the contract limits. Approval is given to 2,345 feet of drilling for the month of September which is 12 feet less than reported. The holes were drilled on a 200-foot coordinate system as specified in the contract. Approval is given to the hole locations.

A total of 1,918 feet of sealing of the overburden with bentonitic mud was reported. This checks with the summation of the individual hole depths to the top of the Todilto limestone. The 1,918 feet is approved. This work is allowed by Amendment No. 1 to the contract.

Some encouraging results were encountered in the drill hole logs. Radiometric readings as high as 1.50 percent U_3O_8 were recorded. Others contained 0.58, 0.42, and 0.20 percent U_3O_8. This indicates material of good ore grade and certainly constitutes a discovery. Certification will be recommended. The remaining holes contained from 0.06 percent U_3O_8 to nil.

The forms MF-104 and 104A were scanned. Because of the disallowance of 12 feet of drilling, the monthly and grand totals should be reduced by $10.80. Approval is given to 2,345 feet of drilling, totalling $2,110.50, and 1,918 feet of hole sealing, totalling $575.40. This makes approved totals to date of $2,755.80 for drilling and $725.70 for the hole sealing. The approved project total to date is $3,481.50. It is recommended that the Government's share of 90 percent of $2,685.90 or $2,417.31 be paid to the operator.

John H. Soule

John H. Soulé
Mining Engineer

JHS/kp

cc: 6
8671
Chron

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

Budget Bureau No. 42-R1036.5

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DME 3151 Contract No. Idm E 671
Operator's Name Four Corners Exploration Co. Minerals uranium
Address Box 116, Grants, New Mexico
Contract Amount, $2,189.00 Government Participation 90 % Amount, $10,970.10

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	$2,696.70	795.60	$3,492.30			
Bulldozing						
Crosscutting						
Drifting						
(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						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,696.70	795.60	$3,492.30	2696.70	795.60	3492.30

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

Date 9-27-54 *Payee Four Corners Exploration Co.
Co-Owner
Per [signature] Title

*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:

$ 2427.03

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. DMA-55-29
(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-E671 in accordance with the terms of the contract.

Signature John H Soule' $2,685.90 x 90% or $2,417.31 Title Mining Engineer Date Oct. 1, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W H Kerr Title Executive Officer Date OCT 11 1954

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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NOV 4 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 4, 195 Docket No. DMEA 3151 Contract No. Idm E-671

Operator's Name Four Corners Exploration Company Minerals uranium

Address Box 116, Grants, New Mexico

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core Rotary	foot	2,121.30	2,357	2,766.60	3,074	.90	9,450	.90
Sealing Overburden	"	575.40	1,918	725.70	2,419	.30	7,373	.30
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
		2,696.70	4,275	3,492.30				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT 12,189.00
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,696.70	4,275	3,492.30				12,189.00

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 9-27-54 Operator Four Corners Exploration

Per [signature] Title Co-Owner

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)

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

UTAH | COLORADO
ARIZONA | NEW MEXICO

Four Corners Exploration Company

P. O. BOX 101 GRANTS, NEW MEXICO

IRVING RAPAPORT
F. O. MANOL

September 27, 1954

Narrative Report for September - D.M.E.A. 3151

Flat Top #4 & #5 Claims, Section 30, T13N, R9W, Grants, N.M.

During the month of September, Stage 1 of this D.M.E.A. Project was completed.

Of the twenty holes drilled this month, ten were completely devoid of uranium, (two showed almost no limestone); three penetrated traces of uranium; four revealed low grade uranium mineralization; and three encountered good thicknesses of high-grade uranium ore to a maximum of seven feet of 1.12% U_3O_8. (see accompanying map and table)

The Grants District prpbably is producing and has more blocked-out ore than any other uranium district within the United States. Mineralization is sometimes encountered on 200 foot centers, but ore is very seldom found on this wide grid. The fact that three holes penetrated good ore on this spacing on these claims may merely be blind luck. It is more probable that this D.M.E.A. program has resulted in the discovery of a significant tonnage of relatively easily mined uranium ore.

The proposed holes for Stage 2 are X'd in red on the accompanying map. Their purpose is to ascertain the meaning of the holes in ore encountered on Stage 1. It is our desire to determine the size of the targets, the character of the ore, and the structural and mineralogical guides to ore before proceeding (on Stage 3) with closer drilling about other favorable holes drilled on Stages 1 and 2.

Within six weeks, freezing weather will preclude wet drilling,deferring exploration on this property till spring. We therefore hope that the proposed Stage 2 will meet your rapid approval and that this program will be sucessfully completed before the end of the year.

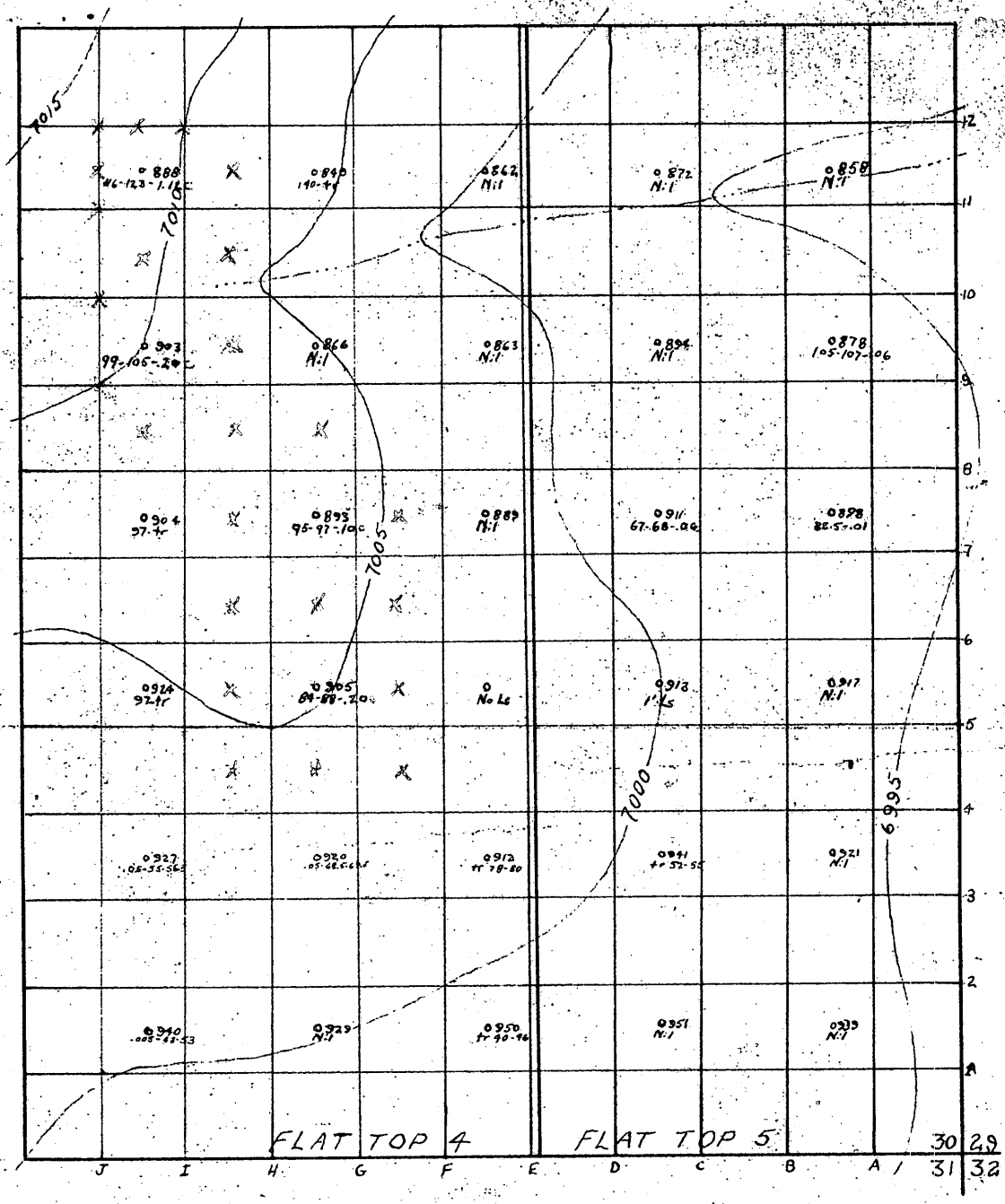
Irving Rapaport
Four Corners Exploration Company

Stratigraphic and Assay Information on Flat Top #4 #5, T13N, R9W, N.M.

Hole	Alluvium	Summerville	Todilto	Entrada	Gamma Ray Log From	To	Est U_3O_8	Cuttings From	To	est U_3O_8	U_3O_8
		none									
A.5-5.5	0 to 65'	65'-to-80'	65'to 80'	80to85			N11				
C.5-5.5	86	none	87	104			N11				
E.5-5.5	90	none	none	100			N11				
G.5-5.5	84	none	100	105	84'	88'	.42	.84'-88'		.20	
I.5-5.5	73	none	81	86	96	97	tr.				
A.5-7.5	81	none	99	104	88.5		.01				
C.5-7.5	66	none	88	93	67	68	.06				
E.5-7.5	65	103	113	118			N11				
G.5-7.5	77	83	113	118	95	97	.20	95 - 97		.10	
I.5-7.5	86	none	104	109	96	97	tr.				
A.5-9.5	70	98	118	123	105	107	.06				
C.5-9.5	84	none	104	109			N11				
E.5-9.5	122	none	138	143			N11				
G.5-9.5	73	121	139	144			N11				
I.5-9.5	64	99	107	112	99	105	.58	99-105		.20	
A.5-11.5	74	110	136	141			N11				
C.5-11.5	60	90	124	129			N11				
E.5-11.5	60	128	138	143			N11				
G.5-11.5	69	135	157	162	140		tr.				
I.5-11.5	67	114	124	129	116	123	1.50	116-123		1.12*	

* Chemical assay on cuttings 120' to 122' - .762% U_3O_8
Radiometric " " " " " " - .73% " "

FLAT TOP #4 + 5 Claims, T13N, R9W



LEGEND

⊙ 929 – 6,929' = Elevation base Todilto Limestone

.05 55-56 – .05% U_3O_8 from 55 to 56' below surface

7,000 – surface contour

SCALE 1" = 200'

200' 0 200' 400'

4 Corner Exploration Co.
Grants, New Mexico

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3151 (Uranium), Contract Idm-E671, Four Corners Exploration Company, (Flattop-Vilatie Hyde claims Nos. 4 and 5), McKinley County, New Mexico.

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 month of August 1954.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

September 21, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3151 (Uranium), Contract Idm-E671, Four Corners Exploration Company, (Flattop-Vilatie Hyde claims Nos. 4 and 5), McKinley County, New Mexico. Operator's Monthly Progress Report for the period August 1954.

Enclosed are the original and four copies of Form 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 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	Sept. 11, 1954
Date Received in Field Office	Sept. 16, 1954
Date Received in Region Office	Sept. 21, 1954.

W H King
W. H. King

Enclosures

RDB:mb
cc: Contract
Secretary, Oper. Comm. (2)
WMTraver
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 17, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3151, contract Idm-E671 (Uranium) Four Corners Exploration Company (Flattop-Vilatie Hyde claims Nos. 4 and 5) McKinley County, New Mexico--Progress report for August 1954

Enclosed are the original and four copies of the subject progress report, the initial one--forms MF-104 and MF-104A, with narrative and progress map--and the original and six copies of J. H. Soule's memorandum covering his inspection of the surface drilling progress and checking the accounting. The contract is unit cost on short form MF-200(A) and documentation is not required.

Soule' inspected the project the week of September 7-10 and confirms the drilling progress reported in the operator's narrative, shown on the sketch map, and entered on the MF-104A forms. This work consisted of 10 holes drilled for a total of 717 feet and sealing the overburden, and was in accordance with the terms of the contract and Amendment No. 1 thereto. The operator's narrative and engineer's covering memorandum adequately describe physical conditions encountered in the operations.

Payment is approved and certified on the MF-104 forms of $716.04 or 90 percent of the total $795.60 claimed by the contractor.

W. M. Traver

enclosures

cc 4
E671
DMEA Chron.

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 16, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: John H. Soule'

Subject: DMEA 3151, contract Idm-2671 (Uranium), Four Corners Exploration Company (Flattop-Vilatie Hyde claims Nos. 4 and 5) McKinley County, New Mexico - Progress report for August 1954

Work on the subject project was started during the latter part of August 1954 and 10 holes were drilled during the month. This is at variance with the 6 holes reported by Soule' in his preliminary progress report. The 6-hole figure was obtained orally from F. Manol, one partner. A check of the ground revealed more than 6 holes but it is difficult to distinguish completed holes from those that were drilled to the limestone with Aquagel mud and left to set. As logs were furnished for 10 completed holes, this figure is deemed acceptable. The above work completes 33 percent of Stage I of the contract.

From the logs furnished, the 10 holes totaled 717 feet. Of this, 501 feet was drilled in overburden, 166 feet in limestone, and 50 feet drilled in the formation underlying the limestone. Each hole was drilled 5 feet below the limestone which is in accordance with the terms of the contract.

According to the applicant's narrative report, 4 holes were barren, 4 contained traces of uranium mineralization and 2 indicated low-grade uranium mineralization.

The drilling, as shown from the logs, was in accordance with the terms of the contract and is therefore approved.

A total of $795.60 is reported on forms MF-104 and MF-104A. This is detailed as follows:

501 feet overburden with Aquagel mud at $0.30	$150.30
717 feet drilling at $0.90	645.30
	$795.60

The use of Aquagel mud is allowable by the terms of Amendment No. 1 to the contract.

This work seems to have been done according to the specifications of the contract. It is recommended that 90 percent of $795.60, or $716.04--the Government's share of the exploration costs--be paid to the operator, the Four Corners Exploration Company.

John H. Soule'

John H. Soule'
Mining Engineer

cc 6
E671
DMEA Chron.

JHS'tpam

UTAH | COLORADO
ARIZONA | NEW MEXICO

Four Corners Exploration Company

P. O. BOX 101 GRANTS, NEW MEXICO

IRVING RAPAPORT
F. O. MANOL

September 11, 1954

EXPLORATION UNDER THE DEFENSE MINERALS EXPLORATION ADMINISTRATION

FLAT TOP #4 & #5 CLAIMS, SECTION 30, TOWNSHIP 13 NORTH, RANGE 9 WEST

Ten holes, a total of 717 feet, were drilled during the last three days of the month of August, 1954, on the Flat Top #4 and #5 Claims. Footage for these holes, estimated previously on the basis of a structure contour map, was 755 feet or 5% more than the actual footage required. This correlation is remarkably close considering the fact that the limestone is highly warped and individual holes vary from the original estimate by as much as 23 feet.

The overlying sand and gravel was penetrated using water and aquagel as a circulating medium; after the hole had dried, the limestone was drilled with air and cutting were caught. Dilution through the caving of overlying material appeared minor. Samples have been divided by use of Jones Splitters and are now stored in our warehouse. Holes were logged shortly after drilling and the results have been plotted on the accompanying structure-countour - assay map.

Of the tem holes, four were dead, four contained traces of uranium mineralization, and two revealled low grade uranium mineralization to a maximum of .07% U_3O_8.

Initial exploration revealled the following features:
1) Concern about the absence of limestone due to erosion appears unfounded. All holes penetrated limestone the average thickness being 16.5 feet; the normal full section of Todilto is about 20 feet.
2) Uranium mineralization definitely appears to extend into this area.
3) Little ore has been found in flat, uncrenulated areas. The limestone on the Flat Top #4 and #5 Claims appears highly warped.

Hole	Alluvium	Limestone	Entrada	$\%U_3O_8$	From	To	High Value	@ Depth
A.5-1.5	0 to 41'	41' to 57'	57' to 62'		Nil			
C.5-1.55	31	47	52		Nil			
E.5-1.5	40	49	54	tr.	40	46	.005	40.5'
G.5-1.5	44	74	76		Nil			
I.5-1.5	42	60	65	.005	43	53	.01	44.5'
A.5-3.5	55	75	80		Nil			
C.5-3.5	46	58	63	tr.	52	55	tr.	52-55
E.5-3.5	77	90	95	tr.	78	80	tr.	78-80
G.5-3.5	69	83	88	tr.	75	78.5	.005	78
				.03	68	70	.05	68.5-69.5
I.5-3.5	56	76	81	.02	54.5	63.5	.05	55 -56.5
							.07	55.5
Totals	501	166	50					

total feet drilled 717

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1954 Docket No. DMEA 3151 Contract No. Idm E 671
Operator's Name Four Corners Exploration Company Minerals Uranium
Address Box 116, Grants, New Mexico
Contract Amount, $ 12,189.00 Government Participation: 90 % Amount, $ 10,970.10

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	$795.60	none	$795.60			
Bulldozing						
Crosscutting						
Drifting						
(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						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$795.60	none	$795.60	795.60	—	795.60

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

Date 9-11-54 *Payee Chas Rapaport

Per 4 Corners Exploration Title Co-Owner

*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:

$ 716.04

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 10-11-54 Vou. No. DMA-55-24

(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. du-E 671 in accordance with the terms of the contract.

Signature John H. Soule #716.04 Title Mining Engineer Date Sept. 16. 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.B.

Signature W. H. King Title Executive Officer Date SEP 23 1954

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.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 3151 Contract No. Idm E671

Operator's Name Four Corners Exploration Company Minerals Uranium

Address Box 116, Grants, New Mexico

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core --- Rotary	foot	$645.30	717	$645.30	717	$.90	9,450	$.90
Sealing --- Overburden	"	$150.30	501	$150.30	501	$.30	7,373	$.30
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$795.60	1,281	$795.60				Total Costs Authorized by Contract
								$12,189.00
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$795.60		$795.60				$12,189.00

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 9-11-54 Operator Four Corners Exploration Company

Per Irving Rapaport Title Co-Owner

Irving Rapaport

Remarks: Following amendment have sealed the overburden @ $.30/foot instead of employing casing as called for in the original contract @ $.50/foot.

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

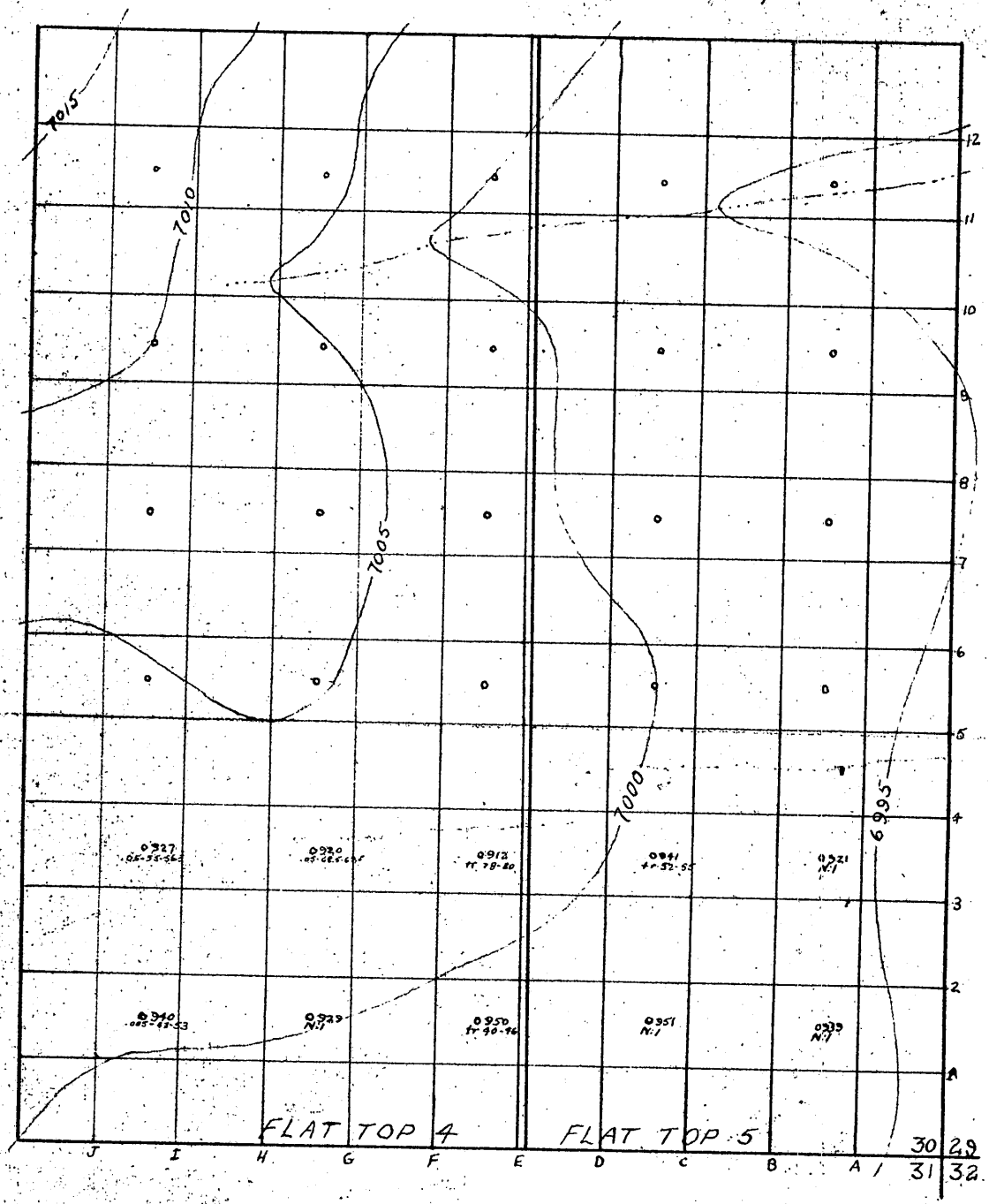
Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better 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 83-38475

FLAT TOP #4 + 5 Claims, T13N, R9W



LEGEND

⊙ 929 – 6,929' = Elevation base Todilto Limestone

⊙ .05 55-56 – .05% U_3O_8 from 55 to 56' below surface

—7,000— – surface contour

SCALE 1" = 200'

200' 0 200' 400'

4 Corner Exploration Co.
Grants, New Mexico

FLAT TOPS #4 & 5

Section 30, T13N, R9W, N.M.

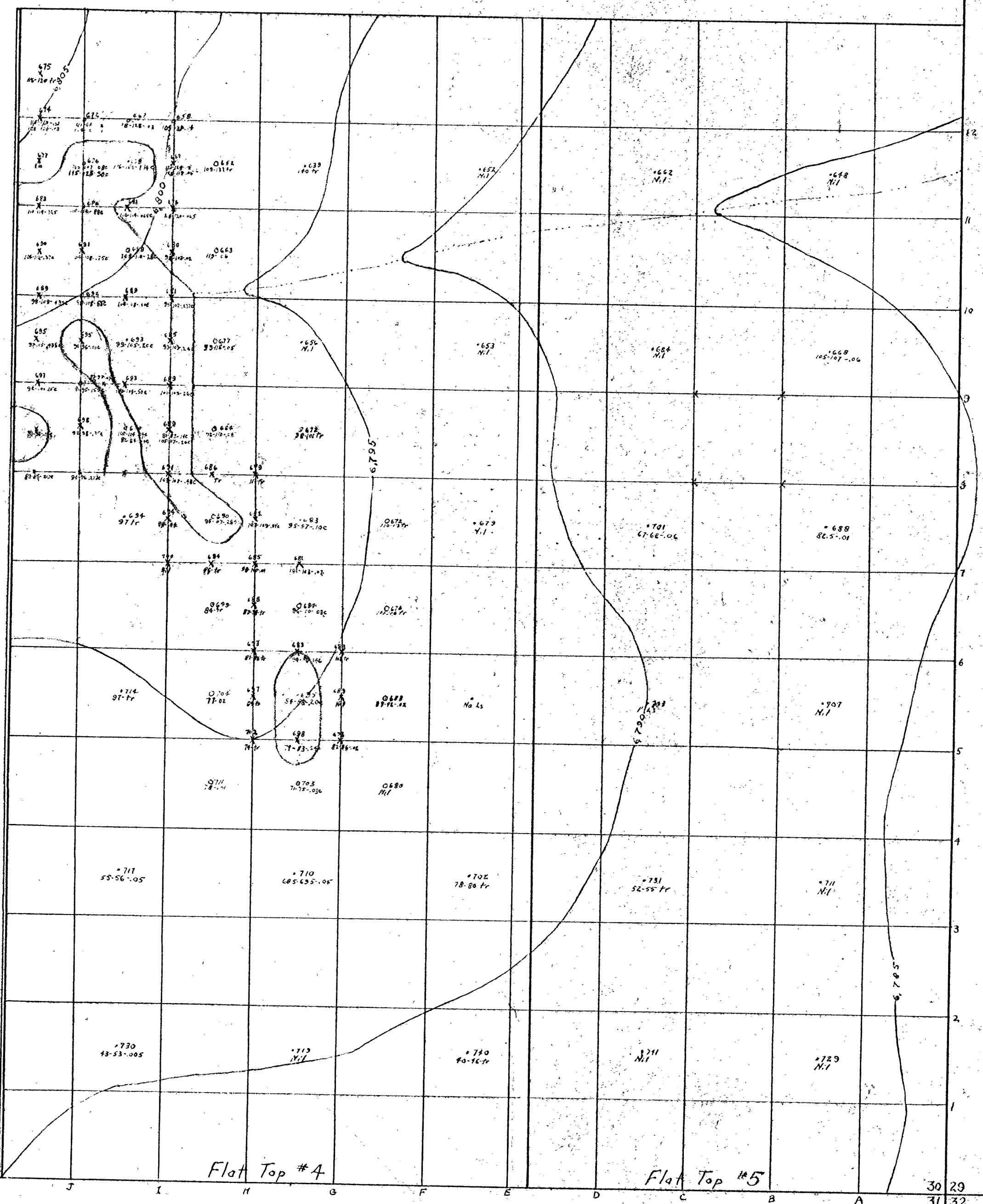
Scale 1" = 100'

0 50 100 200

N

Legend

→6,800← surface elevation (sea level datum)
0678 elevation base Todilto limestone
.56-56-.05c .05% U_3O_8 from 55'-56' below surface
c = chemical assay on cuttings
• Hole drilled on 1st stage
○ " " " 2nd "
X " proposed " 3rd "



L. Rapaport
4 Corners Exploration
Grants, New Mexico

FLAT TOPS #4 & 5

Section 30, T13N, R9W, N.M.

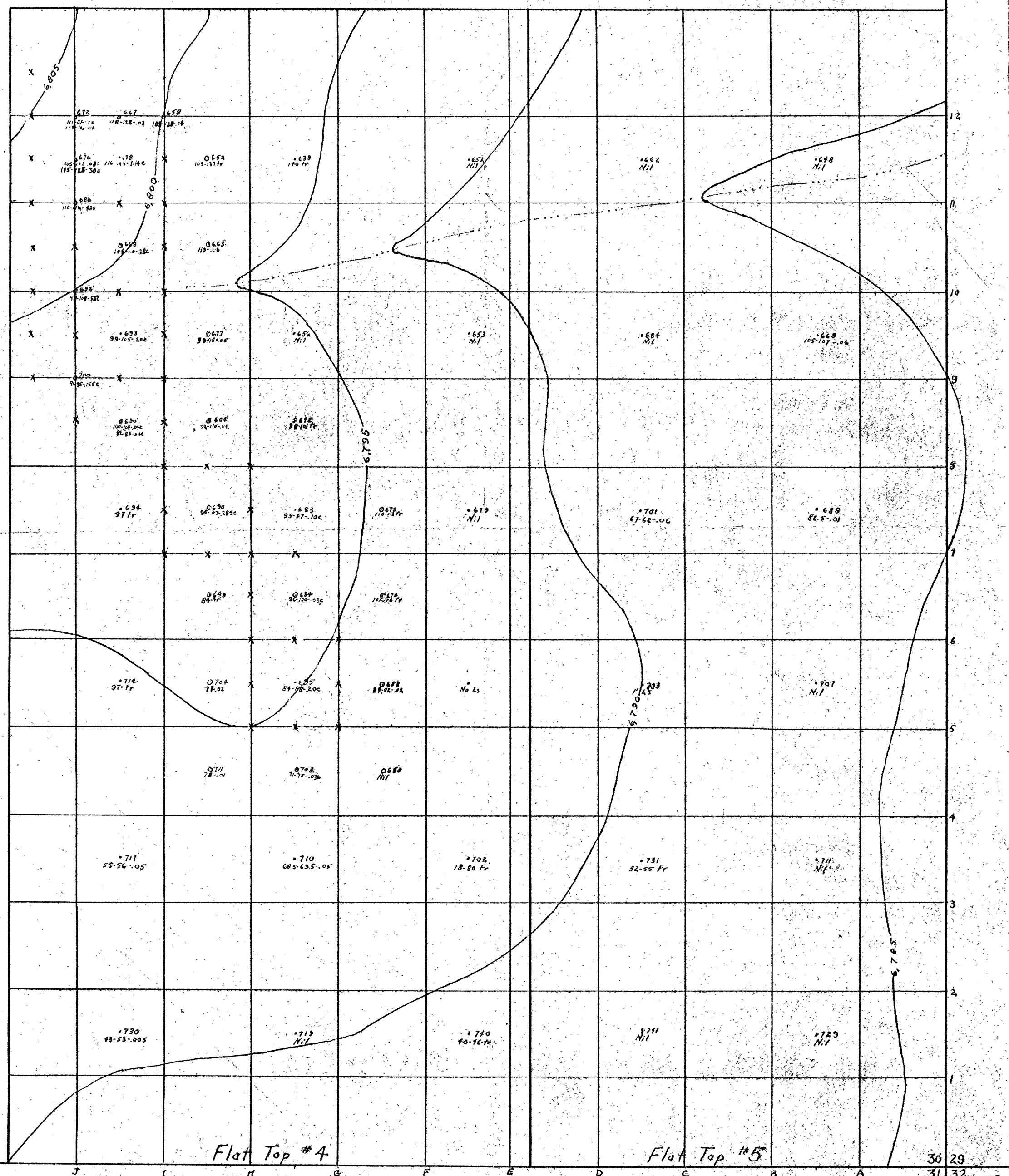
Scale 1" = 100'

0 50 100 200

N

Legend

—6,800—	surface elevation (sea level datum)
0678	elevation base Todilto limestone
.05-56-.05c	.05% U_3O_8 from 55'-56' below surface c = chemical assay on cuttings
•	Hole drilled on 1st stage
⊙	" " " 2nd "
X	" proposed " 3rd "



1. Ra
4 Corners E
Grants, New