OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington Office pertaining to Contract Idm-5397, Docket DMEA-1957 (uranium), dated September 4, 1952, with

Ellihill Mining Company
c/o William P. Reves, C.P.A.
First National Bank Bldg.
Price, Utah

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Jomac Mine located in San Juan County, Utah, during the period November 18, 1954, through November 22, 1961.

A certification of discovery or development was issued on November 4, 1953, and, in accordance with Article 6 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated February 19, 1954, indicated accepted costs under the exploration contract amounting to $18,973.11 with the Government's contribution on a 90 percent basis being $17,075.80.

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

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Royalty Audit Certificate, which found the sales subject to the Government's royalty through November 17, 1954, to be $75,222.89. The royalty account as of November 17, 1954, was:

Total Royalty Payable	$3,761.15
Total Royalty Paid	3,714.42
Balance of Royalty Due	$ 46.73

At November 22, 1961, the royalty account of this project was found to be:

Total Royalty Payable	$3,761.15
Total Royalty Paid	3,761.15
Balance of Royalty Due	$ -0-

E. D. Talbert

E. D. Talbert, OME Auditor

December 1, 1961

STATUS OF PROJECT, SCOPE OF REVIEW AND REASONS THEREFOR

The files indicate that the property under this contract, consisting of the Jomac I, Jomac II, and Jomac III claims owned by the Operator, have been inactive since December 1954. A report of a March 19, 1955, examination of the property by a regional engineer states "No work has been done at the mine since operation ceased in December 1954. It is assumed that most of the unmined material is considered to be below commercial-grade ore". Subsequent inspections, checks of A.E.C. production records, and inquiries by regional engineers have confirmed the continued inactivity of the property.

All sales of production from the date of the contract are covered by a Royalty Audit Report and Certificate dated June 7, 1955. The $46.73 balance stated therein as due the Government was received during July 1955.

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

(1) The property has been inactive since December 1954;

(2) All sales of production have been reported and proper royalty thereon paid; and

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

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name and Address

Ellihill Mining Company
c/o William F. Reves
First National Bank Bldg.

Price, Utah

Contract No.	Docket No.
Idm E397	DMA 1957

Prepared by (Signature)	Date
Original signed by Hugh M. Connors	11-22-61

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

Dec. 1954 Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

The A.E.C. production records for the first and second quarters of 1961 have been checked and no production from the Jomac claims is shown.

84861-60

Building 20 - Federal Center
Denver 25, Colorado

EXTRA COPY
O. M. E.
RECEIVED DEC 11 1961
DATE | INITIALS | 800

December 7, 1961

Ellihill Mining Company
c/o William F. Reves
First National Bank Bldg.
Price, Utah

Re: DMEA-1957 (Uranium)
Ellihill Mining Company
(Jonac Mine)
San Juan County, Utah
Contract Idm-E397

Gentlemen:

Enclosed is a copy of the Report of Royalty Review on the captioned property dated December 1, 1961 for the period November 18, 1954, through November 22, 1961, which shows that no royalty is due the Government at this time.

Yours very truly,

Original signed by HMC

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

Enclosure
HMC/lm
cc Chief, Division of Field Operations
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. Idm E397
Chron

EXTRA COPY
O. M. E
RECEIVED DEC 11 1961

DATE	INITIALS	CODE
		900

Building 20 - Federal Center
Denver 25, Colorado

December 7, 1961

Memorandum

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

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

Subject: DMEA-1957 (Uranium)
Contract Idm E397
Wilihill Mining Company
(Jonas Mine)
San Juan County, Utah

Attached is the original Report of Royalty Review on the subject property dated December 1, 1961 covering the period November 18, 1954 through November 22, 1961.

Original signed by HMC

for Hugh M. Connors

Attachment
HMC/lm
cc Chief, Division of Field Operations (2)
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres Idm E397
Chron

DEC 1 1961

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-1957 (Uranium)
Ellihill Mining Company
Jomac Mine
San Juan County, Utah
Contract Idm-E397

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

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

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

Attachments

EDTalbert/ama 12-1-61

cc:
Docket
Director's Reading File
CA & A Division
Mr. Rothrock

NOV 20 1961

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-1957 (Uranium)
Ellihill Mining Company
Jomac Mine
San Juan County, Utah
Contract Idm-E397

This Division is preparing a Report of Royalty Review on the subject contract. Accordingly, your submission of an original and one copy of MME Form 22, Check Sheet of Examining Engineer, will be appreciated.

It appears that this project has been inactive since December 1954. If this is so, please make an appropriate statement under item 8 of MME Form 22.

EDTalbert/ama
November 20, 1961

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

TRIPLICATE

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

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 413 Treasury Region[redacted] Office, Denver, Colo. July [redacted] 1955
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

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

for accounts listed below. SCHEDULE Nos.

DEPOSIT NO. 14-23-040-6

$ 1,299.66

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		406.17
14X6875(23)		893.49

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

Defense Minerals Exploration
Administration
224 New Customhouse
Denver 2, Colo.

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

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

B. Hedcoupe
(Authorized signature)

[redacted] 14 1955
(Date of credit in Treasurer's account)

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

16—59686b-1 GPO

E-649 Camoose 359.44

E-397 Ellicott 46.73

Suspense

E-597 Simplot 893.49

ADMINISTRATIVE
OFFICE
REGION III
15 1955
BUREAU OF MINES
DENVER, COLORADO

1955 JUL 14 PM 12 28
MAIL BRANCH

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTRACT ADMINISTRATION AND AUDIT DIVISION

FIRST ROYALTY AUDIT CERTIFICATE

I have examined the records and sales documents pertaining to the sale of Uranium Ores for the period December 18, 1953 through November 17, 1954, by

Ellihill Mining Company
c/o William F. Reyes, C.P.A.
First National Bank Building
Price, Utah

produced from the Jemac Mine near White Canyon, thirteen miles northeast of Hite, San Juan County, Utah, under the terms of Contract Idm-X397, Docket No. DMEA 1957.

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

The audit established the total net sales of Uranium Ore for this period to be $75,222.89, including all applicable bonus, premiums and allowances. Royalty due the United States Government at the contract rate of 5% is $3,761.15. The royalty paid and balance due are as follows:

Total Royalties Due	$3,761.15
Total Royalties Received	3,714.42
Balance of Royalties Due	$46.73

June 7, 1955

Donald T. Finch

Donald T. Finch, Auditor

FIRST ROYALTY AUDIT REPORT

I INTRODUCTION

On May 2, 3 and 16, 1955 an audit of royalty payments due, covering the period December 18, 1953, through November 17, 1954, was made of the ore sales data pertaining to Contract Idm-8397, Docket DMEA 1957, with

Ellihill Mining Company
c/o William F. Reves, C.P.A.
First National Bank Building
Price, Utah

covering a project of exploration for Uranium located at the Jomac Mine, near White Canyon, thirteen miles northeast of Hite, San Juan County, Utah.

Sales data consisted of copies of settlement sheets furnished to the Executive Officer, DMEA Field Team, Region XII, by the purchaser. This purchaser was the Colorado Plateau Uranium Ore Project, operated by the American Smelting and Refining Company.

II GENERAL INFORMATION

The original contract (short form) dated September 4, 1952, authorized a total exploration cost of $19,050.00 with Governmental participation of 90%, or $17,145.00. According to a Report of Review, dated February 19, 1954, by B. J. Brekhus, DMEA Auditor, the accepted costs of exploration amounted to $18,973.11 with Governmental participation of $17,075.80.

The DMEA Certificate of Discovery is dated November 14, 1953. The production area subject to DMEA royalty is described in this certificate and in Article 2 of the Exploration Contract.

Shipments for the period December 18, 1953 through October 14, 1954 were delivered to the receiving station located at Monticello, Utah. The last reported shipment on November 17, 1954 was delivered to the then recently established receiving station located at White Canyon, Utah.

Sales of ores from this project were under A.E.C. License No. 1002. Production bonus was payable under designation D.U.P.C-6-C-89. The ores produced contained Uranium and Copper. Copper content was less than 1% and, therefore, the purchaser made no payment for Copper.

According to a report by the Examining Engineer, U.S.B.M., all operation ceased in December, 1954.

III. SCOPE OF AUDIT AND FINDINGS

The Audit was limited to determining the accuracy and propriety of royalty payments received by the Finance Officer, which were applicable to production and sales of ores during the period December 18, 1953 through November 17, 1954, and a determination that all indicated sales of ores subject to repayment royalties under the Exploration Contract have been properly accounted for.

The extent of the audit and the findings follow:

A. Conference with the Examining Engineer, U.S.B.M.

In lieu of a conference with the Examining Engineer, reference was made to "Semiannual Report of Certified Project" - July 1, to December 31, 1954, which was transmitted to the Executive Officer, DMEA Field Team, on April 12, 1955.

During the audit the production shown on this report was reconciled with the audit compilation.

B. Audit of Settlement Sheets

During the audit an itemized statement of production, sales and royalties was prepared from copies of ore settlement sheets received by the Executive Officer, DMEA Field Team, Region III. A condensed summary of this statement is as follows:

Purchaser: Colorado Plateau Uranium Project, A.S.&R.
Period: December 18, 1953 through November 17, 1954.
Number of Lots of Ore: Sixty-two

Gross Wet Weight, Pounds	6,260,580 Lbs.
Net Dry Weight, Pounds	6,027,407 Lbs.
Net Dry Weight, Tons	3,013.7035 Tons
Settlement Assay U_3O_8 (Average)	.161157
Pounds U_3O_8	9,713.58 Lbs.
Price Per Lb. U_3O_8 (Average)	$2.76823
Payment U_3O_8	$26,889.39
Development Allowance @ 50¢ per lb.	$ 4,856.79

Premium

Excess 4 Lbs. U_3O_8 per Ton

Pounds U_3O_8	16.29 Lbs.
Amount @ 75¢ per lb.	$12.22

Haulage Allowance	
Wet Tons of Ore	3,130.29 Tons
Allowance per Wet Ton (Average)	$5,647
Amount of Haulage Allowance	$17,677.75
Lime Penalty	$ [illegible]
Sampling Charge	$ 3.00
Total Payments by Receiving Station	$49,052.35
Production Bonus	26,170.54
Total Value Subject to DMEA Royalty	$75,222.89
Average Value Per Ton of Ore	$24.96
DMEA Royalty Due @ 5%	$ 3,761.15
DMEA Royalty Received	3,714.42
Balance DMEA Royalty Due	$46.73

The itemized detail for the foregoing statement is filed as part of the audit working papers.

Discussion of the above data and the degree of confirmation follows:

Gross Weight, Pounds

Gross weight in pounds represents the total weight shown on the ore settlement sheets. All gross weight totals were recomputed where applicable.

Dry Weight, Pounds

This item is the total of the dry weight of individual lots. Moisture percentage as determined by the assay was shown for each lot. All computations of this nature for the period December 18, 1955 through November 17, 1954, were recomputed during the audit.

Dry Weight, Tons

Dry weight in tons was recomputed during the audit and used to determine the applicable percentage of DMEA royalty.

Settlement Assays U_3O_8

The settlement assays were shown on each settlement sheet. The assay shown in the condensed summary of this report is a weighted average. Actual settlement assays ranged from .1307 to .210144 percent for the period December 18, 1953 through November 17, 1954.

Price Per Pound U_3O_8

Prices paid by the Purchaser were based on A.E.C. established prices. The Purchaser, however, instead of making payment on the basis of the nearest .01 percent of U_3O_8 content, used the assay content carried to eight decimals and derived an interpolated price per pound ranging five decimal places. All

computations of prices were confirmed during the audit. It was ascertained that the purchaser's method of determining the price per pound of U_3O_8 was to the seller's advantage in the majority of instances. These prices ranged from $2.11316 to $3.50 per lb. of U_3O_8. The price shown on the condensed summary in this report is a weighted average for the period under review.

Pounds, U_3O_8

This item represents the total pounds of U_3O_8 as shown on each settlement sheet. The pounds of U_3O_8 applicable to each lot were determined by applying the appropriate assay grade to the dry pounds of ore. All computations for each lot and all totals for the period December 18, 1953, through November 17, 1954, were recomputed during the audit.

Payments for U_3O_8

All base payments were at the prices derived in the manner previously described in this report. Extensions for all payments applicable to the period audited were recomputed during the audit.

Development Allowance

Development allowance was at the A.E.C. prescribed rate of 50¢ per lb. of U_3O_8. All computations of development allowance for the period were recomputed during the audit.

Premiums

Excess of 4 lbs. U_3O_8 per Ton

Payments for this premium were at the A.E.C. prescribed rate of 75¢ per excess pound. There were only two lots during the period December 18, 1953 through November 17, 1954 that were eligible for this premium. All applicable computations were recomputed during the audit.

Excess of 10 lbs. U_3O_8 per Ton

There were no shipments eligible for this premium.

Haulage Allowance

Haulage allowances paid by the purchaser were at the A.E.C. prescribed rate of 6¢ per wet ton mile. All computations involved in the payment of haulage allowance for the audit period were recomputed.

Lime Penalty

Five lots of the operator's ores were assessed a penalty for lime content in excess of 6%. This lime penalty ranged from $1.12 to $1.15 per ton of ore. All computations involved in the determination of the amounts of lime penalties were recomputed during the audit.

Total Receiving Station Payment

The computation of all total Receiving Station payments during the period December 18, 1953, through November 17, 1954, was confirmed during the audit.

Production Bonus

Correspondence by the Auditor with the Grand Junction Operations Office of the Atomic Energy Commission revealed the following situation in respect to production bonus:

Balance of Pounds of U_3O_8 subject to Production Bonus on September 4, 1952 (the effective date of the Exploration Contract)			9,534.12 lbs.
Production December 18, 1953 through October 14, 1954		9,127.98 lbs.	
Liquidation Settlement No. 6539 November 17, 1954	585.60 lbs.		
Exempt from Bonus	179.46 "	406.14 "	
Total as above			9,534.12 lbs.

Further analysis of this item and the status of applicable DMEA Royalty follows:

Total value of earned Production Bonus upon which DMEA Royalty has been paid	$25,236.42
Value of earned Production Bonus upon which DMEA Royalty has not been paid, Liquidation Settlement No. 6539, November 17, 1954 (406.14 lbs. U_3O_8 @ $2.30 per lb.)	934.12
Total value of earned Production Bonus as confirmed during the audit and as shown on the Summary in this report:	$26,170.54

DMEA Royalties Due

DMEA royalty due for the period December 18, 1953, through November 17, 1954, at the contract rate of 5% of total sales value of $75,222.89 amounts to $3,761.15.

DMEA Royalties Received

On April 26, 1955, the Auditor confirmed that the DMEA Finance Officer had received payment on royalties due from the Operator of $3,714.42.

Balance of DMEA Royalties Due

The balance of DMEA Royalties Due from the Operator consists of a minor mill adjustment and 5% of the A.E.C. Production Bonus applicable to Liquidation Settlement No. 6539, dated November 17, 1954, and previously discussed in this report under the analysis of Production Bonus.

Audit of Operator's Records

As previously stated in this report, operations at the Jomac Mine ceased in December, 1954. Production data compiled during the audit from settlement sheets obtained directly from the ore purchaser, was reconciled with the Examining Engineer's report and with data secured from the A.E.C. In view of this reconciliation, examination of the Operator's records was not considered necessary at this time.

IV CONCLUSIONS

The audit has confirmed the accuracy and propriety of the royalty payments received by the Finance Officer, which are applicable to reported ore sales during the period December 18, 1953, through November 17, 1954, with the exception of the balance of royalty due described in the preceding section of this report. It has also determined that all indicated sales of ores during the subject period for which settlement sheets have been received, have been accounted for.

June 7, 1955

Donald T. Finch

Donald T. Finch, Auditor

DMEA
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

April 12, 1955

Memorandum

To: W. H. Trover, Executive Officer, DMEA Field Team, Denver III

From: Stephen R. Wilson

Subject: Docket No. DMEA-1957 (Uranium), Contract No-5597, Millhill Mining Co., San Juan County, Utah

Attached are the original and eight copies of a Semiannual Report of Certified Project covering the subject property for the period July 1, 1954 to December 31, 1954. The report was prepared by W. E. Young and has been corrected to conform with information contained in your memorandum of April 6, 1955.

The company ceased operations on the property during December 1954. Inasmuch as the total number of pounds of U_3O_8 produced since the start of operations totals more than 10,000 pounds, the AEC bonus has expired. It is probable that the company terminated operations primarily because of this reason.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

SEMI-ANNUAL REPORT OF OPERATION UNDER

July 1, 1954 to December 31, 1954

Docket:	[illegible]-1957, Contract I[illegible]-1957
Commodity:	Uranium
Contractor:	[illegible] Mining Company, White Canyon, Utah
County and State:	San Juan County, Utah
Date of Certification:	November 4, 1953
Date of examination for this report:	March 19, 1955
Total Contract amount:	$19,250.00
Total expended:	$16,973.11
Government participation:	$17,673.00 (93%)
Expiration date of royalty payments:	September 4, 1958
Production this period:	1,047.29 dry tons
Royalties this period:	$1,311.70
Royalties to date:	$3,714.42

The uranium mineralization in the Jonnie mine occurs in association with carbonaceous material at and near the erosional contact of the Upper Triassic Shinarump formation and the underlying Lower Triassic Moenkopi formation.

Royalty received by the Government during the reporting period totals $1,311.70. The ore produced totals 1,047.29 dry tons. The pounds of uranium produced since the start of operation totals 10,013.97 pounds. No work has been done at the mine since operation ceased in December 1954. It is assumed that most of the unmined material is considered to be below commerical-grade ore.

None of the company personnel was present at the time the property was visited. All equipment had been moved except two old compressors.

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

JUN 1 4 1955

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

Re: Royalty Audit
Idm-E397, DMEA-1957
Ellihill Mining Company

Dear Mr. Finch:

Receipt is acknowledged of your First Royalty Audit Certificate and Audit Report of the above-cited Exploration Project Contract.

The Report is acceptable and may be distributed in the usual manner.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

WBorovies/wb
June 14, 1955

Copy to: Docket
Admr. Reading File
Mr. Chambers

222 New Customhouse
Denver 2, Colorado
Attention: Donald T. Finch

April 27, 1955

Re: Certification Jomac Mine
Certification No. D.U.P.C.-6-C-89
DMEA Contract IDME-397

Mr. Sheldon P. Wimpfen, Manager
Grand Junction Operations Office
Atomic Energy Commission
Post Office Box 270
Grand Junction, Colorado

Dear Mr. Wimpfen:

The Defense Minerals Exploration Administration has a contract for exploration for uranium covering Jomac claims Nos. 1, 2 and 3 in the White Canyon Mining District, San Juan County, Utah operated by the Ellihill Mining Company.

It appears this property was certified by Atomic Energy Commission since some time in the Spring of 1951 (Certificate D.U.P.C.-6-C-89).

The effective date of the DMEA Contract is September 4, 1952.

At the present time DMEA is engaged in making an audit of production and royalties due the United States Government since September 4, 1952.

It will be appreciated if you will advise us of the balance of pounds of U_3O_8 on September 4, 1952 eligible for bonus payments when contained in ores from the Jomac Mine and delivered to a qualified mill or commission ore buying station. It will also be appreciated if you will advise us of the balance, if any, remaining as of April 27, 1955.

Sincerely,

Donald T. Finch
DMEA Auditor

DTF:sr

cc Jay L. Chambers
Chron
Royalty E-397
Audit File E-397

E-397

For Certificate of Deposit No. 65, dated January 28, 1955, giving royalty repayment of $25.92, see E-4.

For Certificate of Deposit No. 57, dated December 30, 1954, giving royalty repayment of $155.12, see E-4.

For Certificate of Deposit No. 55, dated December 23, 1954, giving royalty repayment of $66.88, see E-4.

For Certificate of Deposit No. 48, dated November 16, 1954, giving royalty repayment of $234.26, see E-4.

For Certificate of Deposit No. 47, dated November 10, 1954, giving royalty repayment of $88.57, see E-4.

For Certificate of Deposit No. 39, dated October 19, 1954, giving royalty repayment of $138.96, see E-4.

For Certificate of Deposit No. 36, dated October 8, 1954, giving royalty repayment of $222.73, see E-333.

For Certificate of Deposit No. 32, dated September 24, 1954, giving royalty repayment of $119.94, see E-4.

For Certificate of Deposit No. 27, dated September 14, 1954, giving royalty repayment of $165.27, see E-4.

For Certificate of Deposit No. 17, dated August 18, 1954, giving royalty repayments of $39.00 and $55.05, see E-4.

For Certificate of Deposit No. 14, dated August 11, 1954, giving royalty repayment of $84.72, see E-4.

E-581

For Certificate of Deposit No. 5, dated July 19, 1954, giving royalty repayment of $42.37, see E-317.

E-397

For Certificate of Deposit No. 3, dated July 15, 1954, giving royalty repayment of $328.98, see E-4.

E-397

For Certificate of Deposit No. 15, dated June 10, 1954, giving royalty repayment of $141.89, see E-236.

Ellihill

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

224 New Customhouse
Denver 2, Colorado

May 25, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Ellihill Mining Company, Docket No. 1957, Contract No. E397, Utah

Enclosed is check in the amount of $378.56 from Ellihill Mining Company, which represents the following:

Balance due on royalty on Liquidation Nos. 5251 and 5252	$170.22
Royalty on A.E.C. Production Bonus on Liq. Nos. 5251 and 5252	208.34
	$ 378.56

QUADRUPLICATE

STANDARD FORM 209c (Formerly Cert. of Deposit, Form 6599)
Promulgated August 1951 by Treasury Department, Fiscal Service

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

DEPOSIT NO. 14-23-040--9

Deposited with The Federal Reserve Bank of Kansas City, Denver, Colo. (Name and location of depositary) 5/26/54 (Date sent)

$ 378.56

the sum shown opposite for credit, subject to check, in the disbursing account of—

SYMBOL NO. 413

C. E. Evans, 363 New Customhouse, Denver 2, Colorado
(Name and address of officer to be credited)

On account of— 14X4401

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

Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

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

(Authorized signature)

May 26 1954
(Date of credit in Treasurer's account)

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

C
O
P
Y

224 New Customhouse
Denver 2, Colorado

May 12, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Docket No. 2135, Contract No. 381, Sunnyside Uranium Co., Utah; Docket No. 1957, Contract No. 397, Ellihill Mining Co., Utah; Docket No. 2515, Contract No. E440, Moreno Uranium Corp., Utah; Docket No. 2888, Contract No. E595, Fred Schwartzwalder, Colo.; Docket No. 3093, Contract No. E641, Red Canyon Mines, Utah.

Enclosed are the following settlement sheets covering ore shipped by the above-mentioned Operators to Colorado Plateau Uranium Ore Project:

Liquidation No. 5266, 5251, 5252, 5182, 5201, 5338, 5259.

Also enclosed is check in the amount of $891.03 in payment of royalty on these shipments as follows:

Liq. No. 5266-Sunnyside Uranium Company	-	$257.53
5251-Ellihill Mining Company	-	94.92
5252-Ellihill Mining Company	-	114.47 ← See E-36 for C.L. #4
5182-Moreno Cripple Creek (Moreno Uranium Corp.)	-	40.32
5201-Fred Schwartzwalder	-	123.89
5338-Fred Schwartzwalder	-	203.80
5259-Red Canyon Mines	-	56.10
		$891.03

/s/ John F. Shaw
For W. H. King

Enclosures

E-397

For Schedule of Collections No. DMA-C-130, dated April 26, 1954, giving royalty repayment of $163.20, see E-7.

For Schedule of Collections No. DMA-C-122, dated April 14, 1954, giving royalty repayment of $200.76, see E-4.

E-397

For Schedule of Collections No. DMA-C-121, dated April 12, 1954, giving royalty repayment of $94.52, see E-4.

For Schedule of Collections No. DMA-C-114, dated March 25, 1954, giving royalty repayment of $118.70, see E-4.

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. [illegible]

Sheet No. 1

(14-23-010)

Department of the Interior
(Department or Establishment)

Defense Minerals Exploration Administration
(Bureau or Office)

Received by [illegible] Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period March 1954 (Month or quarter ended)

D. O. Symbol No. 433

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
3/9/54		Hillhill Mining Company, Check No. 419 drawn on the Citizens State Bank of Cortez, Cortez, Colo.	Repayment under the Mineral Exploration Program, Contract No. [illegible], Hillhill Mining Co.	341.75	DMM01 Revolving Fund Defense Production Act, Interior
" "		Fred Schwartzwalder, Check No. 2 drawn on the First National Bank, Golden, Colorado	Repayment under the Mineral Exploration Program, Contract No. [illegible], Fred Schwartzwalder	236.97	" " "
" "		Coryl Uros Company, Arvada, Colorado, Check No. 1754 drawn on First National Bank, Loveland, Colo.	Repayment under the Mineral Exploration Program Contract No. [illegible], Con Salla and Kenneth Lewis	2.65	" " "
			Total,	581.37	

Received _____, subject to collection.

Forwarded March 9, 1954

_____
(Disbursing clerk or accountable officer)

By _____

By _____
(Name)

Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

U. S. GOVERNMENT PRINTING OFFICE 10—1790

For Schedule of Collections No. DMA-C-102, dated February 26, 1954, giving royalty repayment of $173.75, see E-53.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1954

224 New Customhouse
Denver 2, Colorado

January 29, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty Payment-Balance on Liquidat on No. 4718 and 5% of Bonus check, Contract No. E397, Docket No. 1957, Ellihill Mining Company, Utah

Enclosed is check in the amount of $87.10 to cover balance of $50.30 due on Liquidation No. 4718, and $36.80, for 5% of the bonus check of $735.90 paid to the Operator by the Atomic Energy Commission on the same settlement.

W. H. King

Enclosure

es

cc: Royalty file
Sec. to the Oper. Comm. (2)
Wilson
Chron.

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

(14-23-040)

Schedule No. DMA-54-0-07

Sheet No. 1

Department of the Interior
(Department or Establishment)

Defense Minerals Exploration Administration
(Bureau or Office)

Received by C. E. Evans, Regional Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period February 1954 (Month or quarter ended)

D. O. Symbol No. 413

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
2/2/54		Ellihill Mining Company, Check No. 413 drawn on The Citizens State Bank of Cortez, Cortez, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E397, Ellihill Mining Co.	87.10 ✓	14X4401 Revolving Fund Defense Production Act, Interior
" "		Hetzer-Mines, Inc., Check No. 1786 drawn on First National Bank in Boulder, Boulder, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E53, Eureka Tungsten Mining Co.	75.78 ✓	" "
" "		Gateway Mining & Development Co., Check No. 1224 drawn on United States Bank of Grand Junction, Grand Junction, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E408, Gateway Mining Co.	93.65 ✓	" "
" "		United States Vanadium Company, Check No. 0072 drawn on The First National Bank in Rifle, Rifle, Colorado	Repayment under the Mineral Exploration Program, Contract No. Idm-E440, Moreno Cripple Creek Corp.	104.16 ✓	" "
" "		American Smelting and Refining Co.--El Paso Smelting Works, Check No. 35106 drawn on The State National Bank, El Paso, Texas	Repayment under the Mineral Exploration Program, Contract No. Idm-E345, Ira L. Moseley	11.00 ✓	" "
			Total,	371.69	

Received _____, subject to collection. Forwarded February 3, 1954

(Disbursing clerk or accountable officer)

By _____ (Name)

By _____

Naomi B. Stokes
Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

U. S. GOVERNMENT PRINTING OFFICE 10—1790

For Schedule of Collections No. DMA-C-80, dated January 13, 1954, giving royalty repayment of $37.03, see E-345.

REPORT
OF REVIEW

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Ellihill Mining Company
White Canyon, Utah

pertaining to Exploration Project Contract No. Idm-E397, Docket No. DMEA 1957, and including Amendments No. 1, 2, 3, 4 and 5, for the months of January to October, 1953, covering a project of exploration for Uranium, located in San Juan County, Utah, commonly known as Jomac Mine.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the Field Team in charge of the project, and a determination of the reasonableness and propriety of the costs.

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

All of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$18,973.11
Exceptions:		
By DMEA Finance Officer	-0-	
Herewith	-0-	
Total Accepted Cost		$18,973.11

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Seventeen Thousand Seventy-Five and 80/100ths Dollars

- $17,075.80 -

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Date: February 19, 1954.

B. J. Brekhus, Auditor

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

224 New Customhouse
Denver 2, Colorado

March 18, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket No. 1957X (Uranium), Contract No. Idm-E397, Ellihill Mining Company, San Juan County, Utah. Operator's Monthly Progress Report for the month of October 1953 - FINAL PAYMENT

Reference is made to our memorandum of December 15, 1953 whereby we transmitted the final Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the month of October 1953 and instructed you to withhold the amount of $250.00 from reimbursement to the Operator pending receipt of the Operator's final report and release of a Report of Review of contract expenditures by the Contract Administration and Audit Division.

We now recommend that final payment to the Operator be made in conformance with the Report of Review by the Contract Administration and Audit Division dated February 19, 1954, which was released to this office March 16, 1954, on the following basis:

Basis for final payment

Total accepted cost	$18,973.11
Government participation at 90%	17,075.80
Total prior payments	16,825.82
Balance due Operator	$249.98

W. H. King

249.98

JWT:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
SRWilson
Chron.
JWTownsend

3/24/54 Dmpa 54-93

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

224 New Customhouse
Denver 2, Colorado

March 25, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket No. 1957X (Uranium), Contract No. Idm-E397, Ellihill Mining Company, San Juan County, Utah.

Enclosed are two copies of a memorandum to Mr. T. A. Christensen dated March 18, 1954, relative to final payment under the terms of the subject contract.

Final payment to the Operator in the amount of $249.98 has now been made in conformance with the Report of Review by the Contract Administration and Audit Division dated February 19, 1954.

John F. Shaw
For W. H. King

Enclosures

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90 % Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	None	13,903.11	13,903.11			
Bulldozing						
Crosscutting						
Drifting	1673.10	3,396.90	5,070.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1673.10	17,300.01	18,973.11	1673.10	17,300.01	18,973.11

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

Date 11/10/53 *Payee Ellihill Mining Company

Per J. B. Glosser Title President

*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:

$1255.79

Signature RRC
(Authorized Certifying Officer)

Date 12-15-53 Vou. No. DMA-54-58

(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-E397 in accordance with the terms of the contract.

Signature W. K. Thurber, Jr. ARW Title Mining Eng Date Nov. 13, 1953

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

Signature W H Kung Title Executive Officer Date DEC 15 1953

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV - 7 1954

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

Month of October 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	1673.10	66	5,070.00	200	25.35	200	25.35
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	None	None	13,903.11	2983.5	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1673.10		18,973.11				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1673.10		18,973.11				19,050.00

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 11/10/53 Operator Ellihill Mining Company

Per J. B. Plosser Title President
J. B. Plosser

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 83-38475

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

Administrative Audit Difference Statement

JAN - 7 1954

Date: Dec. 15, 1953
Payee's
Reference: Progress Report
October, 1953

[illegible] Mining Company
White Canyon, Utah
I-[illegible]-397, October, 1953

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

90% Amount Claimed $ 1505.79

Difference $ 250.00

Amount Approved $ 1255.79

The reason for the difference was due to:

$250.00 is withheld pending receipt of the Operator's Final Report and release of final Audit Report by the Contract Administration & Audit Division.

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

Very sincerely yours,

For RRC
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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
JAN 8 1954

224 New Customhouse
Denver 2, Colorado

December 15, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket No. 1957 (Uranium), Contract Idm-E397, Ellihill Mining Company, San Juan County, Utah. Operator's Monthly Progress Report for the period October 1953.

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.

An amount of $250.00 is to be withheld from the total amount due the Operator pending receipt of the Operator's final report and release of the final Audit Report by the Contract Administration and Audit Division.

It is requested that a statement as to the reason why the above amount was withheld be included on the Administrative Audit Difference Statement Sheet.

A telegram has been received from J. B. Plosser, President of Ellihill Mining Company, relative to the fact that smelters have been advised to deduct royalty due the Government from payments due on all ore shipped from the Jomac mine in White Canyon, San Juan County, Utah until Ellihill Mining Company's obligation to the Government has been satisfied.

Don't understand

Remarks:

Date of Report	November 10, 1953.
Date Received in Field Office	November 12, 1953.
Date Received in Region Office	November 20, 1953.

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary ;to the Oper. Comm. (2)
SRWilson
Chron.
JWTownsend

November 18, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket DMEA 1957 (Uranium), Contract Idm-8397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for October 1953.

Transmitted herewith are MF-104 forms covering work under the subject contract during October 1953. H. K. Thurber, Jr., inspected the project November 6, 1953, and verified the reported advance by measurement.

A total of 66 feet of drifting was completed under the contract during the reporting period. This advance completes the 200 feet of drifting allowed under the contract and the attached MF-104 forms are the last set to be presented on the project.

At the end of the reporting period, $76.89 remained unexpended out of the total funds allotted for the project. This arises from the fact that 16.5 feet of diamond drill footage remained to be drilled when this phase was completed. The inspecting engineer's memorandum tabulates the expenditures under the contract.

The work reported was in conformance with the contract and it is recommended that the operator be reimbursed for 90 percent of the listed expenditures subject to the usual amount withheld pending the receipt of the operator's final report.

The MF-104 forms were received in this office November 12, 1953.

F. L. Widemann
F. L. Widemann for
S. R. Wilson

Encl.

S. R. Wilson

Nov. 17, 1953

H. K. Thurber, Jr.

Docket No. DMEA 1957 (Uranium), Contract Idm-E397, Rillihill Mining Co., San Juan County, Utah. Monthly progress report and NF-104 forms for September 1953

The subject property was inspected November 6, 1953, in company with Tex Cross, mining contractor. The advance was measured and samples of the drift driven recently under the contract were taken. One sample was taken in the face of the crosscut driven by the company. The assay results of the samples are not as yet reported.

The 66-foot advance during the month completes the 200 feet of drifting allowed under the contract, and thus the subject NF-104 forms are the last to be presented. The total of costs to date represents the total expenditures under the contract. The difference between this figure ($18,973.11), and the total costs authorized by the contract ($19,050.00), arises from the fact that 16.5 feet of diamond drill footage remained to be drilled. A summary of the contract expenditures follows:

Item	Authorized by Contract: Units	Authorized by Contract: Total Amt.	Units Completed	Expenditures	Money unexpended
Diamond core drilling	3,000 ft.	$13,980.00	2983.5	$13,903.11	$76.89
Drifting	200 ft.	$ 5,070.00	200	$ 5,070.00	0.00
		$19,050.00		$18,973.11	$76.89.

The advance during the month was made mainly through the siltstone encountered during the previous month's work. Observation of the walls of the drift shows that the siltstone thickened as the drift advanced until it occupied nearly the full drift face. At the end of the contract work, the lens had thinned, exposing about 1.5' of coarse, iron-stained sandstone, with scattered carbonaceous material, some pieces of which were 1 foot long and 1 inch thick. The pieces exhibited some radioactivity. Sufficient thickness existed to warrant sampling, and a 1.6-foot cut sample was taken. The assay results are not as yet available.

The narrative report and map are sufficient in reporting the work under the contract for the reporting period and the NF-104 forms correctly reflect the allowable expenditures. The letter of transmittal indicates that the reports are for September, but the remainder of the material shows the proper October period.

The work was in conformance with the contract and amendments thereto. Therefore, it is recommended that the operator be reimbursed for that part of 90 percent of $1,673.10, the total expenditures under the contract, which can be paid pending the receipt of the operator's final report.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

DEPARTMENT OF THE INTERIOR
Bureau of Mines Information
OCT 8 1954

[illegible]

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-397 during the month of October, 1953.

Drifting in the No. 2 Tunnel of the Jomac Mine proceeded a distance of 66 feet during the month.

The siltstone bed encountered in the previous month's drifting, as related in the Narrative Report for the month of September, continued rising until it occupied the full face of the tunnel, then began gradually to recede. At the end of the period it was approximately five feet from the floor.

Very little radioactivity registered on the Geiger Counter in this siltstone.

Assays of samples taken accompany this report.

Underground Workings
of the
Jamie Mine, San Juan County, Utah

— Original Workings as indicated in former reports
---- Detailed work on Cardinal
Scale: 1 in = 40 ft.

[illegible] ASSAY REPORT

No. 1	0.34 [illegible]	53" to floor, 31' from starting point of contract
No. 2	0.40 [illegible]	53" to floor, 44' from starting point of contract
No. 3	0.021%	53" to floor, 53[illegible]' from starting point of contract
No. 4	0.024[illegible]	53" to floor, 64[illegible]' from starting point of contract
No. 5	0.070[illegible]	43" to floor, 73' from starting point of contract

The above chemical assays were made in the laboratory of the Vanadium Corporation of America's Mill at White Canyon, Utah.

Leroy Parker

Leroy Parker, Superintendent

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

U. S. Bureau of Mines
RECEIVED
OCT 13 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 1957 Contract No. [illegible]97
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90% Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Expense~~ Short Form Contracts:						
Drilling	None	13,903.11	13,903.11			
Bulldozing						
Crosscutting						
Drifting	1825.20	1,571.70	3,396.90			
(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	1825.20	15,474.81	17,300.01	1825.20	15,474.81	17,300.01

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

Date 10/7/53 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$1642.68

Signature [illegible]
(Authorized Certifying Officer)

Date 10/26/53 Vou. No. 54-42

(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-E391 in accordance with the terms of the contract.

Signature W. K. Thurber, Jr. Title Mining Eng Date Oct. 15, 1953

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

Signature John F. Shea for W. H. Kerr Title Executive Officer Date OCT 22 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	1825.20	72	3,396.90	134	25.35	200	25.35
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	None	None	13,903.11	2983.5	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1825.20		17,300.01				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1825.20		17,300.01				19,050.00

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 10/7/53 Operator Ellihill Mining Company

Per J. R. Plosser Title President
J. R. Plosser

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 83-38475

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

224 New Customhouse
Denver 2, Colorado

October 22, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Company, San Juan County, Utah. Operator's Monthly Progress Report for the period September 1953.

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	October 7, 1953.
Date Received in Field Office	October 13, 1953.
Date Received in Region Office	October 22, 1953.

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
SRWilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

October 20, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 1957 (Uranium), Contract Idm-8397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for September 1953

Transmitted herewith are MF-104 forms covering work under the subject contract during September 1953. W. K. Thurber inspected the project October 10, 1953, and verified the reported lateral advance by measurement.

A total of 72 feet of drifting was completed under the contract during the reporting period. Little uranium mineralization was exposed by the drifting. Difficult driving conditions were encountered during the latter part of the period as a result of the thickening of a bed of siltstone in the drift.

Work reported is in conformance with the contract, and it is recommended that the operator be reimbursed by 90 percent of the listed expenditures.

The MF-104 forms were received in this office October 13, 1953. The total delay in transmitting the forms to Denver resulted from the heavy work load of the inspecting engineer.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

October 19, 1953

S. R. Wilson

H. K. Thurber, Jr.

Docket No. DMEA 1957 (Uranium), Contract Idm-8397, Ellihill Mining Co., San Juan County, Utah. Monthly progress report for September, 1953

The subject property was inspected on October 10, 1953, in company with Tex Cross, the mining contractor. The advance was measured and one sample was taken in a newly begun crosscut. The assay results of this sample are not as yet available.

The advance during the reporting period was made in ground showing little uranium mineralization. Some carbonaceous material was encountered in the coarse, iron-stained sandstone, and a 0.3- to 0.5-foot bed of fossil tree material, believed to be above 0.30 percent U_3O_8, was observed at the back of the drift at the face.

The advance was slowed by the thickening of the gray-green siltstone usually carried as the bottom of the drift. At the time of the inspection, the clay represented over 3 feet of the drift face. The material was difficult to drill and broke very erratically.

The advance during the reporting period was found by measurement to be 72 feet, making a total of 134 feet driven since the start of underground work. Sixty-six feet remains to be driven under terms of the contract.

The work during the reporting period was done in a workmanlike manner and was in conformance with the contract. The MF-104 forms correctly reflect the charges allowable under the contract, and the narrative report sufficiently describes the results of the work. It is therefore recommended that the operator be reimbursed in the amount of $1,642.68, which is 90 percent of $1,825.20, the expenditures under the contract for the reporting period.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

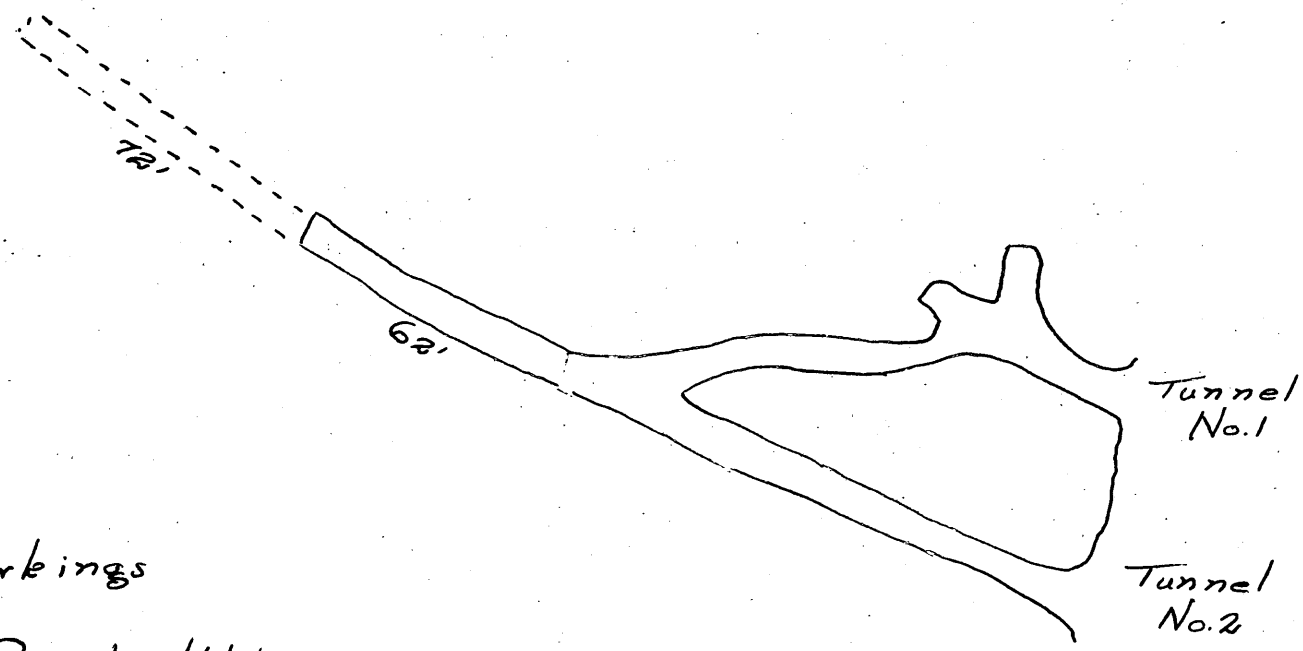
NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of September, 1953.

Exploration in the No. 2 drift during the month of September proceeded a distance of seventy-two feet in the same general direction as followed previously.

In this distance no ore body of any size was encountered; however, scattered, small concentrations of carbonaceous material with a high degree of radioactivity began to appear along the walls of the drift.

At approximately sixty-two feet a layer of siltstone and sandy siltstone began rising from the floor. On the face at seventy-two feet it had reached a height of thirty-nine inches and appeared to be still rising.



Underground Workings
of the
Jomac Mine, San Juan County, Utah

—— Original Workings and included in former Reports
--- September Work under Contract

Scale: 1 in. = 40 ft.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

U. S. Bureau of Mines
Budget Bureau No. 46-R036.3.
Approval expires 6-30-53.

RECEIVED
SEP 15 1953
Salt Lake City, Utah

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $ 19,050.00 Government Participation: 90% Amount, $ 17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors: Short Form						
Drilling		13,903.11	13,903.11			
Bulldozing						
Crosscutting						
Drifting	532.35	1,039.35	1,571.70			
(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	532.35	14,942.46	15,474.81	532.35	14,942.46	15,474.81

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

Date 9/12/53 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$ 479.12

Signature
(Authorized Certifying Officer)

Date 10/5/53 Vou. No. DMA 54-35

(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. Ldm-E397 in accordance with the terms of the contract.

Signature W. K. Thurber, Jr. Title Mining Eng Date Sept 24, 1953

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

Signature W. H. King Title Executive Officer Date SEP 30 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
OCT - 8 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	532.35	21	1,571.70	62	25.35	200	25.35
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	None	None	13,903.11	2983.5	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		532.35		15,474.81				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		532.35		15,474.81				19,050.00

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 9/12/53 Operator Ellihill Mining Company

Per J. R. Plosser Title President

J. R. Plosser

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 83-38475

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

RECEIVED

224 New Customhouse
Denver 2, Colorado

September 30, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Company, San Juan County, Utah. Operator's Monthly Progress Report for the period August 1953.

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	September 15, 1953.
Date Received in Field Office	September 15, 1953.
Date Received in Region Office	September 30, 1953.

Delay in Field Office (8 days) due to work load of inspecting engineer.

W. H. King
W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
SRWilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

September 28, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 1957 (Uranium), Contract Ida-E397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for August 1953

Transmitted herewith are the required accounting forms pertaining to expenditures under the subject contract during August 1953. The work was inspected by H. K. Thurber September 12, 1953.

The operator reports an advance of 21 feet of drifting during the reporting period. The inspecting engineer verified the advance by measurement. The work is in conformance with the contract.

Ore is being mined as the drift is completed. The ores are stockpiled on the surface, but to date none has been shipped to processing mills. The operator indicates that he will soon begin shipments to the mill at Monticello, Utah.

It is recommended that the contractor be reimbursed by 90 percent of the expenditures listed in the MF-104 forms. The operator's report was received in this office September 15, 1953. The total delay of 8 days in transmitting the forms to Denver resulted from the work load of the inspecting engineer.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

Atomic Energy Commission
RECEIVED
OCT 1953

S. R. Wilson

Sept. 28, 1953

N. K. Thurber, Jr.

Docket No. DMEA 1957 (Uranium), Contract 14m-2397, Ellihill Mining Co., San Juan County, Utah. Monthly progress report for August 1953.

The subject property was inspected on September 12, 1953, and the operator was contacted the same day at White Canyon, Utah, to discuss the progress of the contract work at the Jemac mine. The advance claimed by the operator during the reporting period was measured and found to be correct. Two samples were taken, as indicated on the attached sketch map.

Drift No. 2 penetrated the mineralized area through which it has been driven since the start of underground work under the contract. The coarse sandstone persists, but the carbonaceous material is gone in the face and the Geiger counter shows very little mineralization in any area of the face. It is believed, however, that more mineralization will be encountered as the drift is advanced into the area of the diamond drill holes.

Check samples have been taken, and the results are tabulated below:

Date 1953	Sample No. Old	Sample No. New	Percent U_3O_8	Percent $CaCO_3$	Location
July 7	1	1	0.27	2.5	1.2' cut, Adit No. 2
July 7	2	2	0.04	5.0	2.1' cut of l.h. off face, Adit No. 2
Aug. 20	1	3	0.08	4.1	R.h. wall off No. 2, 2.0' cut, above
Aug. 20	2	4	0.03	3.9	3.0' cut of face off No. 2
Sept. 13	3	5	0.47	5.4	3.2' cut in face off No. 1
Sept. 13	4	6	0.58	5.0	1.5' cut in face, Crosscut off No. 2

The varying values of the above-tabulated samples indicate the sporadic nature of the ore exposed in the workings. In spite of this, it is believed that commercial production can be achieved from this area by careful mining.

The relatively small advance recorded for the month is attributable to mechanical difficulties and sickness of the crew. New equipment has been purchased and the remainder of the contract work will, it is hoped, proceed without a break.

Ore has been mined during the exploratory work, but none has been shipped. The ore is stockpiled on the surface in an area easily accessible to trucks, and the operator indicated that he would shortly begin shipping to the mill at Monticello, Utah. He has been informed of the royalty repayment procedure.

The operator's progress report and map are sufficient in reporting the advance and conditions encountered during the reporting period. The MF-164 forms correctly reflect the expenditures reimbursable under the contract. It is recommended that the operator be reimbursed in the amount of $479.12, which is 90 percent of $532.35, the total expenditures under the contract.

H. K. Thurber, Jr.
H. K. Thurber, Jr.
JRW.

RECEIVED

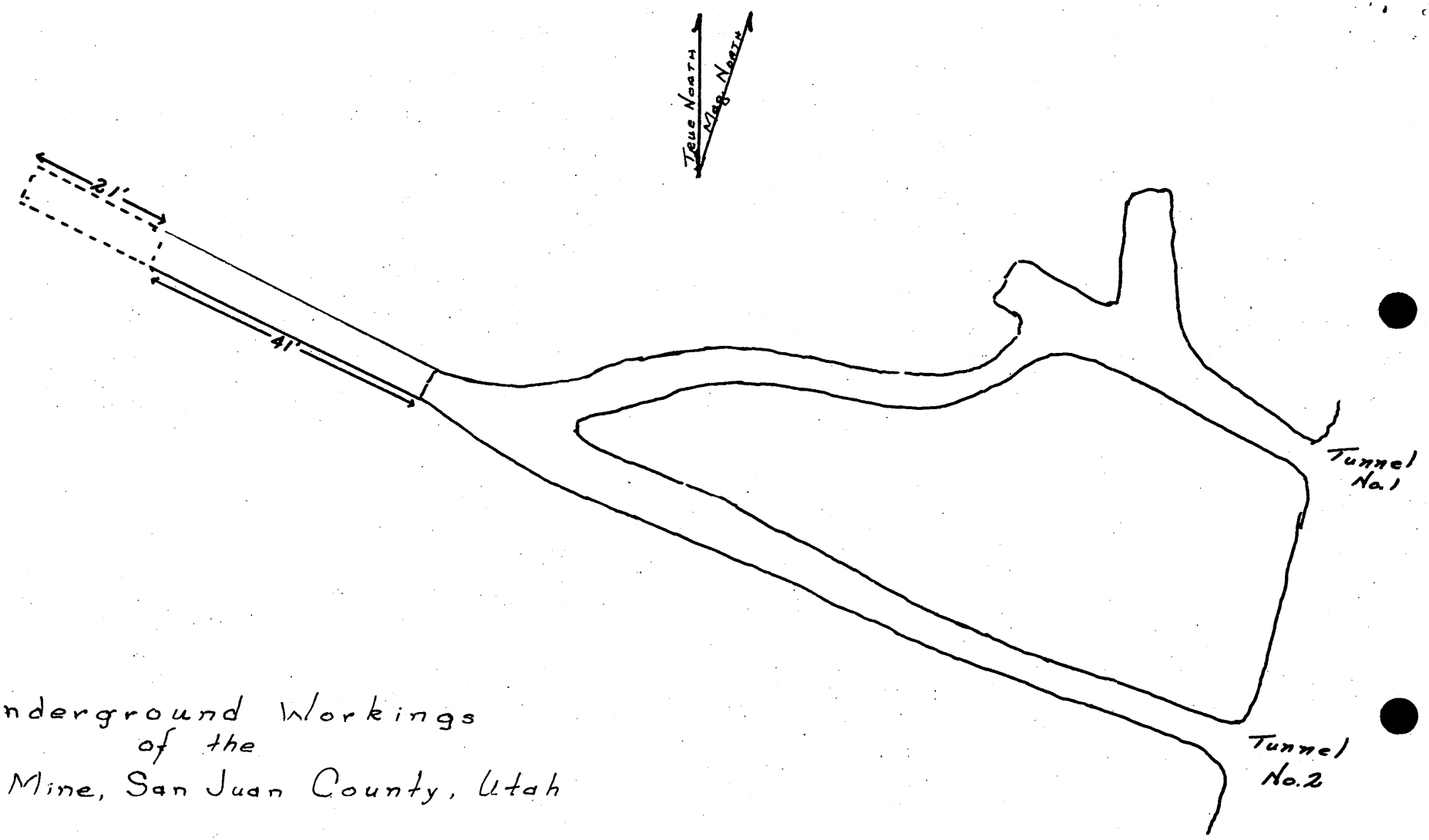
NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of August, 1953.

Work of extending the No. 2 drift was carried on intermittantly during the month of August. Progress was hampered by equipment failures and by illness among the mining crew. A total of 21 feet of drifting was accomplished during this period, as shown on the accompanying sketch.

A larger compressor and heavier jack hammer have been purchased by the operators, and there should be no delays resulting from equipment failure in the future.

No difficulties of a geological nature have been encountered. Use of the Geiger counter indicates that at this point the tunnel face is very low grade, although ore of good quality appears along the north wall. However, returns from samples taken for assay are not yet in. They will be included in next month's report.



Underground Workings
of the
Jomac Mine, San Juan County, Utah

—— Original Workings and included in July report
- - - - - August work under contract

Form MF[illegible] (Rev.) (Apr[illegible]2)

Budget Bureau No. 42-R1036.3. Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 28 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90% Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling		13,903.11	13,903.11			
Bulldozing						
Crosscutting						
Drifting	1039.35		1039.35			
(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	1039.35	13,903.11	14,942.46	1039.35	13,903.11	14,942.46

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

Date 8/4/53 *Payee Ellihill Mining Company

Per J. P. Glosser Title President

*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:

$935.42

Signature Naomi E. Stokes
(Authorized Certifying Officer)

Date 9-18-53 Vou. No. DMA 54-30

(See other side)

Corrected 9/8/53

(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. Dm-E397 in accordance with the terms of the contract.

Signature W. L. Thurber Jr. Title Mining Eng Date Sept. 14, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date SEP 17 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 28 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	1039.35	41	1039.35	41	25.35	200	25.35
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	None	None	13,903.11	2983.5	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1039.35		14,942.46				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1039.35		14,942.46				19,050.00

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.

Corrected 9/8/53

Date 8/4/53 Operator Ellihill Mining Company

Per J. B. Plosser Title President
J. B. Plosser

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 83-38475

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 28 1953

224 New Customhouse
Denver 2, Colorado

September 17, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Co., San Juan County, Utah. Operator's Monthly Progress Report for the period July 1953.

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	August 4, 1953.
Date Received in Field Office (Originally)	August 10, 1953.
Date Revised Forms Received in Field Office	September 10, 1953.
Date Received in Region Office	September 16, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
SKWilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

September 14, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 1957 (Uranium), Contract Ida-E397, Killihill Mining Co., San Juan County, Utah. MF-104 forms for July 1953

Transmitted herewith are the requested copies of MF-104 forms and supporting information pertaining to work accomplished under the subject contract during July 1953. An inspection of the property was made August 20, 1953, by H. K. Thurber.

Drifting under the contract was started during the reporting period and a total of 41 feet of advance made. The drift was driven through iron-stained sandstone containing uranium in carbonaceous material. The operator's map attached to the MF-104 forms indicates that ore has been penetrated over the length of the drift. Analyses of samples taken by the inspecting engineer have not yet been completed.

All work reported is in conformance with the contract. It is recommended that the operator be reimbursed in the manner shown in the inspecting engineer's report. The MF-104 forms were originally received in this office August 10, 1953. A delay of 10 days in transmitting the forms to Denver resulted from the necessity of having to return the forms to the operator for correction. The remaining delay was caused by the work load of the inspecting engineer. The corrected forms were returned to this office September 10, 1953.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

S. R. Wilson September 1, 1953

H. K. Thurber, Jr.

DMEA Docket 1957 (Uranium), Contract Idm-E397. MF-104 forms and monthly progress report for July 1953. Ellihill Mining Co., San San Juan County, Utah.

An inspection of the subject property was made on August 20, 1953, in company with Tex Crews, the mine foreman for the operator. The advance was measured and found to check the 41-foot advance claimed by the operator. Two samples were taken in the DMEA drift, but the assaying is not completed.

The drift was advanced through coarse, iron-stained sandstone containing some carbonaceous material in small lenses and irregular stringers parallel to the sandstone bedding. The ill-defined structure observed in some of this material indicates that it is fossil tree sections. The body of the sandstone is mineralized over varying thicknesses along the drift, but is definitely higher grade near the Shinarump-Moenkopi contact. While no channelling is evident, the material encountered in the drift, the character of the ore, and the sandstone leads to the belief that such a structure exists.

The samples shown on the map attached to the MF-104 forms and on the assay report indicate that ore has been penetrated over the length of the drift. Radiometric observations during the examination confirm this. Assays of samples taken by the inspecting engineer will be included in the next monthly report.

The ore being encountered is stockpiled on the surface for future shipment. No ore has been shipped during the life of the contract.

The work during the reporting period was done in a workmanlike manner and was in conformance with the contract. It is recommended that the operator be reimbursed for 41 feet of advance in the amount of $935.42 which is 90 percent of $1,039.35, the total expenditure under the contract for the reporting period.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

RECEIVED

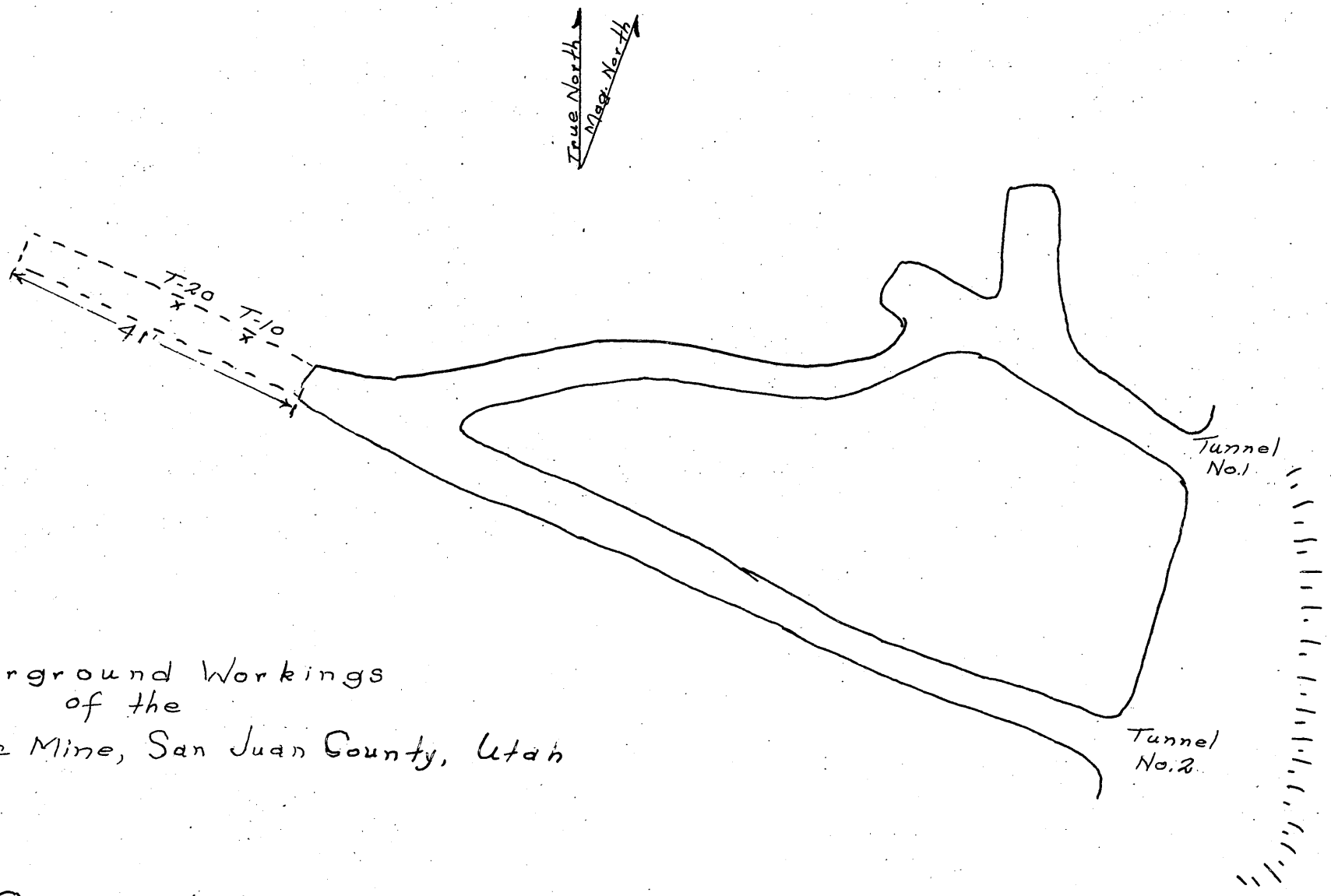
NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of July, 1953.

Drifting on the ore exposed on the face of Tunnel No. 2 was begun on July 6 and continued to a distance of 41 feet during the remainder of the month (see attached sketch). Except for some delays caused by equipment failures, no major difficulties were encountered,

Constant use of the Geiger counter shows ore of varying thickness and grade throughout the entire 41 feet of drift. Samples for chemical assay are being taken at 10 foot intervals. Returns from the first two such samples accompany this report.

Also included in this report are returns from chemical assays run on the last five diamond drill holes. Number of the sample corresponds to the drill hole number, as shown on the sketch accompanying our report for the month of June.



Underground Workings
of the
Jomac Mine, San Juan County, Utah

— Original Workings
- - - Work done under Contract
x Location of sample taken for chemical assay

Vanadium Corporation of America

White Canyon, Utah
INTER-OFFICE COMMUNICATION

DATE August 4, 1953

TO Ellihill Mining Company

FROM

SUBJECT U3O8 Assay Report

Core Samples

Sample	% U3O8	
# 27	0.05	30 inches of bottom sandstone
# 28	0.035	28 " " " "
# 29	0.065	28 " " " " & siltstone
# 30	0.05	27 " " " " "
# 31	0.01	36 " " " "

Tunnel Samples

T-10	0.41	Tunnel 2 - 5 ft. to floor, 10 ft. back of starting point, north side
T-20	0.255	Tunnel 2 - 38 in. to floor, 20 ft. back of starting point.

Leroy Parker

Leroy Parker, Superintendent

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90 % Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	5897.62	8005.49	13,903.11			
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	5897.62	8005.49	13,903.11	5897.62	8005.49	13,903.11

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

Date 7/6/53 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$5307.86

Signature
(Authorized Certifying Officer)

Date 8/10/53 Vou. No. DMA 54-13

(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-E397 in accordance with the terms of the contract.

Signature H. K. Thurber, Jr. Title Mining Eng. Date July 16, 1953

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

Signature W. H. King Title Executive Officer Date JUL 30 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	5897.62	1265'7"	13,903.11	2933'6"	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5897.62		13,903.11				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5897.62		13,903.11				19,050.00

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 7/6/53 Operator Ellihill Mining Company

Per J. B. Plosser Title President
J. B. Plosser

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 83-38475

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

224 New Customhouse
Denver 2, Colorado

July 30, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Elihill Mining Company, San Juan County, Utah. Operator's Monthly Progress Report for the period June 1953.

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	July 6, 1953.
Date Received in Field Office	July 13, 1953.
Date Received in Region Office	July 22, 1953.
Date Processed for Payment	July 27, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
SRWilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

July 20, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for June 1953

Transmitted herewith are MF-104 forms pertaining to work under the subject project during June 1953. The first part of the contract work, diamond drilling, was completed during the reporting period and preparations were made to begin the underground work allowed by contract. The property was inspected by H. K. Thurber July 8, 1953.

During the month a total of 1,265.6 feet of drilling was accomplished in 14 holes. Assay results of samples from the mineralized sections of the holes are not yet available. Ore-grade mineralization has been found in at least three holes in the area of proposed drifting. Assay results received to date are insufficient to reliably estimate reserves. Appraisal of reserves will be made as soon as all data are transmitted.

Work reported on the MF-104 forms for June 1953 is in conformance with contract terms. Recommendation is made that the operator be reimbursed by 90 percent of the reported expenditures as listed in the engineer's progress report. An error of a few cents in the totals shown on the MF-104 form is the result of conversion of inches to equivalent feet.

The MF-104 forms were received from the operator July 13, 1953.

Stephen R. Wilson
Stephen R. Wilson

Enclosures 2

S. R. Wilson July 20, 1953

H. K. Thurber, Jr.

DMEA-1957, Contract Idm-8397, Ellihill Mining Co., White Canyon, San Juan County, Utah. Monthly progress report and MF-104 forms

The subject property was inspected July 8, 1953, in the company of Joe Flonzer, operator. The hole sites were observed and core from recent holes examined.

The drilling under the contract was completed on June 26, and the drilling contractor removed his equipment from the site on the following day. During the reporting period, 1,265.6 feet of hole was drilled, making a total of 2,983.5 feet for the project. The total allowable under the contract is 3,000 feet.

Work under the contract was started underground after the close of the reporting period, but only slabbing rounds to widen and straighten the drift, not chargeable to the contract, were broken by the date of the inspection. A point of origin of progress measurements in the No. 2 drift was agreed upon by the operator and the DMEA representative. Reference is made to other correspondence regarding the drifting.

Assays included with the drill logs for the reporting period show only one sample of minable grade. The remainder of the samples is from consistently low uranium mineralization. A complete record of assays is not available in this office. When such a record is available, and recently made maps are obtained from R. P. Fischer's office, a certification of discovery can be recommended.

The narrative report and map attached to the MF-104 forms are sufficient in describing the work performed and results obtained. The MF-104 forms correctly reflect the footage drilled during the reporting period, as shown on the certified drill logs, and correctly show the expenditures allowed under the contract. The drilling, sampling and handling of the core was done in an efficient manner. It is recommended that the operator be reimbursed in the amount of $5,307.93, which is 90 percent of $5,897.70, the total expenditure allowed under the contract.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of June, 1953.

During the month of June, 1953, the drilling phase of the exploration under Contract No. Idm-E397 was completed.

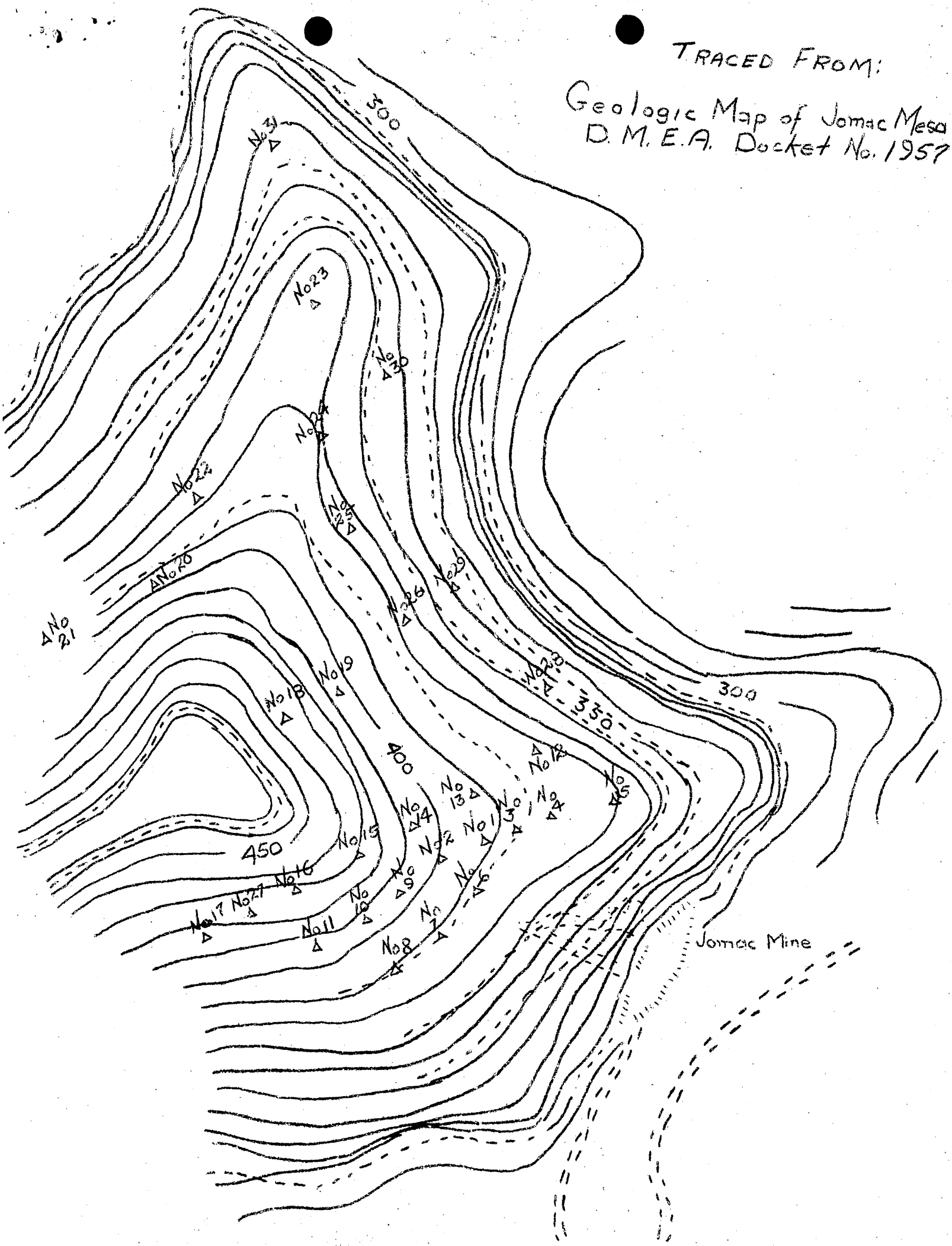
In consultation with the Geological Survey men Trites and Hadd, the remaining drill sites were spotted and holes 18 through 31 were drilled at locations as shown on the accompanying sketch.

It will be noted that the attached drill log does not give the radioactivity of the core from these holes. During this period, radioactivity in the air has been so excessive that it has been impossible to accurately assess increases that are only slightly above background count. However, assay returns from samples taken from holes 13 through 26 accompany this report. Returns from samples from the remaining holes are not yet in, but will be included in July's report.

The last few days of the month of June were spent in securing miners and supplies, in preparation for the drifting phase of the exploration project.

TRACED FROM:

Geologic Map of Jomac Mesa
D.M.E.A. Docket No. 1957



DRILL LOG - Hole No. 18

Footage	Description
0' - 105'	Interbedded siltstone, sandy siltstone, argillaceous sandstone and fine grained, broken sandstone
105' - 115'	Fine to medium grained brownish sandstone with clay pebbles, followed by sandy siltstone and clay pebble conglomerate
115' - 129'8"	Clay pebble conglomerate, followed by variegated siltstone
129'8" - 139'8"	Variegated siltstone merging into argillaceous, purplish sandstone
139'8" - 149'8"	Gray, sandy siltstone, followed by fine to medium grained sandstone with small amount of carbon, then siltstone
149'8" - 159'11"	Mottled, sandy siltstone, soft siltstone conglomerate, Moenkopi

DRILL LOG - Hole No. 19

0' - 23'	Sandy siltstone
23' - 39'	Fine grained, buff sandstone, some iron stain, clay pebbles, carbon, quite broken
39' - 49'	Red, purple and blue siltstone, followed by broken, dark buff sandstone with many clay pebbles
49' - 67'8"	Same sandstone, changing to clay pebble conglomerate and then variegated siltstone
67'8" - 77'8"	Variegated siltstone
77'8" - 89'8"	Variegated, purplish sandstone with interbedded siltstone
89'8" - 97'2"	Dark gray siltstone, fine grained white sandstone with carbon and siltstone streaks and some jarosite, then very hard, white to yellow sandstone with clay inclusions, changing abruptly to siltstone
97'2" - 105'10"	Shaley red and blue siltstone
105'10" - 115'[illegible]"	Moenkopi

DRILL LOG - Hole No. 20

0' - 22'	Interbedded sandy siltstone and fine grained sandstone
22' - 31'2"	Siltstone
31'2" - 38'	Siltstone, medium grained, buff sandstone with clay pebbles
38' - 52'	Medium to coarse grained conglomeratic sandstone
52' - 67'6"	Variegated siltstone
67'6" - 80'2"	Same
80'2" - 89'2"	Purple and grayish-yellow, fine grained sandstone with clay streaks
89'2" - 94'1"	About 6 inches fine grained sandstone, followed by gray and purple siltstone
94'1" - 104'1"	Same - Moenkopi at bottom

DRILL LOG - Hole No. 21

0' - 53'3"	Interbedded argillaceous sandstone and fine grained, iron stained, broken sandstone
53'3" - 64'4"	Argillaceous sandstone and sandy siltstone - buff sandstone last 3 inches
64'4" - 73'2"	Medium grained, brownish-buff sandstone with many clay & iron inclusions, followed by clay pebble conglomerate
73'2" - 91'	Variegated siltstone
91' - 94'4"	Very fine grained, white, purple & yellow stained sandstone

DRILL LOG - Hole No. 21, continued

Footage	Description
94'4" - 100'1"	Fine grained, buff sandstone with small bed of purple & yellow siltstone, fine grained, buff sandstone streaked with gray, medium grained freckled sandstone
100'1" - 107'11"	Variegated siltstone and Moenkopi

DRILL LOG - Hole No. 22

0'- 30'	Fine to medium grained, light buff sandstone, very broken, clay & iron pebbles and some iron stain
30' - 43'	Variegated siltstone
43' - 53'2"	Variegated, argillaceous sandstone and sandy siltstone
53'2" - 63'8"	Gray, argillaceous sandstone, followed by freckled, buff sandstone and very fine grained, buff sandstone, last 18" interbedded white sandstone & clay
63'8" - 73'	Brownish-purple, argillaceous sandstone
73' - 80'2"	Siltstone conglomerate followed by Moenkopi

DRILL LOG - Hole No. 23

0' - 30'	Pebbly, fine grained, light gray sandstone with layers of interbedded sandy siltstone, followed by buff sandstone with small clay inclusions, iron stained in fractures
30' - 45'2"	Variegated siltstone
45'2" - 55'2"	Broken, fine grained, light buff sandstone - some brown freckling and clay streaks
55'2" - 65'2"	Same, but more solid, becoming slightly coarser grained, fewer clay streaks
65'2" - 71'10"	Medium grained, freckled sandstone, becoming coarse grained and iron stained at bottom - about 7½" siltstone showing traces of carbon and green stain
71'10" - 82'	Approximately 8½" green stained siltstone followed by Moenkopi

DRILL LOG - Hole No. 24

0' - 30'	Fine to medium grained buff sandstone with several small interbedded layers of blue siltstone - 5" blue siltstone at bottom
30' - 50'	Variegated siltstone
50' - 52'8"	Soft, fine grained, light buff sandstone
52'8" - 62'8"	Soft, fine grained, freckled buff sandstone
62'8" - 70'10"	Same, becoming coarser grained, with clay streaks and inclusions last 2 feet
70'10" - 76'2"	Coarse grained, dark, freckled sandstone, iron stained at bottom - small, soft siltstone lens at bottom
76'2" - 84'1"	12 inches of gray siltstone followed by Moenkopi - some green stain in siltstone

DRILL LOG - Hole No. 25

0' - 30'2"	Broken, fine to medium grained, grayish sandstone with interbedded layers of clay pebble conglomerate
30'2" - 48'2"	Variegated siltstone

DRILL LOG - Hole No. 25, continued

Footage	Description
48'2" - 53'2"	Fine grained, yellow sandstone - some gray streaks of clay
53'2" - 63'2"	Fine grained, white to light buff sandstone
63'2" - 66'3"	Same
66'3" - 69'8"	Freckled sandstone with streaks of micaceous clay, and lower, small clay inclusions
69'8" - 74'8"	Medium grained, freckled, white sandstone, becoming coarser toward bottom - small siltstone lens at bottom
74'8" - 81'6"	Siltstone and sandy siltstone containing some small flecks of carbonaceous material and some green stain, followed by about 3 feet 7 inches of Moenkopi

DRILL LOG - Hole No. 26

0' - 29'2"	Fine to medium grained, grayish sandstone, very broken
29'2" - 41'5"	Medium grained, grayish sandstone, followed by clay pebble conglomerate and variegated siltstone
41'5" - 56'2"	Variegated siltstone
56'2" - 65'8"	Rainbow hued, fine grained sandstone, very broken toward bottom, with some clay inclusions
65'8" - 75'8"	Fine grained, white & yellow sandstone with clay streaks and inclusions, followed by interbedded, argillaceous sandstone with interbedded siltstone and then somewhat coarser, freckled sandstone
75'8" - 83'6"	Freckled, medium to coarse grained sandstone, iron stained, followed by gray and then red siltstone
83'6" - 89'3"	Moenkopi

DRILL LOG - Hole No. 27

0' - 70'	Sandy siltstone and siltstone, with occasional thin lenses of sandstone
70' - 82'	Same
82' - 91'	Interbedded siltstone and fine grained sandstone
91' - 1o2'3"	Medium grained sandstone, merging into sedimentary conglomerate
102'3" - 125'	Variegated siltstone
125' - 132'8"	Fine grained, white sandstone with clay streaks and inclusions, followed by fine to medium grained, buff, broken sandstone
132'8" - 152'6"	Broken, coarse grained sandstone showing very minute amount of carbon, followed by about 3 feet of siltstone and then Moenkopi

DRILL LOG - Hole No. 28

0' - 39'	About 12 feet broken sandstone followed by siltstone
39' - 49'2"	Fine grained, white sandstone with clay inclusions, followed by somewhat coarser grained, lightly freckled sandstone, all very broken
49'2" - 58'1"	Fine grained white sandstone, followed by medium grained, freckled sandstone, coarse grained sandstone last 2 feet
58'1" - 67'2"	Very broken, coarse grained sandstone with some clay pebbles and very small inclusions of carbon, followed by siltstone and Moenkopi - Siltstone green stained top six to eight inches

DRILL LOG - Hole No. 29

Footage	Description
0' - 30'11"	Broken sandstone and variegated siltstone
30'11" - 40'11"	Fine to medium grained white sandstone, some clay streaks
40'11" - 50'1"	Fine to medium grained white and yellow sandstone, some clay streaks & inclusions at bottom, followed by soft, freckled sandstone
50'1" - 55'8"	Very broken, freckled sandstone, coarser grained, soft & sugary toward bottom
55'8" - 62'	Soft, coarse sandstone, followed by broken siltstone, iron and copper stain in fractures, and Moenkopi

DRILL LOG - Hole No. 30

0' - 20'	Overburden and variegated siltstone
20' - 30'8"	White, fine grained, micaceous sandstone, becoming slightly coarser and freckled toward bottom
30'8" - 35'8"	Micaceous, freckled buff sandstone, quite broken
35'8" - 45'8"	Fine to medium grained, buff sandstone with some thin stringers of trashy material, coarser at bottom and carrying small amount of carbon last two inches, followed by gray and buff siltstone and Moenkopi - Upper part of siltstone carries some carbon in fine particles

DRILL LOG - Hole No. 31

0' - 7'	Very hard, fine grained white sandstone, small clay inclusions toward bottom
7' - 13'	Same, becoming slightly freckled - very broken
13' - 23'8"	Medium grained, freckled sandstone with interbedded layers of fine grained, white sandstone streaked with gray - very broken
23'8" - 33'8"	Fairly coarse grained, freckled, broken sandstone, followed by about 12 inches of trashy siltstone and Moenkopi

Total footage for the month of June, 1953 - 1265 feet 7 inches

I hereby certify that the foregoing is a true and correct log of the total footage drilled during the month of June, 1953, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors
Forest H. Majors

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Shiloh Mining Co.
Willite County, Ut.
Mr. Phoney

Received
Jan. 12, 1953

SAMPLE DESCRIPTION	% U_3O_8	%	%	%
#13	0.112			
#14	0.011			
#15	0.050			
#16-1	0.017			
#16-2	0.050			
#17	0.023			
#18	0.024			
#19	0.024			
#20	0.022			
#21	0.022			
#22	0.028			
#23	0.023			
#24	0.022			
#25	0.027			
#26	0.025			

TOTAL CHARGES $ 45.00 Paid

J. Earl Smith
Chemist

ASSAY REPORT

Hole No. 13 - 1 sample,	43	inches in mineralized zone		0.172%
Hole No. 14 - 1 sample,	41	" " " "		0.061%
Hole No. 15 - 1 " ,	30	" bottom sand & siltstone		0.050%
Hole No. 16 - 2 samples				
#1	43	inches, siltstone		0.017%
#2	20	" , bottom sandstone		0.020%
Hole No. 17 - 1 sample,	28	inches, bottom sand & silt		0.023%
Hole No. 18 - 1 "	17	" " " "		0.026%
Hole No. 19 - 1 "	25	" " " "		0.024%
Hole No. 20 - 1 "	20	" " " "		0.022%
Hole No. 21 - 1 "	18	" " " "		0.022%
Hole No. 22 - 1 "	23	" " " "		0.028%
Hole No. 23 - 1 "	15	" " " "		0.023%
Hole No. 24 - 1 "	19	" " " "		0.022%
Hole No. 25 - 1 "	33	" " " "		0.027%
Hole No. 26 - 1 "	30	" " " "		0.025%

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

JUN 10 1953
Salt Lake City, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1953 Docket No. DMEA 1957 Contract No. Idm-7397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90% Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	1912.58	6092.95	8005.53	1912.54	6,092.95	8,005.49
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	1912.58	6092.95	8005.53	1912.54	6,092.95	8,005.49

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

Date 6/6/53 *Payee Ellihill Mining Company

Per M. D. Jordan Title Secretary
M. D. Jordan

*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:

$1721.29

Signature [illegible]
(Authorized Certifying Officer)

Date 6/30/53 Voucher No. 54-1

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. tdm-E397 in accordance with the terms of the contract.

Signature H. K. Thurber, Jr. Title Mining Eng. Date June 15, 1953

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

Signature W. H. King Title Executive Officer Date JUN 25 1953

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 MEL-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	1912.58	410'5"	8005.53	1717'11"	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1912.58		8005.53				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1912.58		8005.53				19,050.00

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 6/6/53 Operator Ellihill Mining Company

Per M. L. Jordan Title Secretary
M. L. Jordan

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 83-38475

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

Administrative Audit Difference Statement

Date: June 29, 1953
Payee's
Reference: Progress
Report - May, 1953

Ellihill Mining Co.
White, Canyon, Utah
I-DMA-E-397

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

Amount Claimed $1,912.58

Difference $ .04

Amount Approved $1,912.54

The reason for the difference was due to:

410 feet 5 inches of core drilling @ $4.66 per foot equals $1912.54 instead of $1912.58.

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

June 25, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Co., San Juan County, Utah - Operator's Monthly Progress Report, for the period May 1953.

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.

410' 5" at $4.66 per foot = 1912.54 instead of 1912.58 as stated on Form MF-104A. Therefore a disallowance of $.04 is to be made.

Remarks:

Date Of Report	June 6, 1953
Date Received in Field Office	June 10, 1953
Date Received in Region Office	June 17, 1953
Date Processed for Payment	June 24, 1953

W. H. King
W. H. King

Enclosures

RDB:fwo

cc Sec Oper Comm (2)
SRWilson
Contract
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

June 15, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for May 1953

Enclosed are the required copies of MF-104 forms pertaining to subject contract expenditures during May 1953. H. K. Thurber inspected the work June 3, 1953, and prepared the attached progress report.

Project work during the month consisted of diamond drilling. A total of 410.6 feet was drilled during the period. All work reported is in conformance with contract terms and recommendation is made that the operator be reimbursed by 90 percent of the expenditures listed in the MF-104 forms.

The MF-104 forms were received from the operator June 10, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosures 2

S. R. Wilson

June 15, 1953

H. K. Thurber, Jr.

DMEA-1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. Monthly progress report and MF-104 forms for May 1953

The subject property was inspected June 3, 1953, in company with Forrest Majors, the drilling subcontractor. George Hadd, one of the Geological Survey geologists assigned to the area, was contacted at his camp, and the geologic maps in preparation were discussed. Hadd indicates that a preliminary geologic report on the subject property is nearly complete and will be transmitted to R. P. Fischer's office in Grand Junction shortly.

The work on the project consisted only of diamond core drilling. A total of 410.6 feet was drilled during the reporting period. Conversation with the driller reveals that considerable difficulty was encountered due to the fractured nature of the shales and siltstones prevalent in the Chinle formation and the Shinarump formation. Very poor water return was realized in the holes, slowing the work by requiring excessive water hauling. The next proposed holes are to be drilled at a lower elevation, resulting in shorter holes; thus more footage is expected during the next reporting period.

The MF-104 forms correctly report the footage shown by the certified drill logs, and the narrative report is sufficient in detail. It is recommended that the operator be reimbursed in the amount of $1,721.32, which is 90 percent of $1,912.58, the total expenditures allowable under the contract.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of May, 1953.

Drilling operations for the month of May began on the 4th and continued through the 20th. On that date a spring on the water truck broke, and Mr. Majors left on the 21st for Salt Lake City for repairs, not returning until the end of the month.

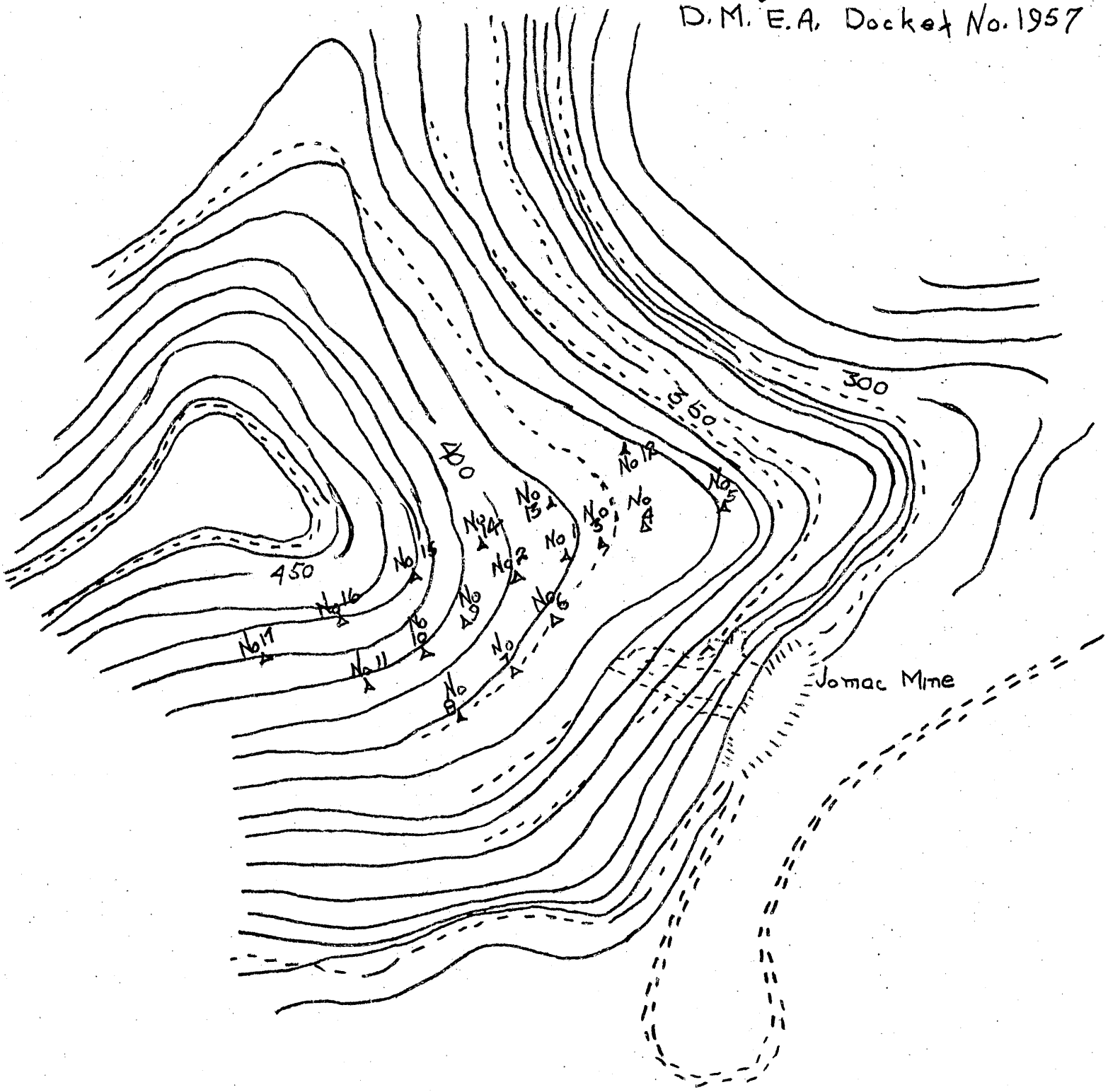
During the month of May Holes 15, 16 and 17 were completed. Locations are shown on the accompanying sketch. No unusual difficulty was encountered, though drilling was slow owing to the greater footage of clay and siltstone in these deeper holes, and complete water loss.

Al Trites and other representatives from the United States Geological Survey continued their work of mapping, logging core and correlating the information thus obtained with the expectation of being able to map the channel and probable ore boundaries.

Accompanying this report are assay returns for core samples from Holes 8, 9, 10, 11 and 12.

TRACED FROM:

Geologic Map of Jomac Mesa
D.M.E.A. Docket No. 1957



DRILL LOG - Hole No. 15

Footage	Description
0' - 14'	Small bed of argillaceous sandstone with leaf fossils followed by gray, fine grained sandstone streaked with yellow, with interbedded sandy clay, then sandy clay with leaf fossils
14' - 26'	Small bits of broken sandstone followed by sandy clay
26' - 39'	Very broken, yellow to brown, iron-stained, medium grained sandstone with flattish clay inclusions
39' - 46'6"	Medium grained, dark buff sandstone
46'6" - 55'8"	Gray clay with interbedded, soft, argillaceous sandstone
55'8" - 65'6"	Same, about 6" dark buff sandstone at bottom
65'6" - 75'6"	Coarse grained, buff sandstone with clay & iron inclusions
75'6" - 78'10"	Thin bed of fine grained, buff sandstone, followed by conglomerate of clay & iron pebbles
78'10" - 94'8"	Varicolored siltstone
94'8" - 99'6"	Argillaceous, purple sandstone, some yellow stain
99'6" - 103'8"	Argillaceous, fine grained sandstone, interbedded silt
103'8" - 104'11"	Dark gray siltstone
104'11" - 115'2"	Dark gray siltstone followed by 6" of fine grained, gray streaked sandstone & about 4" sandy siltstone - about 27" freckled, medium grained sandstone - about 29" coarse grained, red, yellow & brown flecked sandstone with some clay pebbles & very small amount of carbon - soft gray siltstone at bottom
115'2" - 122'8"	Sandy gray & red siltstone followed by gray siltstone, gray & red siltstone conglomerate & Loenkopi - small amount of carbon in gray siltstone & slightly radioactive

DRILL LOG - Hole No. 16

0' - 11'	Sandy clay - no core
11' - 22'6"	Nodule of pyrite & hematite at top of small layer of fine grained, ironstained sandstone, followed by sandy clay & sandstone
22'6" - 36'	Sandy clay with fossils of vegetable matter
36' - 46'	Micaceous sandy clay and argillaceous sandstone
46' - 56'	Broken sandstone with iron streaks & inclusions
56' - 61'2"	Medium grained, dark buff sandstone with interbedded layer of conglomerate, followed by sandy clay
61'2" - 72'8"	Sandy clay followed by soft, argillaceous sandstone
72'8" - 83'8"	Interbedded sandstone and clay
83'8" - 93'11"	Medium grained sandstone containing clay pebbles and small bits of carbon, with interbedded layers of sandy siltstone and conglomerate
93'11" - 108'8"	Varigated siltstone
108'8" - 115'	Purple, sandy siltstone merging into purple, argillaceous sandstone with interbedded siltstone
115' - 123'10"	Gray siltstone followed by gray, argillaceous sandstone streaked with carbon, and medium grained, freckled sandstone - about 5" coarse grained sandstone at bottom with small lens of carbonaceous material containing sulfides

DRILL LOG - Hole No. 16, continued

Footage	Description
123'10" - 129'	Coarse grained sandstone carrying very small amount of carbon - gypsum lens & soft siltstone at bottom
129' - 131'2"	Soft, gray siltstone
131'2" - 135'4"	Sandy red and gray siltstone followed by Moenkopi No appreciable radioactivity in core

DRILL LOG - Hole No. 17

0' - 20'	Sandy clay with leaf fossils
20' - 30'8"	Same
30'8" - 41'8"	Sandy clay with an occasional sandstone boulder
41'8" - 50'2"	Sandy clay with carbonaceous flecks & iron stain
50'2" - 53'6"	Sandy clay with thin lenses of fine grained sandstone
58'6" - 68'8"	Purplish & light gray, fine grained sandstone with interbedded layer of sandy clay
68'8" - 75'8"	Conglomeratic sandstone
75'8" - 94'4"	Black siltstone with iron stained cleavages, followed by gray, argillaceous sandstone with carbon flecks
94'4" - 104'1"	Medium grained, brownish sandstone, some carbon, followed by clay pebble conglomerate
104'1" - 121'2"	Varigated siltstone with a few inches of sandstone
121'2" - 132'	Medium grained buff sandstone
132' - 136'11"	Medium grained buff sandstone, finer grained at bottom
136'11" - 144'1"	Blue and reddish siltstone
144'1" - 147'10"	Blue and red mottled siltstone & siltstone conglomerate
147'10" - 152'5"	Moenkopi - No appreciable radioactivity in core

Total footage for the month of May, 1953 -- 410 feet 5 inches

I hereby certify that the foregoing is a true and correct log of the total footage drilled during the month of May, 1953, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors

Forest H. Majors

ASSAY REPORT

Hole No. 8 - 1 sample		
	17 inches in mineralized zone	0.02%
Hole No. 9 - 1 sample		
	14 inches in mineralized zone	0.04%
Hole No. 10 - 1 sample		
	10 inches in mineralized zone	0.35%
Hole No. 11 - 1 sample		
	22 inches in mineralized zone	0.01%
Hole No. 12 - 1 sample		
	50 inches in mineralized zone	0.06%

The above chemical assays were made in the laboratory of the Vanadium Corporation of America's mill at White Canyon, Utah.

Leroy Parker

Leroy Parker, Superintendent

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 1957 Contract No. Idm-E3[illegible]

Operator's Name Ellihill Mining Company Minerals Uranium

Address White Canyon, Utah

Contract Amount, $19,050.00 Government Participation: 90% Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	2819.88	3273.26	6093.14			
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	2819.88	3273.26	6093.14	2819.69	3273.26	6092.95

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

Date May 1, 1953 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

J. B. Plosser

*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:

$2537.72

Signature [illegible]
(Authorized Certifying Officer)

Date 5/19/53 Vou. No. DMA 53-187

(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. Edm-E 399 in accordance with the terms of the contract.

Signature W. K. Thurber, Jr. Title Mining Eng Date May 6, 1953

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

Signature W. H. King Title Executive Officer Date MAY 12 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	2819.88	605'1"	6093.14	1307'6"	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2819.88		6093.14				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2819.88		6093.14				19,050.00

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 May 1, 1953 Operator Ellihill Mining Company

Per J. B. Plosser Title President
J. B. Plosser

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 83-38475

Date May 18, 1953
Payee
Reference Progress Report

April, 1953

Ellihill Mining Company,
White Canyon, Utah
I-DMA-E397

Upon examination of the above Report, Reference a difference [illegible] which [illegible] the amount per account according to

Account Total $ 2819.88

Difference $ .19

Amount Approved $ 2819.69

[illegible]

Error in computation of amount for drilling:

605' 1" at $4.66 per foot equals $2819.69

[illegible]

Very sincerely yours,

M. L. Stetson
Acting Director

[illegible]

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

224 New Customhouse
Denver 2, Colorado

May 12, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract E397 (Uranium), Ellihill Mining Company, San Juan County, Utah - Operator's Monthly Progress Report, for the period April, 1953

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.

605' 1" at $4.66/ft. = $2819.69 instead of the $2819.88 as reported by the Operator, therefore a disallowance of $.19 is in order.

Remarks:

Date of Report----------May 1, 1953
Date Received in Field Office----------May 5, 1953
Date Received in Region Office----------May 8, 1953
Date Processed for Payment----------May 11, 1953

An amendment is being processed to extend the completion date of this contract.

W. H. King
W. H. King

Enclosures
RDB:es
cc: Contract
Chron.
Wilson
Sec. to the Oper. Comm. (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

May 6, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA 1957, Contract Idm-2397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for April 1953

Transmitted herewith are the required copies of MF-104 forms pertaining to work accomplished under the contract during April 1953. The property was inspected by H. K. Thurber April 30, 1953. Copies of his progress report are attached.

Work during the month consisted of 605 feet of diamond drilling. All work is in conformance with the contract terms. It is recommended that the operator be reimbursed in the manner shown in the inspecting engineer's report.

The MF-104 forms were received in this office May 5, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosures 2

S. R. Wilson May 6, 1953

H. K. Thurber, Jr.

DMEA 1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms and monthly progress report for April 1953

The subject property was inspected April 30, 1953, in company with Joe Plosser, operator, and A. F. Trites and George Hadd, geologists of the Mineral Resources Branch of the Geological Survey. The topographic and geologic mapping accomplished by the geologists to date on the property was discussed at the Geological Survey camp near the property.

A considerable increase in footage drilled during the reporting period over previous month's footage was noted. The increase was due to better weather and road conditions. A still greater increase in subsequent reporting periods is expected because of the hiring of another driller by the drilling subcontractor. The driller, a Mr. Terrell, arrived on the property on April 30, 1953.

The work of Trites and Hadd will greatly aid the operators in intelligently planning future holes by indicating probable channel trends as the drilling progresses. At the time of the examination, a detailed geologic map was being made and the collar elevation and position of the drill holes found. The geologists were also logging the core in detail for geologic purposes. This work may show a different supposed channel pattern than originally projected, but the drilling pattern will remain essentially the same. In this connection, the operator was informed that minor changes in the pattern of drilling were permissible, upon recommendation of the geologists, without a formal amendment. Any change in the pattern would be an extension of the original drill lines to the west. It was noted that good cooperation had been established between the operators and the geologists.

The assays accompanying the MF-104 forms show good mineralization in Holes 4 and 5, and 17½ inches of ore in Hole 7. Assays of samples from Holes 8, 9, 10, 11, 12, 13 and 14 will be reported with the next MF-104 forms.

Observation of the cores and the driller's certification of the drill logs substantiate the operator's claim of total footage drilled during the reporting period. The narrative report correctly reflects the progress made and the difficulties encountered. It is therefore recommended that the operator be reimbursed in the amount of $2,537.89, which is 90 percent of $2,819.88, the total expenditures allowed under the contract for the reporting period.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-7397 during the month of April, 1953.

Drilling operations for the month of April began on the 6th and continued without interruption, except for one day lost owing to bad weather, through the 28th.

During this time Holes 9, 10, 11, 12, 13 and 14 were drilled at locations as shown on the accompanying sketch. No especial difficulty was encountered with the exception of Holes 12 and 13, in which some caving occurred in the clay and siltstone formations, and poor water return was experienced throughout most of the month's drilling.

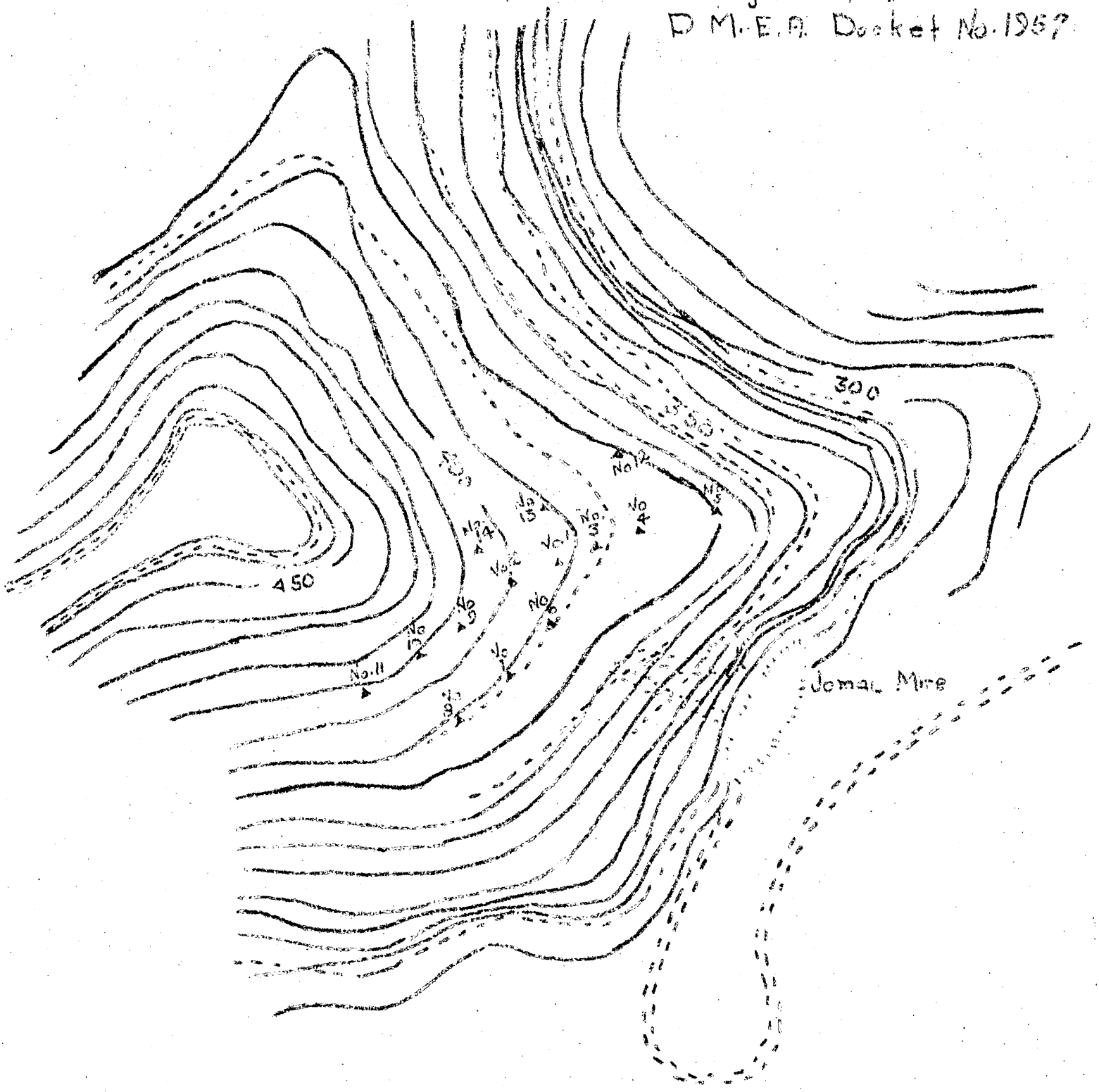
As nearly as could be determined without the aid of instruments, Holes 10 and 11 showed unexpected depth.

On April 8 Horace Thurber, of the Bureau of Mines, made his monthly inspection, and on April 28 Trites and Head, of the United States Geological Survey, began their work of mapping, core logging and inspection for the Defense Minerals Exploration Administration.

Assay returns for core samples from Holes 4, 5, 6 and 7 accompany this report. Returns are not yet in for samples taken from later holes.

TRACED FROM:

Geologic Map of Jomac Mesa
D.M.E.A. Docket No. 1967



Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Ellwill Mining Co.
White Canyon
Utah

April 24, 1952

Sample Description	% U_3O_8	% V_2O_5	%	%	%	%			
4-1	0.112		Hole 4 - 34 inches in mineralized zone						
5-1	0.120		Hole 5 - 32 " " " "						
6-1	0.083		Hole 6 - 48 " " " "						
7-1	0.216		Hole 7 - 17½ " " " "						
5-2	0.031		Hole 5 - 16 inches above sample 5-1						

TOTAL CHARGES $ Paid

J. Earl Smith
CHEMIST

DRILL LOG - Hole No. 9

Footage	Description
0' - 6'	Blue clay with small lens of fine grained, purplish-red sandstone at bottom
6' - 13'6"	Blue clay with small lenses of sandy clay
13'6" - 19'6"	About 6 ft. of clay followed by broken gray to buff sandstone, iron intrusions
19'6" - 25'	Broken, coarse grained, light sandstone
25' - 35'	Brownish sandstone with iron stain, merging into soft, broken conglomerate
35' - 41'8"	Blue clay
41'8" - 51'11"	Approximately 6 ft. of blue clay followed by coarse grained, brownish sandstone with clay inclusions
51'11" - 63'	Coarse grained, buff sandstone, clay lens, then conglomerate, followed by mottled siltstone
63' - 73'4"	Mottled siltstone
73'4" - 82'8"	Same, becoming sandy siltstone
82'8" - 93'2"	Sandy, gray mudstone changing to coarse brown sandstone, white sandstone with clay inclusions, conglomerate - very slightly radioactive in sandstone
93'2" - 98'8"	Lens of carbonaceous material, followed by blue siltstone and Moenkopi

DRILL LOG - Hole No. 10

0' - 4'6"	Blue clay
4'6" - 9'6"	Same
9'6" - 20'6"	Very soft, fine grained sandstone
20'6" - 29'9"	Coarse grained, buff sandstone - iron stained fractures
29'9" - 39'	Coarse grained, buff to brown sandstone
39' - 45'2"	Dark buff sandstone, broken conglomerate, sandy mudstone
45'2" - 55'3"	Sandy mudstone, brown, broken sandstone
55'3" - 60'10"	Coarse grained, brown sandstone, soft and broken at top, changing to fine conglomerate
60'10" - 64'2"	Crumbled conglomerate & about 10 in. of gray siltstone
64'2" - 69'2"	Broken conglomerate of clay & iron pebbles
69'2" - 78'5"	Mottled siltstone
78'5" - 85'4"	Argillaceous sandstone, merging into mottled, fine grained sandstone
85'4" - 90'	Mottled, red sandstone, gray, fine grained argillaceous sandstone, about 6 in. coarse grained, buff sandstone
90' - 95'3"	Speckled, sugary sandstone
95'3" - 101'6"	Very coarse grained, dark buff to bluish sandstone
101'6" - 107'2"	Small lens of carbonaceous material, radioactive, followed by blue and red siltstone

DRILL LOG - Hole No. 11

0' - 5'	Sandy clay
5' - 11'	Same
11' - 19'	Argillaceous gray sandstone, soft and broken, changing to medium grained, brownish sandstone
19' - 29'	Brown sandstone, followed by soft, gray, sandy clay
29' - 39'	Dark buff to brown sandstone, very broken at bottom
39' - 44'	Broken, fine conglomerate and sandy siltstone

DRILL LOG - Hole No. 11 Continued

Footage	Description
44' - 54'	Fine grained sandstone with interbedded clay, followed by coarser grained, brown sandstone with clay inclusions
54' - 62'5"	Very broken, coarse brown sandstone with small amount of conglomerate at bottom
62'5" - 71'	Varicolored, mottled siltstone, interbedded conglomerate
71' - 79'5"	Mottled siltstone
79'5" - 90'8"	Argillaceous purple sandstone followed by sandy gray siltstone - buff, fine grained sandstone with clay streak coarse grained, broken buff sandstone
90'8" - 96'4"	Coarse grained, sugary, buff sandstone - horizontal breaks showing water action - very slightly radioactive last 1½ feet
96'4" - 102'9"	Very coarse, dark buff sandstone, slightly radioactive, followed by blue siltstone & red Moenkopi

DRILL LOG - Hole No. 12

0' - 6'6"	Medium grained, buff sandstone, badly broken
6'6" - 12'10"	Medium grained, broken buff sandstone with nodular clay & iron intrusions, gypsum filled fractures
12'10" - 24'1"	Medium grained, buff sandstone, changing to fine grained argillaceous sandstone, ferruginous conglomerate lens
24'1" - 32'8"	Coarse grained, brown sandstone with nodular clay intrusions, badly broken top & bottom
32'8" - 46'4"	Varicolored, mottled siltstone
46'4" - 53'3"	Same, becoming sandy toward bottom
53'3" - 61'6"	Light buff sandstone with interbedded blue clay
61'6" - 67'11"	Light, speckled, coarse sandstone, very soft
67'11" - 74'8"	Broken, buff sandstone with beds of fine grained, light sandstone, last 14 in. very coarse & soft
74'8" - 79'10"	Coarse grained, varicolored sandstone, some carbonaceous material - Last 20 in. slightly radioactive
79'10" - 84'2"	Coarse sandstone with some carbonaceous material, merging into interbedded sandstone, sandy siltstone and clay, about 33 in. gray & red siltstone at end

DRILL LOG - Hole No. 13

0' - 4'6"	Broken sandstone & sandy clay
4'6" - 8'	Soft, argillaceous sandstone followed by buff sandstone
8' - 14'2"	Medium grained, dark buff sandstone
14'2" - 21'10"	Same, small clay inclusions & vertical fractures
21'10" - 30'2"	Interbedded conglomerate & medium grained, brownish sandstone, argillaceous sandstone & clay at bottom
30'2" - 36'6"	Very fine conglomerate
36'6" - 42'2"	Broken, very fine conglomerate followed by narrow bed of sedimentary conglomerate & soft siltstone
42'2" - 54'8"	Varicolored, soft siltstone
54'8" - 64'8"	Same, becoming sandy at bottom
64'8" - 72'5"	Soft, mottled, argillaceous sandstone
72'5" - 75'1"	Sandy clay
75'1" - 79'8"	Small lens of siltstone, fine grained sandstone & interbedded clay, coarser grained, speckled, buff sandstone

DRILL LOG - Hole No. 13 Continued

Footage	Description
79'8" - 84'8"	Broken, medium grained, buff sandstone, becoming coarser grained & iron stained toward bottom
84'8" - 89'8"	About 1½ in. radioactive carbon followed by iron stained, coarse sand and grayish conglomerate (slightly radioactive) Argillaceous gray sandstone with about 3 in. of siltstone at bottom
89'8" - 94'10"	Sandy siltstone, siltstone conglomerate, followed by gray and chocolate siltstone

DRILL LOG - Hole No. 14

0' - 4'	Medium grained, buff and gray sandstone
4' - 11'5"	Sandy clay
11'5" - 18'4"	Red, yellow streaked, fine grained sandstone followed by very soft, argillaceous sandstone
18'4" - 29'	Soft, gray argillaceous sandstone & sandy clay, followed by fine sandstone with clay inclusions & 4 in. of buff, medium grained sandstone
29' - 39'8"	Medium grained, dark buff sandstone
39'8" - 45'3"	Yellow stained, gray sandstone, argillaceous sandstone & layer of clay
45'3" - 55'3"	Argillaceous, gray sandstone & sandy clay, followed by medium grained sandstone & fine conglomerate
55'3" - 65'	Very fine, dark buff conglomerate, followed by thin layer of siltstone & approx. 2 ft. coarse conglomerate
65' - 70'1"	Layer of conglomerate, varicolored siltstone
70'1" - 78'8"	Same
78'8" - 80'2"	Slightly sandy, mottled siltstone
80'2" - 85'4"	Mottled siltstone, changing to mottled sandstone
85'4" - 90'	Same, merging into argillaceous, mottled sandstone & sandy clay
90' - 93'4"	Sandy siltstone, followed by streaked, gray, fine grained sandstone & about 5 in. sandy siltstone
93'4" - 99'8"	Sandy siltstone interbedded with gray, argillaceous sandstone, followed by about 14 in. gray & buff sandstone
99'8" - 106'2"	Medium grained, dark brownish gray sandstone followed by coarse grained, reddish brown and yellow sandstone & conglomerate - some small inclusions of carbon
106'2" - 111'2"	Interbedded soft siltstone and sandy siltstone showing inclusions of carbonaceous material & iron stain, gray and brown siltstone at bottom
111'2" - 117'6"	Red siltstone (Moenkopi)

Total footage for month of April -- 605 feet 1 inch

I hereby certify that the foregoing is a true and correct log of the total footage drilled during the month of April, 1953, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors

Forest H. Majors

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

Budget Bureau No. 42-R1036.3.
Approval expires 7-31-53.

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
APR 1 - 1953
APR 4 1953
Salt Lake City, Utah

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

Month of March, 1953 Docket No. DMEA 1957 Contract No. Tom-1397

Operator's Name Ellihill Mining Company Minerals Uranium

Address White Canyon, Utah

Contract Amount, $19,050.00 Government Participation: 90 % Amount, $ 17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	2395.63	877.63	3273.26			
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	2395.63	877.63	3273.26	2395.63	877.63	3273.26

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

Date 4/1/53 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$2156.07

Signature [illegible]
(Authorized Certifying Officer)

Date 4/23/53 Vou. No. DMA 53-126

(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. Idaho-E39 in accordance with the terms of the contract.

Signature R. K. Thurber, Jr. Title Mining Eng. Date April 16, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.S.B. Executive Officer

Signature W. H. King Title ..... Date APR 21 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

APR 4 1953

Month of March 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	2395.63	514' 1"	3273.26	702'5"	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2395.63		3273.26				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2395.63		3273.26				19,050.00

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 4/1/53 Operator Ellihill Mining Company

Per J. B. Plasser Title President

→ 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.

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U. S. GOVERNMENT PRINTING OFFICE 205676

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

224 New Customhouse
Denver 2, Colorado

April 21, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Co., White Canyon, San Juan County, Utah - Operator's Monthly Progress Report, for the period March 1953.

Enclosed are the original a nd 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----------April 1, 1953
Date Received in Field Office----------April 1, 1953
Date Received in Region Office----------April 20, 1953
Date Processed for Payment----------April 21, 1953

W. H. King
W. H. King

RDB:es

Enclosures

cc: Contract
Sec. to the Oper. Comm. (2)
Wilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

April 16, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA 1957, Contract Ida-E399, Ellihill Mining Co., White Canyon, San Juan County, Utah. MF-104 forms for March 1953.

The enclosed MF-104 forms list expenditures made by the subject contractor during March 1953. An inspection of the property was made by H. K. Thurber April 8, 1953. A report of the monthly progress is included.

Work accomplished during March consisted of 514.1 feet of diamond drilling. The total footage is reported on the MF-104 forms and the work is in conformance with the contract terms. It is recommended that the operator be repaid on the basis shown in the progress report.

The MF-104 forms were received from the contractor April 1, 1953.

Stephen R. Wilson
Stephen R. Wilson

Enclosures 2

S. R. Wilson April 16, 1953

H. K. Thurber, Jr.

DMEA-1957, Contract Idm-E397, Ellihill Mining Co., White Canyon, San Juan County, Utah. MF-104 forms and monthly progress report.

An inspection of the subject property was made on April 8, 1953, in the company of M. L. Jordan, secretary of the Ellihill Mining Co., and Forest H. Majors, the drilling subcontractor.

The work completed during the period consisted of approximately 20 hours of bulldozer work on roads and drill sites and 514.1 feet of AX diamond drilling in seven holes. The work was accomplished in conformance with the short-form contract.

The advent of warmer weather allowed better progress of the drilling for the reporting period, as reflected in the MF-104 form, which shows a total of 514.1 feet of drilling. The drilling subcontractor anticipates that the drilling will progress more rapidly during subsequent reporting periods. Drilling is somewhat slowed by the fact that the broken character of the clays of the Chinle formation require casing to alleviate excessive water loss.

The assays attached to the MF-104 forms indicate that good mineralization has been encountered in Holes No. 2 and 3 and good ore found in Hole No. 1. When available, the assay results from recently drilled holes will aid in delimiting the apparent channel. The next rows of holes will determine the course of the projected channel.

Observation of the cores substantiates the total footage drilled during the month as reported in the MF-104 forms. It is therefore recommended that the operator be reimbursed for $2,156.07, which is 90 percent of $2,395.63, the expenditure allowable under the contract.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of work accomplished on the Jomac Mining Claims under Contract No. Idm-E397 during the month of March, 1953.

The first drilling during the month of March was accomplished on the 8th, when uncompleted Hole No. 2 was drilled from 94 feet 2 inches to 99 feet 1 inch, into the Moenkopi. Hole No. 3 was begun on the 9th.

On the evening of Monday, March 9, an accquaintance of Mr. Majors' arrived from Salt Lake City to work during his vacation as driller's helper. He remained through March 17.

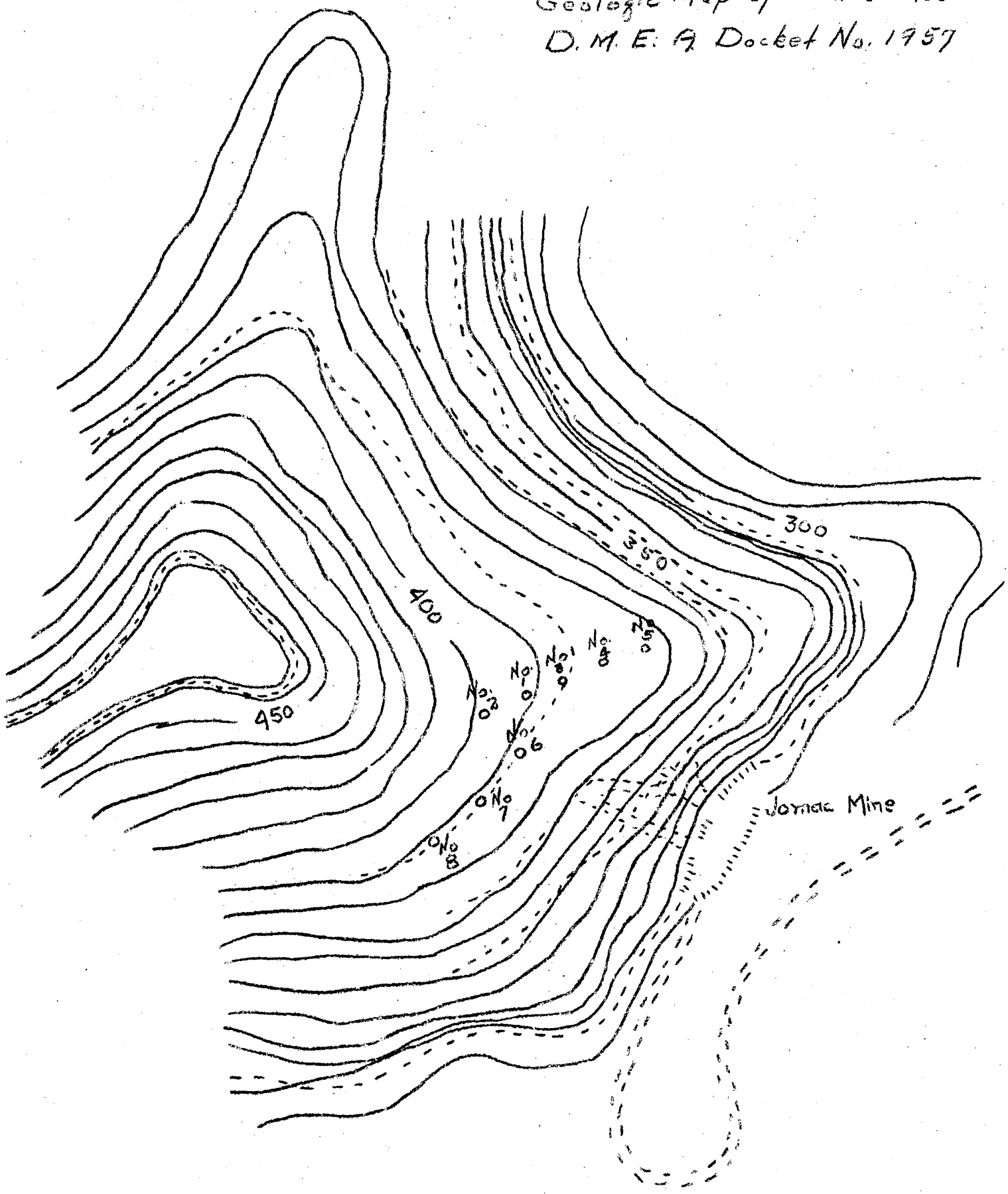
On Tuesday, March 10, William Hassler, from the Defense Minerals Exploration Administration, and Horace Thurber, from the Bureau of Mines, arrived to inspect the work already done and to spot the holes next to be drilled. Locations for Holes 4 through 11 were definitely decided, and tentative locations for further drilling were agreed upon.

During the remainder of the month Holes 3, 4, 5, 6, 7 and 8 were completed as shown on the accompanying sketch. Mr. Majors has found it expedient to case each hole to a depth of 30 feet or more, and water return is not always good. Coring, through the two mudstone, or clay, beds encountered in every hole, is usually impossible. Otherwise, no unusual or major difficulties have been encountered.

On March 26, 27 and 28 the remaining dozer work was completed, as outlined by Mr. Hassler and Mr. Thurber.

Assay reports of all samples so far taken are attached.

Traced from:
Geologic Map of Jomac Mesa
D. M. E. A Docket No. 1957



DRILL LOG - Hole No. 2 (Cont. from Feb. Report)

Footage	Description
94'2" - 99'1"	Gray siltstone and Moenkopi

DRILL LOG - Hole No. 3

Footage	Description
0' - 6'5"	Broken sandstone and shale overburden
6'5" - 13'5"	Medium grained buff sandstone
13'5" - 16'8"	Same, becoming coarser grained
16'8" - 19'6"	Coarse grained buff sandstone with red and yellow intrusions of iron stain
19'6" - 22'10"	Same, merging into blue clay
22'10" - 26'	Blue clay
26' - 30'	Broken, medium grained sandstone with clay intrusions
30' - 40'6"	Coarse grained buff sandstone with small intrusions of clay
40'6" - 62'2"	Varicolored mudstone merging into soft sandstone at base
62'2" - 64'8"	Purple, medium grained sandstone with interbedded mudstone
64'8" - 70'1"	Greenish-gray, streaked sandstone with interbedded mudstone
70'1" - 80'3"	Gray, fine grained sandstone with interbedded mudstone, merging into coarse grained buff sandstone
80'3" - 84'6"	Coarse grained buff sandstone with intrusions of iron stain and carbonaceous material toward bottom
84'6" - 88'5"	Coarse grained carbonaceous gray sand stone, mudstone at base, slightly radioactive
88'5" - 91'	Gray siltstone and Moenkopi

DRILL LOG - Hole No. 4

Footage	Description
0' - 9'5"	Sand and clay overburden, medium grained buff sandstone
9'5" - 15'	Same, blue mudstone at base
15' - 19'6"	Blue clay or mudstone
19'6" - 29'	Blue mudstone, broken, fine to coarse grained buff sandstone with nodular clay intrusions
29' - 34'4"	Coarse grained, buff sandstone with intrusions of iron stain
34'4" - 35'4"	Conglomerate
35'4" - 38'11"	Blue flecked with black mudstone
38'11" - 45'3"	Varicolored loose mudstone
45'3" - 58'8"	Same - about 3 feet of soft sandstone with interbedded clay
58'8" - 61'11"	Broken, medium grained light buff and gray sandstone with clay intrusions and verticle lenses of gypsum
61'11" - 73'4"	Fine grained gray sandstone with interbedded siltstone, merging into coarse grained buff sandstone

DRILL LOG - Hole No. 4 (Continued)

Footage	Description
73'4" - 79'7"	Coarse grained varicolored sandstone merging into fine conglomerate. Some radioactivity
79'7" - 81'8"	Radioactive conglomerate, about 2 inches of siltstone with lens of gypsum at base
81'8" - 84'8"	Buff and gray siltstone, fine lenses of copper stain at top - slight radioactivity

DRILL LOG - Hole No. 5

Footage	Description
0' - 8'5"	Coarse grained buff sandstone
8'5" - 12'	Conglomerate and coarse grained buff sandstone
12' - 21'	Medium grained gray sandstone with interbedded blue mudstone
21' - 37'	Coarse grained brownish sandstone and conglomerate with clay intrusions
37' - 49'	Mudstone, no core
49' - 54'8"	Varicolored mudstone with approximately 14 inches of greensih-gray sandstone and interbedded clay
54'8" - 63'8"	Coarse grained buff sandstone with areas of interbedded clay or mudstone
63'8" - 74'	Same, becoming coarser grained at bottom
74' - 77'8"	Coarse grained sandstone and conglomerate with carbonaceous material - some radioactivity
77'8" - 81'10"	About 14 inches of soft siltstone with interbedded carbonaceous material and lenses of gypsum, some traces of copper - gray-green siltstone at base

DRILL LOG - Hole No. 6

Footage	Description
0' - 14'	Coarse grained buff sandstone
14' - 22'10"	Blue mudstone (about 5 feet) and coarse grained brownish sandstone with clay intrusions
22'10" - 29'6"	Coarse grained brown sandstone and conglomerate, vertical cracks stained with iron
29'6" - 34'	Same
34' - 44'2"	Varicolored mudstone
44'2" - 54'3"	Same - small amount of purplish sandstone at base
54'3" - 62'3"	Medium grained gray sandstone with interbedded mudstone
62'3" - 66'6"	Medium grained gray sandstone streaked with black, interbedded mudstone
66'6" - 74'8"	Same, for approximately 3 feet, then coarse grained varicolored broken sandstone
74'8" - 78'8"	Coarse grained yellow and gray sandstone with intrusions of clay and carbonaceous material and small lenses of gypsum - slightly radioactive
78'8" - 83'6"	Black and gray siltstone, Moenkopi

DRILL LOG - Hole No. 7

Footage	Description
0' - 10'	Medium grained buff sandstone
10' - 14'	Same, with small intrusions of clay and iron stain
14' - 18'	Brownish sandstone with clay intrusions
18' - 24'	Blue clay - no core
24' - 32'8"	Broken, coarse grained brownish sandstone with clay and iron intrusions
32'8" - 37'5"	Same
37'5" - 53'2"	Varicolored mudstone, becoming sandy mudstone at base
53'2" - 55'8"	Sandy, purple mudstone, merging into fine grained streaked sandstone
55'8" - 62'8"	Medium to fine grained streaked purple sandstone
62'8" - 70'	Gray and buff medium to fine grained sandstone with interbedded clay
70' - 77'9"	Coarse grained varicolored sandstone and fine conglomerate with fractures stained with iron
77'9" - 80'3"	Approximately 13 inches of radioactive interbedded sandstone and siltstone with carbonaceous material, followed by soft, mottled siltstone
80'3" - 83'10"	Siltstone followed by Moenkopi

DRILL LOG - Hole No. 8

0' - 17'	Broken, medium to coarse grained buff sandstone
17' - 21'	Blue clay or mudstone
21' - 32'6"	Very soft gray sandstone with interbedded clay
32'6" - 36'	Broken, coarse grained brownish sandstone, iron stained vertical cracks
36' - 38'	Same, soft, shaley sandstone at bottom
38' - 59'8"	About 2 feet soft sandstone followed by mottled mudstone, becoming sandy at bottom
59'8" - 66'10"	Fine grained purple sandstone changing to soft, gray sandstone with interbedded clay
66'10" - 75'2"	Dark gray sandstone changing abruptly to coarse, sugary, dark buff sandstone
75'2" - 77'8"	Interbedded sandy siltstone & coarse sandstone
77'8" - 84'4"	Red sandstone with clay inclusions

Total footage for month of March - 514 feet 1 inch

I hereby certify that the foregoing is a true and correct log of the total footage drilled during the month of March, 1953, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors

Forest H. Majors

ASSAY REPORT

Hole No. 1 - 3 samples

Sample 1 - 13 inches over mineralized zone	0.03%
Sample 2 - 11 inches, mineralized zone	1.37%
Sample 3 - 12½ inches under mineralized zone	0.03%

Hole No. 2 - 1 sample

15 inches in mineralized zone	0.09%

Hole No. 3 - 1 sample

23½ inches in mineralized zone	0.05%

The above chemical assays were made in the laboratory of the Vanadium Corporation of America Mill at White Canyon, Utah.

Leroy Parker

Leroy Parker, Superintendent

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

U. S. Bureau of Mines
RECEIVED
MAR 6 - 1953
Salt Lake City, Utah

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

Month of February, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90 % Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	632.98	244.65	877.63			
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	632.98	244.65	877.63	632.98	244.65	877.63

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

Date Mar. 2, 1953 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$569.68

Signature (Authorized Certifying Officer)

Date 4/3/53 Vou. No. 53-114

(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-E397 in accordance with the terms of the contract.

Signature W. K. Thurber, Jr. Title Mining Eng. Date Mar. 19, 1953

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

Signature W. H. King Title Executive Officer Date MAR 30 1953

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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	632.98	135 5/6	877.63	188 1/3	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		632.98		877.63				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		632.98		877.63				19,050.00

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 Mar. 2, 1953 Operator Ellihill Mining Company

Per J. B. Plosser Title President

J. B. Plosser

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 83-38475

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

224 New Customhouse
Denver 2, Colorado

March 30, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium), Ellihill Mining Company, White Canyon, San Juan County, Utah. Operator's Monthly Progress Report for the period February 1953.

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	March 2, 1953.
Date Received in Field Office	March 6, 1953.
Date Received in Region Office	March 23, 1953.
Date Processed for Payment	March 27, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwn

cc: Contract
SEWilson
Secretary to the Oper. Comm. (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

March 20, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957, Contract Idm-K397, Ellihill Mining Co., San Juan County, Utah. MF-104 forms for February 1953

Transmitted herewith are MF-104 forms which list contract expenditures on the subject property for February 1953. The inspecting engineer's progress report is attached.

During February, diamond drilling progress was hampered by unfavorable weather and illness of the drilling contractor. A total of 135.8 feet of diamond drilling was completed during the period. This work is in conformance with terms of the short-form contract. Recommendation is made that the operator be reimbursed for the Government's share of expenditures in the manner described in the progress report.

The property was inspected by H. K. Thurber, Jr., March 10, 1953. The MF-104 forms were received from the operator March 6, 1953. The inspecting engineer was in the field from March 9 to March 16, hence the delay in promptly processing the MF-104 forms.

Stephen R. Wilson

Stephen R. Wilson

Enclosures 2

S. R. Wilson March 19, 1953

H. K. Thurber, Jr.

DMEA 1957, Contract Idm-E397, Ellihill Mining Co., White Canyon, San Juan County, Utah. MF-104 forms and monthly progress report, February 1953

The subject operation was visited March 10, 1953, in company with J. W. Hasler, geologist of the Geological Survey, and J. B. Plosser, operator.

The work completed during the reporting period consisted of the diamond drilling of 135.8 feet of AX hole through part of the Chinle and the Shinarump formations into the underlying Moenkopi.

Core from completed Hole No. 1 and from incomplete Hole No. 2 were examined and checked with a Geiger counter. The counter showed weak mineralization over a number of feet of core and strong mineralization over approximately one foot, as indicated in the narrative report. The core recovery from the ore horizon has been very good to date, and the core has been properly stored.

The work was accomplished in conformance with the short-form contract requirements and the MF-104 and MF-104A forms correctly reflect the footage drilled. The narrative report is sufficient in reporting drilling progress and difficulties encountered. The sketch map included correctly shows the location of the holes drilled.

The work on the project proceeded slowly during the month due, in part, to the incapacitation of the drilling contractor and, in part, to inclement weather, as outlined in the operator's narrative report.

As a result of the slow progress, the operator feels that more time will be required to complete the contract footage. To this end, the operator was advised to submit in sextuplicate a request for an amendment to extend the estimated time of completion of the project. This he will do shortly.

Mr. Majors, the drilling contractor, has not been able to obtain help in the form of either a drill helper or a driller, and thus must do all the work himself. Until he finds competent help, the work will continue slowly.

It is recommended that the Ellihill Mining Co. be reimbursed for $569.68, which is 90 percent of $632.98, the total expenditures under the contract for the reporting period.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of Work Accomplished on the Jomac Mining Claims
Under Contract No. Idm-E307 During the Month
of February, 1953.

The driller, Mr. Majors, returned from Salt Lake City, where he and his wife had been recuperating from illness, on the tenth day of February.

Stormy weather prevented immediate resumption of drilling operations, and caused intermittent work stoppages throughout the remainder of the month.

In hole No. 1 approximately 18 feet of shattered mudstone had to be cemented. Otherwise the completion of Hole No. 1 proceeded without incident. At a depth of 87 feet 11 inches the core yielded approximately 12 inches of radioactive carbonaceous shale, followed by two to three feet of gray siltstone which merged into the chocolate red Moenkopi. The core has not yet been split for assaying, pending the arrival of the D.M.E.A. representative.

Hole No. 2, located 30 feet southwest of Hole No. 1 (see accompanying sketch) presented no major difficulties. This hole is now down to a depth of 94 feet 2 inches, the last core removed being the coarse grained, varicolored sandstone that is characteristic of the beds immediately above the ore horizon. A snowstorm, which made the roads impassible for hauling water, prevented the completion of this hole.

Mr. Majors is taking advantage of this storm-enforced work stoppage to make a trip to Salt Lake City for supplies and to hire a driller or a helper so that the drilling program may proceed from now on more expeditiously.

DRILL LOG - Hole No. 1 (Cont. from January Report)

Footage	Description
52'6" - 59'5"	Varicolored mudstone
59'5" - 63'6"	Varicolored mudstone merging into mottled medium grained sandstone
63'6" - 68'8"	Brown mud - Purplish-brown medium grained sandstone with interbedded layer of blue clay
68'8" - 74'8"	Gray sandstone with interbedded clay
74'8" - 80'1"	Yellowish medium grained sandstone streaked with gray, with interbedded gray mudstone
80'1" - 84'7"	Medium to coarse grained brownish yellow sandstone
84'7" - 87'11"	Coarse grained sandstone and conglomerate
87'11" - 90'4"	Approximately 12 inches of radio-active carbonaceous shale, gray siltstone at base
90'4" - 94'2"	Gray siltstone and Moenkopi

DRILL LOG - Hole No. 2

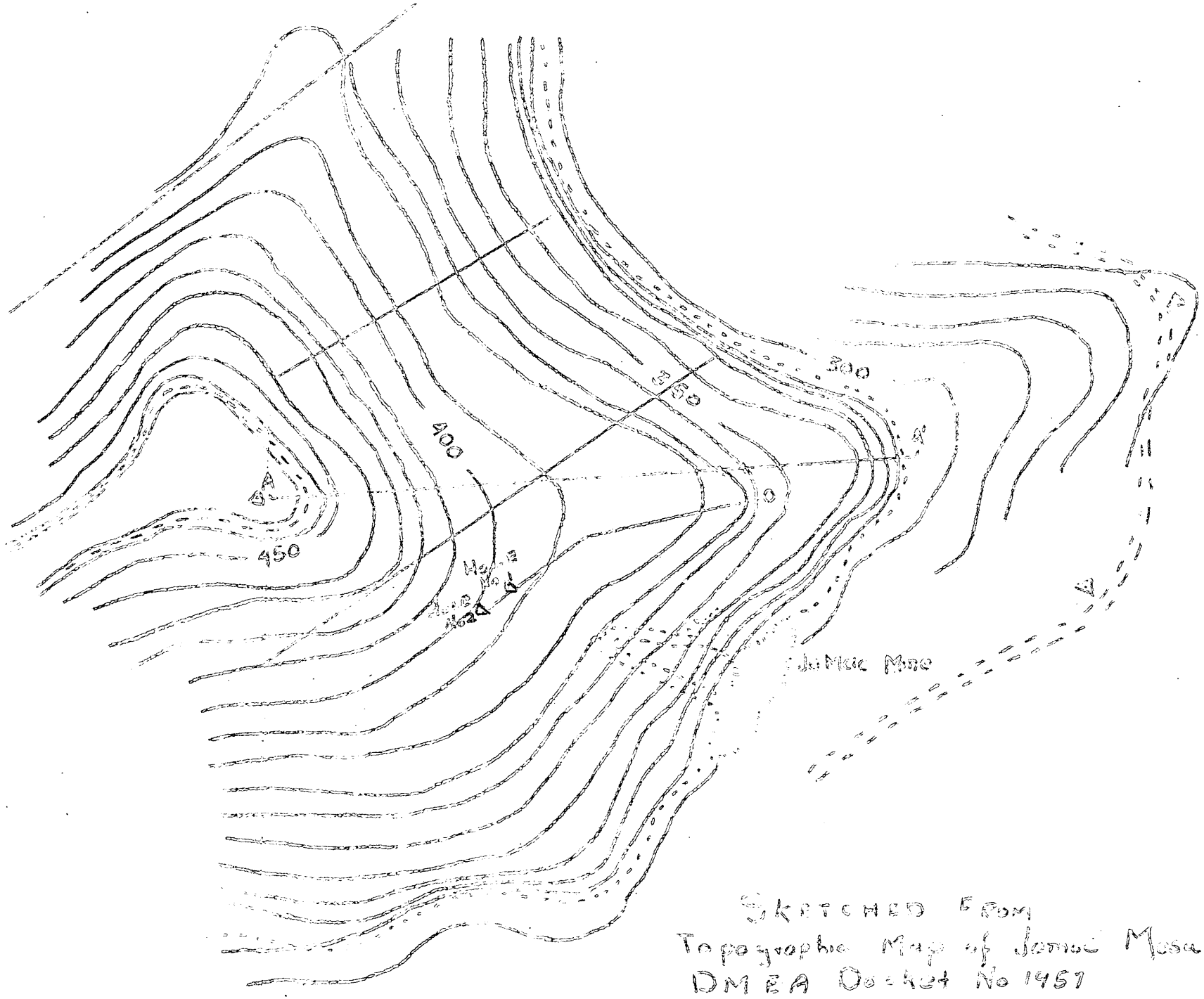
Footage	Description
0' - 4'6"	Mixed sand and clay overburden
4'6" - 10'6"	Same, merging into buff medium grained sandstone
10'6" - 15'2"	Coarse grained buff sandstone
15'2" - 21'4"	Medium to coarse grained buff sandstone
21'4" - 27'6"	Coarse grained buff to gray sandstone and conglomerate - blue clay at bottom
27'6" - 29'8"	Fine grained gray sandstone with interbedded mudstone
29'8" - 40'3"	Same, merging into gray to buff medium grained sandstone
40'3" - 46'3"	Coarse grained buff to brownish sandstone with nodular clay intrusions
46'3" - 49'2"	Coarse grained brownish sandstone with intrusions of clay and iron, merging into conglomerate of sedimentary material
49'2" - 54'8"	Varicolored mudstone or clay
54'8" - 68'6"	Same
68'6" - 76'3"	Medium grained white to yellow sandstone streaked with gray
76'3" - 85'5"	Same, becoming gray sandstone with interbedded gray mudstone, and merging into buff coarser grained sandstone
85'5" - 94'2"	Coarse grained sandstone of varying colors, clay at base

I hereby certify that the foregoing is a true and correct log of the total footage drilled during the month of February, 1953, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors

Forest H. Majors



SKETCHED FROM
Topographic Map of Jamac Mesa
DMEA Docket No 1957

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

U. S. Bureau of Mines
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

FEB 11 1953
Salt Lake City, Utah

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

Month of January, 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah
Contract Amount, $19,050.00 Government Participation: 90 % Amount, $17,145.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling	244.65	None	244.65			
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	244.65		244.65	244.65	--	244.65

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

Date Feb. 3, 1953 *Payee Ellihill Mining Company

Per J. B. Plosser Title President

*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:

$220.19

Signature
(Authorized Certifying Officer)

Date 2/26/53 Vou. No. DMA 53-101

(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. 1957 in accordance with the terms of the contract.

Signature K. K. Thurber, Jr. Title Mining Eng Date Feb. 12, 1953

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

Signature W. H. King Title Executive Officer Date FEB 19 1953

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 1957 Contract No. Idm-E397
Operator's Name Ellihill Mining Company Minerals Uranium
Address White Canyon, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	244.65	52.5	244.65	52.5	4.66	3000	4.66
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		244.65		244.65				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		244.65		244.65				19,050.00

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

Date Feb. 3, 1953 Operator Ellihill Mining Company

Per J. B. Plosser Title President

J. B. Plosser

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

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

224 New Customhouse
Denver 2, Colorado

February 19, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1957, Contract Idm-E397 (Uranium) Ellihill Mining Co., White Canyon, San Juan County, Utah. Operator's Monthly Progress Report, for the period December 27 to January 31, 1953.

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	February 3, 1953
Date Received in Field Office	February 11, 1953
Date Received in Region Office	February 19, 1953
Date Processed for Payment	February 19, 1953

W. H. King

W. H. King

Enclosures

RB:ld

cc: Contract
Secretary to Operating Committee (2)
Wilson
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

February 17, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA 1957, Contract Idm-E397, Ellihill Mining Co., Waite Canyon, San Juan County, Utah. MF-104 forms for the period December 27, 1952, to January 31, 1953

Enclosed are the required copies of MF-104 forms submitted by the subject contractor for work performed during the above period. The property was inspected by H. K. Thurber and a progress report prepared. Copies of this report are included.

Diamond drilling operations during the period were hampered by illness of the subcontractor, thus only 52½ feet of drilling was completed in one hole. This work is in conformance with the contract terms and recommendation is made that reimbursement to the operator be accomplished by the amount shown in the progress report.

The property was inspected January 16, 1953. The MF-104 forms were received in this office February 11, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosures 2

S. R. Wilson February 12, 1953

H. K. Thurber, Jr.

DMEA 1957, Contract Idm-E397, Ellihill Mining Co., White Canyon, San Juan County, Utah. MF-104 forms and progress report for period December 27, 1952, to January 31, 1953

The subject MF-104 forms and the supporting documentation was received in this office February 11, 1953, and reviewed this date.

The work accomplished during the reporting period consisted of preparation of drill sites and diamond drilling of 52.5 feet of hole. At the time of the inspection of the project, the drill sites had been prepared and drilling was being done on hole No. 1. The certified drill log of the hole shows that it had been drilled to 52.5 feet at the end of the reporting period and reimbursement is requested on this basis.

The work was accomplished in conformance with the short-form contract requirements and the MF-104 and MF-104A forms correctly reflect the expenditures allowable under the contract. The narrative report is sufficient in reporting difficulties encountered in the work during the period.

It is recommended, subject to a check of arithmetical calculations, that the Ellihill Mining Co. be reimbursed in the amount of $220.19, which is 90 percent of $244.65, the total expenditures under the contract for the reporting period.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

NARRATIVE REPORT

Of Work Accomplished on the Jomac Mining Claims
Under Contract No. Idm-3307 from December 27,
1952, to January 31, 1953.

The dozer operator began the preliminary work of preparing the drill sites on December 27, 1952, and completed this phase on January 4, 1953. On December 30 the Millhill Mining Company notified Mr. Stephen Wilson, of the Bureau of Mines, that work under the contract had been begun, and sent a copy of this letter to the Majors Drilling Company as their notification.

Mr. Majors, of the Majors Drilling Company, arrived the evening of January 8 with his rig and helper. The next three days were spent setting up the drill on the first location (see accompanying sketch) getting camp in order and securing water. Drilling operations were begun on January 12.

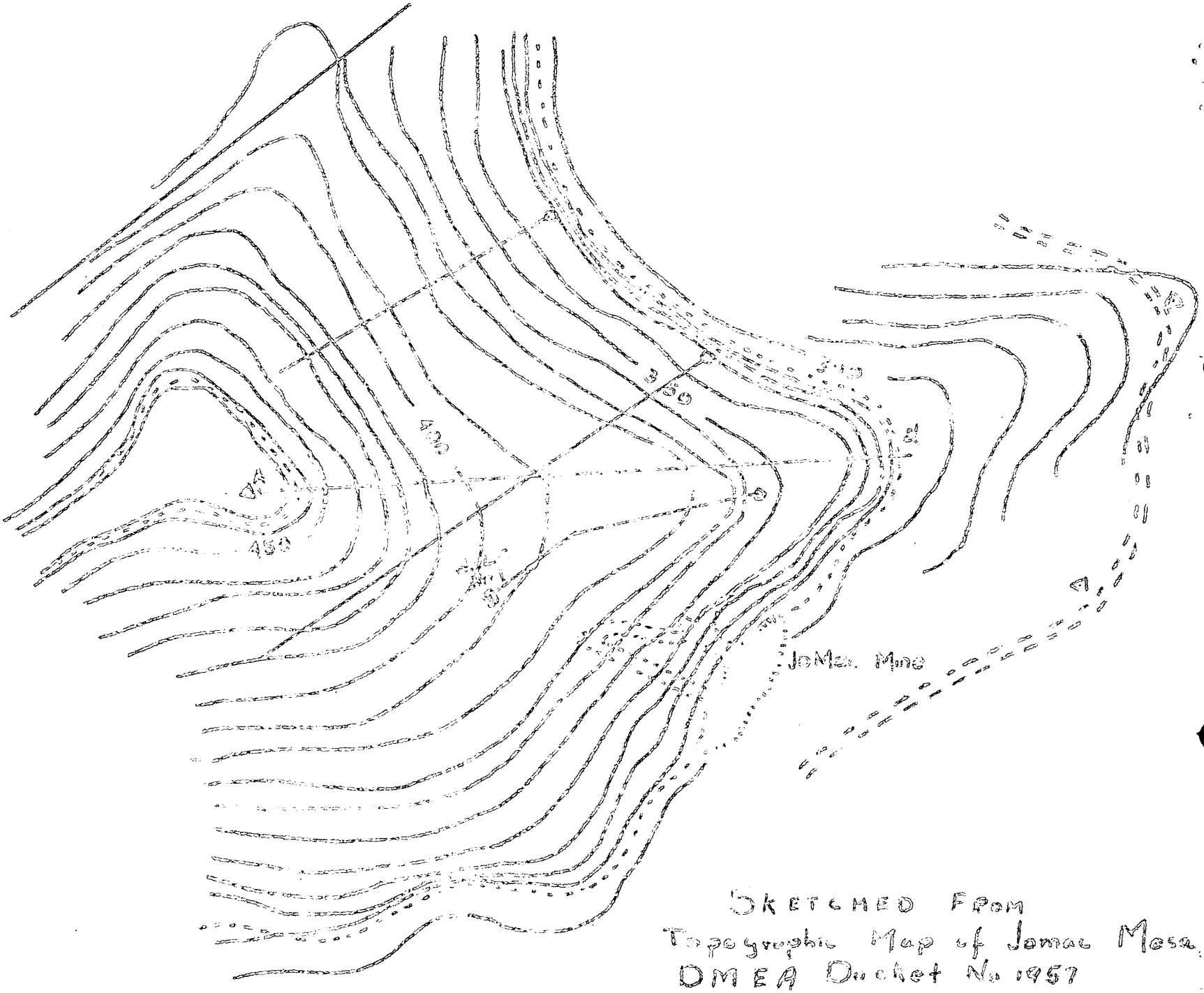
On the morning of January 12 Mr. Majors' helper became ill, and on January 14 left to go to a hospital, leaving Mr. Majors without any assistance.

Drilling proceeded through the week of January 12 to the morning of the 16th, with one day out for bad weather, the only major difficulty being a six foot layer of blue clay, or soft mudstone, encountered at a depth of 20 feet 4 inches.

The afternoon of January 16 Mr. Majors left for Salt Lake City for the purpose of bringing back his wife to keep house for him. Drilling was resumed on January 22, the first day being spent in casing the hole through the blue clay to a depth of 26 feet 4 inches. During the next three days drilling continued to a depth of 5[illegible] feet 6 inches, the last 8 feet being in a formation of shattered mudstone which gave trouble and was cemented on January 25.

On January 26 Mr. Majors became ill and was bedridden until January 30, when he drove to Salt Lake City for recuperation.

No mineralized ground has been encountered; therefore no samples were taken.



SKETCHED FROM
Topographic Map of Jomac Mesa.
DMEA Docket No. 1957

DRILL LOG - Hole No. 1

Footage	Description
0' - 8'	Overburden -- Shinle shale
8' - 10'	Medium grained light sandstone
10' - 14'8"	Same
14'8" - 20'4"	Medium grained broken sandstone merging into fine conglomerate containing nodules of blue clay and iron oxide
20'4" - 26'4"	Blue clay or mudstone, soft
26'4" - 34'	Medium grained brownish sandstone with globules of iron stain and blue clay
34' - 40'10"	Coarse grained brownish sandstone with scattered pebbles of iron stain
40'10" - 44'6"	Conglomerate of sedimentary material
44'6" - 47'	Blue and yellow mudstone
47' - 52'6"	Variegated colored mudstone, shattered

I hereby certify that the above record is a true and correct log of the total footage drilled between January 12 and January 31, 1958, on the Jomac Mining Claims, San Juan County, Utah.

MAJORS DRILLING COMPANY

By Forest H. Majors
Forest H. Majors

SEP 17 1962

Elliehill Mining Company
c/o Mr. William F. Reves
First National Bank Building
Price, Utah

Re: EMRA-1957 (Uranium)
Elliehill Mining Company
Jomac Mine
San Juan County, Utah
Contract Idu-8397

Gentlemen:

By the terms of the referenced Exploration Project Contract and the certification of discovery or development dated November 4, 1953, all minerals mined or produced from September 4, 1952, to September 4, 1962, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr.

Director

FMMurphy/ama 9-14-62

cc:
Docket
Director's Reading File
CA & A Division
Region III (2)
Code 500

Contract and Audit Division

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

To: Ellihill Mining Company - a corporation
White Canyon via Cortez, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E397, dated September 4, 1952, (Docket No. DMEA-1957), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

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

Uranium ore occurs in the Triassic Shinarump conglomerate, where certain ancient erosion channels have cut the surface of the underlying Moenkopi formation, on claims described in Article 2 of the contract. The uranium is contained in a dark, carbonaceous-appearing mineral, and to a lesser extent in carnotite. Copper minerals are also present.

Dated: NOV 4 - 1953

THE UNITED STATES OF AMERICA

By C D Mittendorf
Administrator, Defense Minerals
Exploration Administration

Copies to: Operator (original)
Contract Adm. & Audit Div.
Field Team, Reg. IV (2)
Finance Office
Rare & Misc. Metals Div.
Mails & Files (Docket)
Mr. Irving Gumbel, Director, EPS
Administrator's Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm. 5216 GSA Bldg.
Mr. F. E. Johnson

Mr. Murphy

NOV 5 1959

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

extended period, please notify us. [illegible] six-month intervals [illegible] as [illegible], when [illegible] is the case.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

Murphy/la
10-26-53
cc to: Mr. [illegible] Lie
Operating Committee
Hamet
Messrs. Hedges, no. 1504
Thayer, no. 5216 [illegible]
Ellis
Murphy
F. [illegible] Johnson
Chambers
[illegible] Field [illegible], [illegible] (2)

NOV 5 1953

[illegible]

[illegible]

[illegible] project.

[illegible]

E. O. Mittendorf

Murphy/gla
10-2[illegible]-53
[illegible]

cc to: [illegible]
[illegible]
Messrs. [illegible]
[illegible] 5216 [illegible]
[illegible]
[illegible]
P. D. [illegible]
[illegible]

Defense Minerals Exploration Administration
C. O. Mittendorf
5371 1628

1X1973, Working Fund, Interior, DMEA
November 3, 1953

Mr. W. A. King, Executive Officer, Field Team, Region IV, Defense Minerals Exploration Administration, 228 New Customhouse Bldg., Denver, Colorado.
Docket DMEA-1757, Contract 397, urgentine.

Your memo. Oct. 11 recommending certification. Please advise whether your recommendation for immediate certification still holds in light of general policy stated per letter Oct. 29 re Contract 478 Irene Zinc Mine, Docket 2711.

Since 51114121 contract apparently completed it appears practicable to defer certification until final report received unless special circumstances justify immediate action. Certification withheld pending your further advice.

C. O. Mittendorf

C. O. MITTENDORF, ADMINISTRATOR

COMittendorf/fw

cc: Admr Reading File
Operating Committee
Docket
Mr. Hodges
Mr. Thayer
Mr. Kilis
Mr. Murphy
F.E.Johnson
Mr. Chambers
Field Team, Reg. IV (Confirmation)

SENT
NOV 3 1953
Clerical Service Section

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

No. 5

AMENDMENT OF CONTRACT: No. Idm-E397

Contract Docket No. DMEA 1957, dated September 14, 1952, between the United States of America and Ellihill Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A) (February, 1952), following the words "within a period of" delete "thirteen (13) months" and in lieu thereof insert "fifteen (15) months".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated OCT 26 1953

ELLIHILL MINING COMPANY

By J. B. Plosser
J. B. Plosser, President

Attest:

M. L. Jordan
Secretary

(SEAL)

UNITED STATES OF AMERICA

By W. H. King
W. H. King, Executive Officer
DMEA Field Team, Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 20 1953

September 30, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957 (Uranium), Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. Operator's request for amendment

Attached are six copies of a letter received from the subject operator requesting amendments to the present contract. Comments by the inspecting engineer are included in a separate memorandum.

The operator requests an amendment to extend the life of the contract two months. Permission is also requested to drive a 70-foot crosscut for ventilation purposes.

Mechanical difficulties and illness of the subcontracting crew have slowed the progress of drifting. It is believed that the remaining footage under the contract cannot be completed by the present expiration date, October 4, 1953. Recommendation is made that the life of the contract be extended two months, to December 4, 1953.

The request for amendment to allow a 70-foot crosscut for ventilation is illustrated on a sketch attached to the inspecting engineer's memorandum. The contract allows the operator to "drift 200 feet on the ore that is exposed in the face of the No. 2 drift." The face of the No. 1 drift is being advanced on company account concurrently with advance in the No. 2 drift. The contract is drawn on the short form, with an allowable cost for drifting of $25.35 per foot. In the strictest interpretation, the requested crosscut is not exploration. The short-form contract infers that the allowable unit cost includes all expenses necessary to accomplish the objective of 200 feet of drifting. Proper ventilation is necessary. It appears that installation of mechanical ventilation equipment will be required if the operator proposes to extend the No. 2 drift beyond the face, as of September 12, 1953.

It is recommended that the request for allowance of 70 feet of crosscutting for ventilation purposes be disallowed, on the basis that the proposed work is not exploration.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

S. R. Wilson Sept. 28, 1953

N. K. Thurber, Jr.

Docket No. DMEA 1957 (Uranium), Contract Idm-R397, Ellihill Mining Co., San Juan County, Utah. Request for amendment

The subject operator has requested an amendment to the existing contract to (1) extend the life of the contract for two months beyond the present termination date of October 4, 1953, to December 4, 1953, and (2) to transfer approximately 70 feet of the 200 feet of allowable drifting to a crosscut between Drift No. 2 and Drift No. 1 to obtain better natural ventilation of the workings.

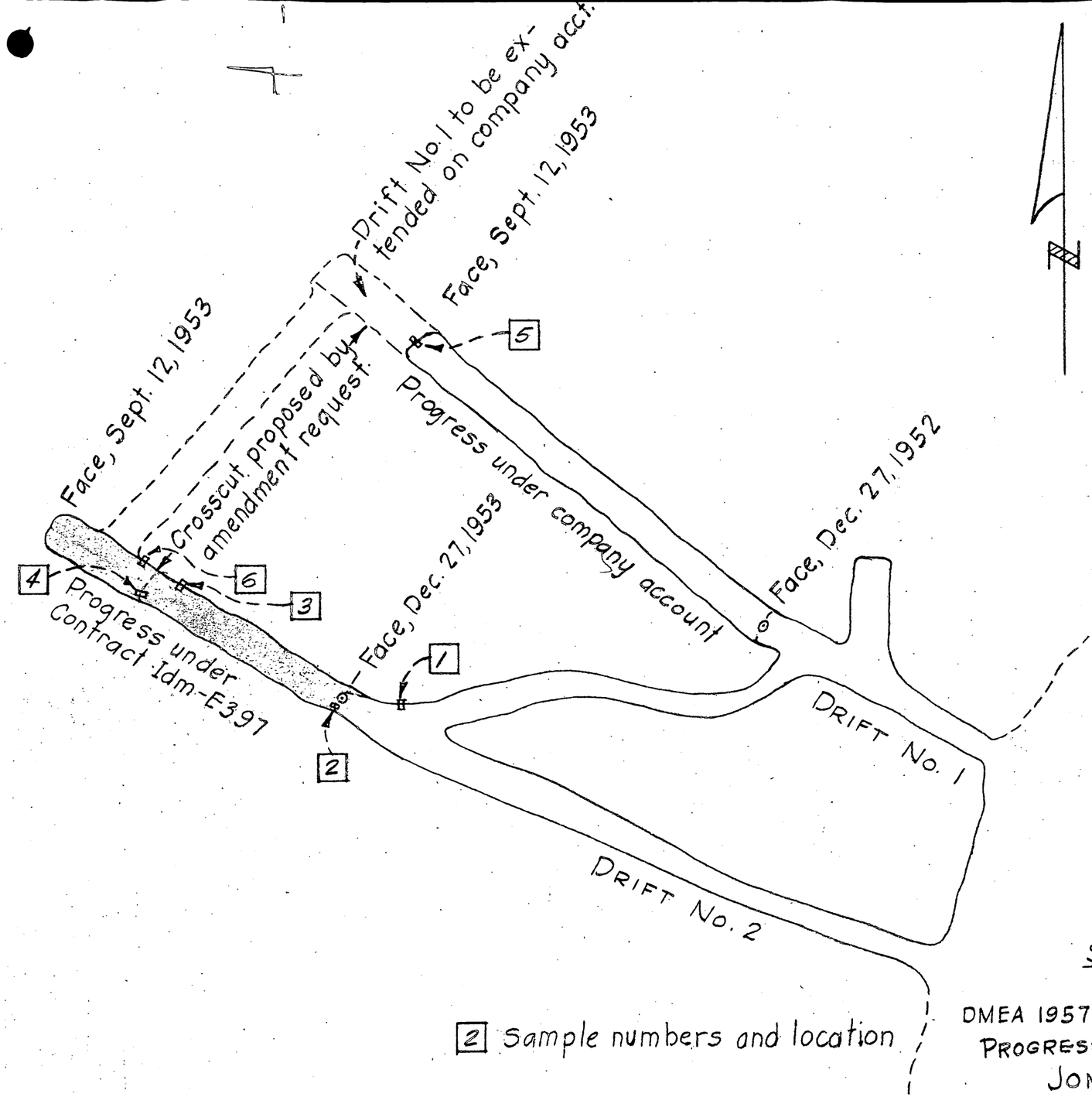
The request for an extension of the life of the contract is made necessary due to delays occasioned by the breakdown of the small Diesel-powered shuttle car used for haulage in the mine and the necessity of replacing the jackhammer being used for drilling underground. The subcontractor's crew was unable to work because of illness during part of the month of August which further slowed progress of the contract work. At the end of August, 138 feet of drifting remained under the contract, and it is believed that this work cannot be finished by the existing termination date.

The operator's proposal of a ventilation crosscut between Drift No. 2 and Drift No. 1 is shown on the attached sketch map. Good circulation of air in Drift No. 2 was available in the area of the junction of the original crosscut and Drift No. 2, but the operator relates that the face has now advanced to a point that little clearing of gases after blasting is accomplished by the natural circulation through this opening. The operator believes that a second crosscut would materially aid in clearing of gases, and therefore requests that he be allowed to use 70 feet of the drifting allowed by the contract in driving the proposed crosscut.

It is recommended, in view of the delays encountered in the underground work, that the requested extension in the life of the project be granted. It is further recommended that consideration be given the question of allowing the driving of the ventilation crosscut as requested by the operator.

N. K. Thurber, Jr.

N. K. Thurber, Jr.



SCALE:- 1" = 20'

2 Sample numbers and location

DMEA 1957 CONTRACT Idm-E397
PROGRESS SKETCH MAP
JOMAC MINE
ELLIHILL MINING COMPANY
SAN JUAN COUNTY, UTAH
SEPT 24, 1953 H.K.T.

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 20 1953

September 12, 1953

Mr. Stephen Wilson
Bureau of Mines
1600 East, 1st South
Salt Lake City, Utah

Re: Docket No. DMEA-1957
Contract Idm-E397

Dear Mr. Wilson:

We find it necessary to request an extension of two month's time under the above contract, which would allow it to run until December 4, 1953. Trouble with equipment and illness of the entire crew slowed up the work and will prevent us from completing the allowed drifting by October 4, 1953.

We request, also, to be permitted to use approximately 70 feet of the 200 feet allowed under the above contract for a crosscut from Tunnel 2 to Tunnel 1 for ventillation purposes. The existing face is approximately 70 feet from the junction with the present crosscut from Tunnel 1, and the air is becoming quite foul as a result of a lack of ventillation.

This extension of time and crosscut for ventillation, if granted, will in no way alter the financial aspects of our contract with the Government.

Very truly yours,

J. B. Plesser
President

JBP/mj

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
AUG 1 1953

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
AUG 1 1953

No. 4

AMENDMENT OF CONTRACT: No. Idm-E397

Contract Docket No. DMEA-1957, dated September 4, 1952, between the United States of America and Ellihill Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), delete "eleven (11) months" and in lieu thereof insert "thirteen (13) months".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated AUG 12 1953

ELLIHILL MINING COMPANY

By J. P. Plosser
President

Attest M. L. Jordan
Secretary

Seal

UNITED STATES OF AMERICA

By W. H. King
W. H. King, Executive Officer,
DMEA Field Team, Region IV

No. 3

AMENDMENT OF CONTRACT: No. Idm-E397

Contract Docket No. DMEA 1957, dated September 4, 1952, between the United States of America and Ellihill Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to Amendment No. 1 dated December 23, 1952, which amended "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), further referring to said Amendment No. 1, delete "eight (8) months" and in lieu thereof substitute "eleven (11) months".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated MAY 12 1953

ELLIHILL MINING COMPANY

By D. R. Plosser
PRES.

Attest M. B. Jordan
Secy.

Seal

UNITED STATES OF AMERICA

By W. H. King
W.H. King, Executive Officer
DMEA Field Team, Region IV

Bureau Records Administration
RECEIVED
MAY 1 5 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

April 21, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957, Contract Idm-E397, Ellinill Mining Co., San Juan County, Utah. Amendment request submitted by operator.

Attached are six copies of an amendment request letter submitted by the subject contractor.

The operator desires that the duration of the contract be extended three months, because of difficulties resulting from unfavorable weather and sickness of the diamond drilling subcontractor.

It is recommended that the above request be granted.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

April 20, 1953

Mr. Stephen Wilson
Bureau of Mines
1600 East, 1st South
Salt Lake City, Utah

Re: Contract No. Idm-E397

Dear Mr. Wilson:

We find it necessary to request an extension of three month's time under the above contract, which would allow it to run until August 4, 1953.

Due to bad weather and sickness during January and February we will not be able to complete the allowed drilling by the present expiration date of May 4, 1953.

This extension of time, if granted, will in no way alter the financial aspects of our contract with the government.

Very truly yours,

J. B. Plosser
President

JBP/mj

No. 2

AMENDMENT OF CONTRACT: No. Idm-E397

Contract Docket No. DMEA 1957, dated September 4, 1952, between the United States of America and Ellihill Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to "EXHIBIT 'A'" attached to Exploration Project Contract Form MF-200(A), caption "Description of the Work", delete the following: "The diamond drill holes are to be spaced 30 feet apart along the indicated scour channels." In lieu thereof substitute the following: "The tentative plan of diamond drilling is to space the holes 30 feet apart along the scour channels, as shown on the attached map, however, the spacing and general location of the holes may be varied, depending on field conditions, contingent on prior approval of the DMEA representative."

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated February 18 1953.

ELLIHILL MINING COMPANY

By J.B. Plosser
J.B. Plosser, President

Attest

Seal

UNITED STATES OF AMERICA

By W. H. King
Executive Officer, DMEA
Field Team, Region IV

cc 2.24.53

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

RECEIVED

January 27, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah. Amendment request submitted by applicant.

Attached are six copies of a letter from the subject contractor requesting changes in the existing contract to allow more flexibility in location of diamond drill holes on the project.

The contract states, "The diamond drill holes are to be placed 30 feet apart along the indicated scour channels." It is believed that the first line of holes, as shown on figure 4A, should be extended to the south. Locations of all holes should be agreed upon by conversations between the operator and DMEA representatives.

It is recommended that the contract be amended to permit the operator's request.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

S. R. Wilson

January 26, 1953

H. K. Thurber, Jr.

DMEA 1957, Contract Idm-2397, Billihill Mining Co., San Juan Co., Utah. Request for amendment to contract.

The above-named company has requested an amendment to their contract to allow the following:

1. An extension of the first line of drill holes (the line closest to the existing underground work) to explore the entire width of the projected channel, as indicated on Fig. 4A, attached. This extension will require approximately 10 holes total rather than the 6 holes total indicated originally on Fig. 4A.

2. Latitude in spacing of holes along projected lines of holes, as required by conditions of topography and other practical considerations, to allow economical drilling and the most effective exploration of the ore horizon, as determined by mutual agreement between the operator and the DMEA representative.

Both of the above changes are logical, practical, and necessary to the most efficient conduct of the diamond drilling phase of this exploration project. Neither will increase the estimated total cost of the project.

H. K. Thurber, Jr.

H. K. Thurber, Jr.

COPY

ELLIHILL MINING COMPANY, INC.

WHITE CANYON, UTAH

January 19, 1953

Mr. Stephen R. Wilson
Bureau of Mines
1600 East First South Street
Salt Lake City 1, Utah

Re: Docket No. 1957
Contract No. Idm-E397

Dear Mr. Wilson:

We wish to request an amendment to Contract No. Idm-E397 to allow for the following:

1. An extension of line 1, as depicted in Fig. 4A, to allow for a maximum of 10 holes instead of the 6 now shown. This would extend line 1 across what is believed to be the ore channel and make possible a deliniation of its outside limits.

2. Latitude in the spacing and placing of drill sites along the projected lines to take care of topographical difficulties. In some areas the hill is very precipitate, making the spacing of drill sites, as projected on Fig. 4A, next to impossible.

We appreciate Mr. Thurber's visit to us last Saturday. He gave us a much better understanding of the reports to be submitted in connection with our contract.

Very truly yours,

/s/ J. B. Plosser
President

JBP/mj

No. 1

AMENDMENT OF CONTRACT: No. Idm-E397

Contract Docket No. DMEA 1957, dated September 4, 1952, between the United States of America and Ellihill Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), after the words "the operator, within", delete "-60-" and in lieu thereof substitute "-120-". Further referring to first said "Article 3" after the words "and shall bring the project to completion within a period of", delete "6 months" and in lieu thereof substitute "eight (8) months".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated December 23 1952.

ELLIHILL MINING COMPANY

By J.B. Plosser
J.B. Plosser, President

Attest:

M. L. Jordan
Secy.

UNITED STATES OF AMERICA

Jno

By W. H. King
Executive Officer, DMEA
Field Team, Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

December 2, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMEA-1957, Contract Idm-E397, Ellihill Mining Co., San Juan County, Utah

Attached are the original and five copies of a letter from the subject contractor requesting an amendment to permit a time extension for commencing work under the contract.

The contractor will be unable to begin work until an agreement is made with a subcontractor for the diamond drilling. Services of a diamond drilling contractor were thought to be available, but, as pointed out in the contractor's letter, equipment was not suitable; thus the agreement was withdrawn.

I have had recent discussions with the contractor here in Salt Lake, and it is believed that he will have a drilling firm on the property during December, if weather permits.

It is recommended that the time for commencing work under the contract be extended to January 4, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

ELLIHILL MINING COMPANY
White Canyon, Utah

November 28, 1952

Mr. Stephen R. Wilson, Chief
Utah-Wyoming Branch, Mining Division
Bureau of Mines
1600 East First South Street
Salt Lake City 1, Utah

Re: Docket No. MPA-1967

Dear Mr. Wilson:

We acknowledge receipt of your letter of September 30, 1952, enclosing Exploration Project Contract Idm-3 397 between the Government and Ellihill Mining Company. This did not reach us until the first of November. Part of the delay in our receiving the contract was due to its being held in the Post Office in Cortez, Colorado, because of insufficient address.

The Plateau Exploration & Development Corp., which made the accepted bid for the core drilling to be done under the above mentioned contract, has written us the following:

"Since I talked to you a week ago we have had a series of additional break downs on our drill rig. Consequently, I have decided to send it back to the factory. It is obviously ill fit for this country and I am afraid never would be satisfactory without major changes. This was not an easy decision to reach but the drill's miserable performance in the field forced it upon us. Therefore, we can not do the proposed drilling for you. I am sincerely sorry."

Due to this withdrawal, it has been necessary for us to secure the services of another drilling contractor, which has caused delay in starting work under the contract. Therefore, we request that Exploration Project Contract Idm-3 397 be amended under Article 3 to allow us an additional 60 days in which to begin work, or until January 4, 1953.

We shall keep your office advised of all developments.

Please note that as of the 1st of December, 1952, we will have a Post Office here at White Canyon. Our address will then be Ellihill Mining Company, White Canyon, Utah.

Very truly yours,

J. E. Plosser

J. E. Plosser
President

JEP/mj

Docket No. 1957

Commodity Uranium

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 397

Date of Contract ~~or Amendment~~: Sept. 6, 1952

Name and Address of Operator:

Ellihill Mining Co.
White Canyon via Cotton, Colorado

Amount of Government participation ____ $ 17,145.00

Percent of Government participation 90 %

Region: IV State: Utah

Note: Please release 0 69.20 ; Advice Contract Administration and Audit Division

J. L. Chambers (Name)
Chief Contract Administration ~~and~~ and Audit Div.

(Title)

Date Delivered to Bureau of Mines, Washington. 3/22/54

54458

Docket No. 1957

Commodity Uranium

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 397

Date of Contract ~~or Amendment~~: Sept. 4, 1952

Name and Address of Operator:

Ellihill Mining Company
White Canyon via Cortez, Colorado

Amount of Government participation $17,145.00

Percent of Government participation 90 %

Region: IV State: Utah

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

(Title)

Date Delivered to Bureau of Mines, Washington. 9/10/52

13808

MF-200 (A)
(February 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

DOCKET NO. DMEA 1957

COMMODITY URANIUM

Idm-E397

Government's Copy

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 4th day of September, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] ELLIHILL MINING COMPANY - A CORPORATION
White Canyon via ~~Hanksville, Utah~~
CORTEZ, COLORADO.

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Utah, County of San Juan, described as follows:[3] Three Contiguous Mining Claims known as Jomac 1, Jomac 11, and Jomac 111; all claims are recorded in Book R-2, page 354 in the Recorder's Office, San Juan County Court House, Monticello, Utah

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

NONE

(*b*) ~~That the Operator is entitled to possession and that the property is subject only to the~~
The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within - 60 - days from the date of this contract shall commence work on a project of exploration for[5] Uranium

in or upon the described land; and shall bring the project to completion within a period of 6 Months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay - 90 - percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $17,145.00, which is 90 percent of $19,050.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

16—66329-1

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* A certified drill log must accompany each copy of Monthly Progress Report, Form MF-104. Reimbursement will be made only for diamond drill holes completed to the satisfaction of the DMEA representative.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By W. H. King
Executive Officer - DMEA
Field Team, Region IV

EUREKA MINING COMPANY
(Operator)

By J. B. Plosser, PRES.

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

Eleanor A. Alexander [CORPORATE SEAL]

Exhibit "A"

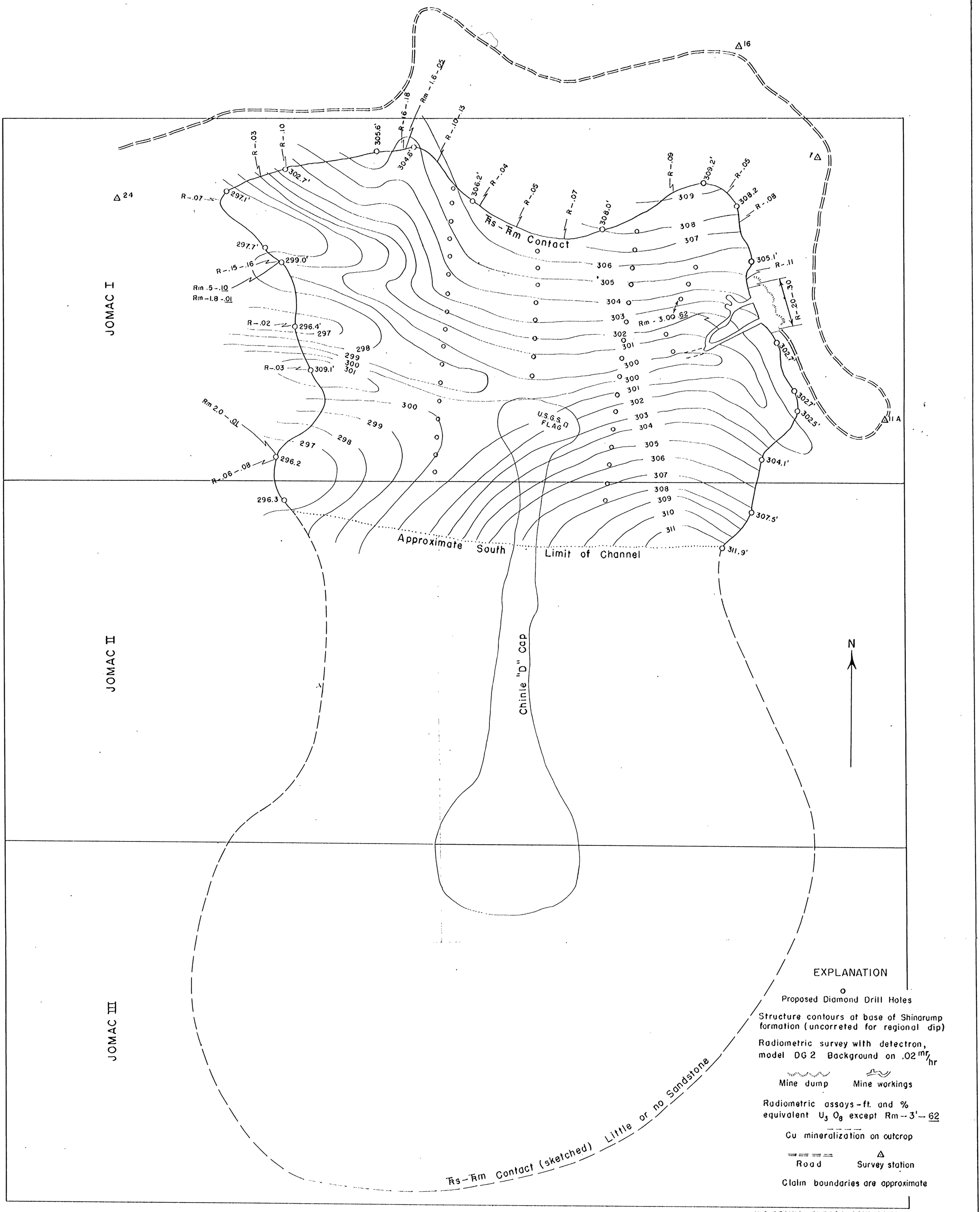
Description of the Work

Explore the scour channels in the basal Shinarump conglomerate by 3000 feet of diamond drilling to test for concentrations of uranium minerals. The diamond drill holes are to be spaced 30 feet apart along the indicated scour channels. Drift 200 feet on the ore that is exposed in the face of the No. 2 drift.

The attached map shows the location of the work.

Estimated Cost of the Work

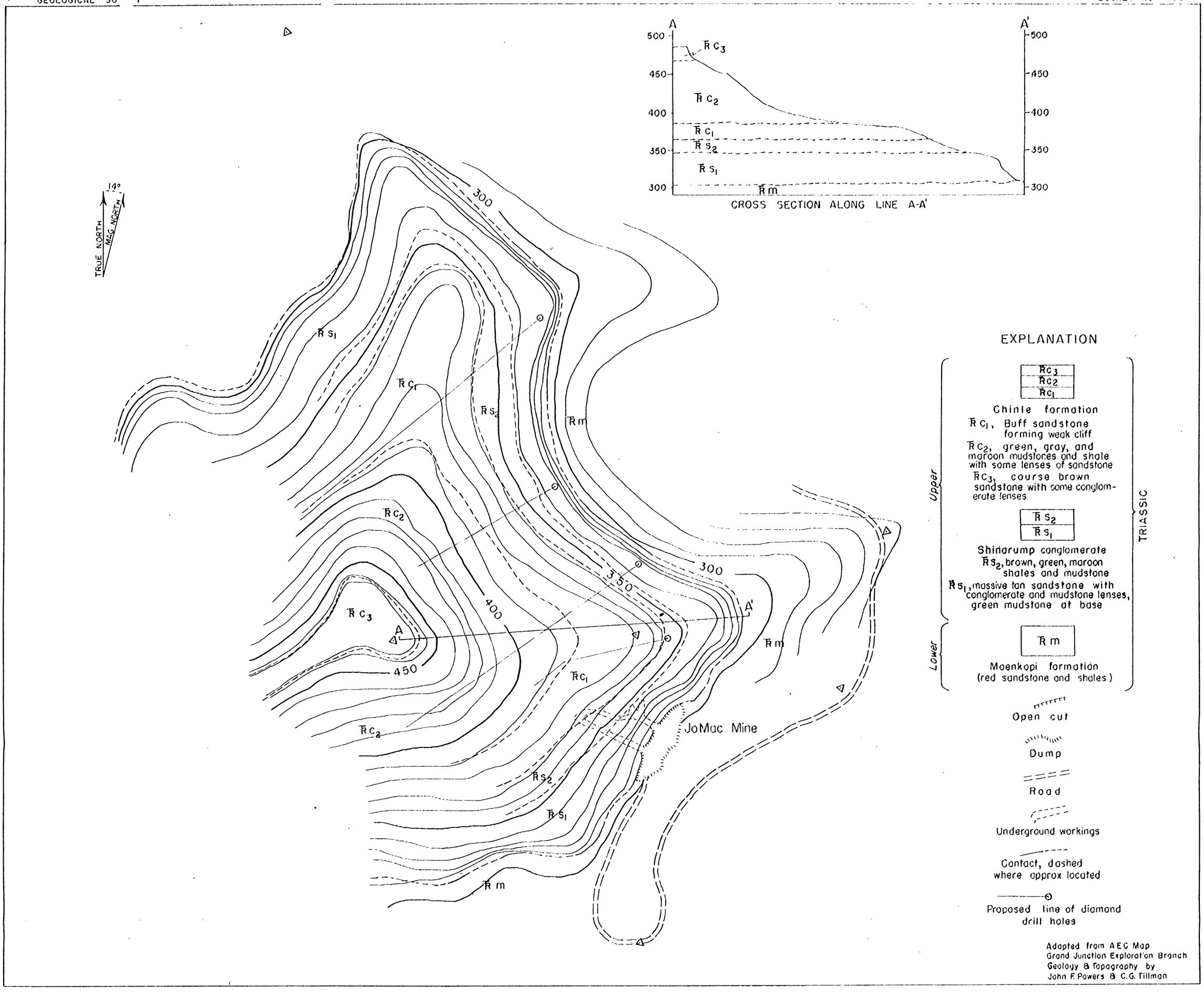
Cost per foot of diamond drilling including preparation of drill sites -	$4.66 -	3,000 feet -	$13,980
Cost per foot of drifting -	$25.35 -	200 feet -	5,070
		TOTAL -	$19,050



U. S. ATOMIC ENERGY COMMISSION
GRAND JUNCTION EXPLORATION BRANCH DIVISION OF RAW MATERIALS
Adopted by U.S. Geological Survey

FIG. 4A

JO MAC MESA
WHITE CANYON, UTAH



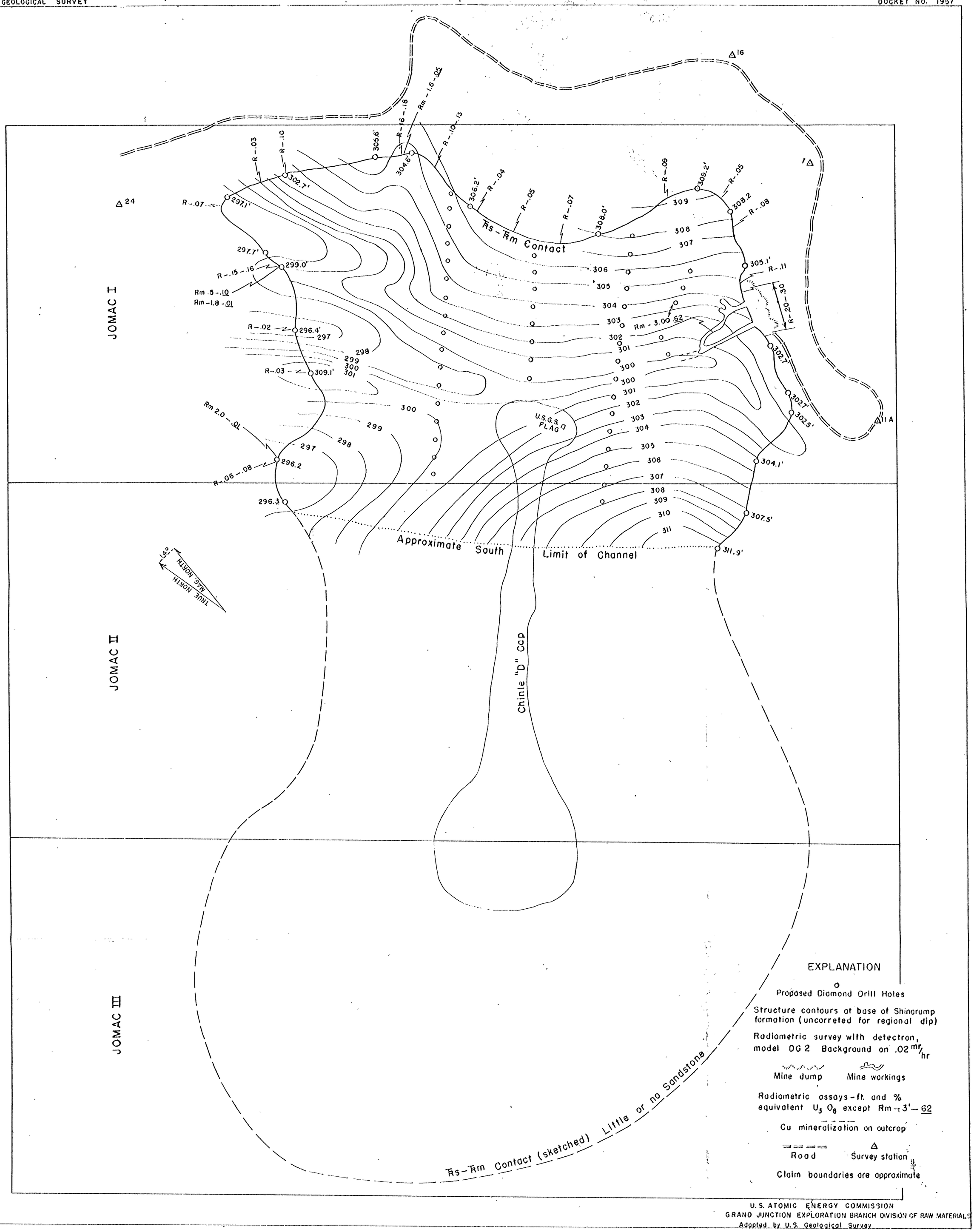
GEOLOGIC MAP OF JOMAC MESA

WHITE CANYON, UTAH

Datum Assumed

0 100 200 300 FEET

Scale



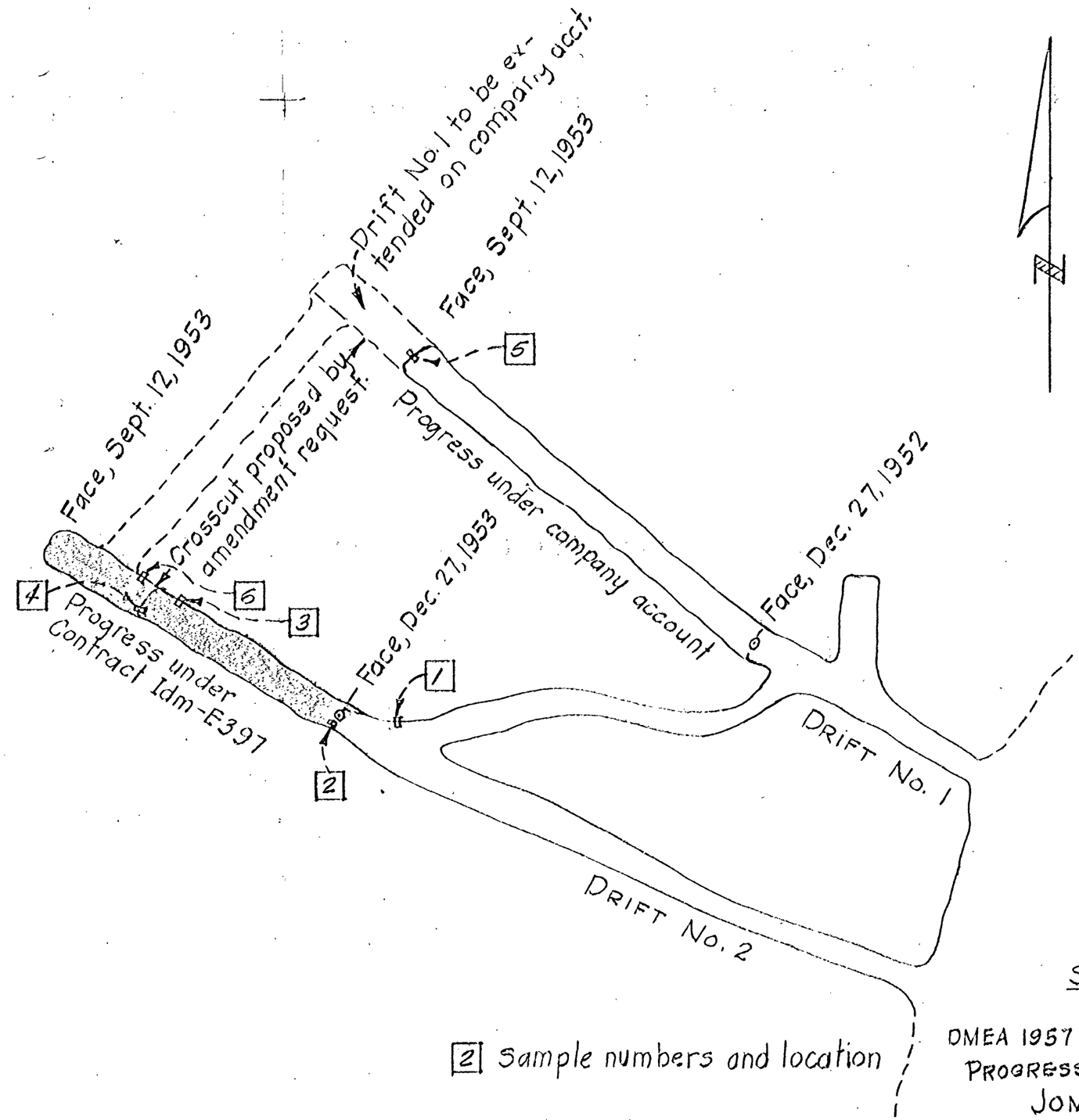
U. S. ATOMIC ENERGY COMMISSION
GRAND JUNCTION EXPLORATION BRANCH DIVISION OF RAW MATERIALS
Adopted by U.S. Geological Survey

FIG. 4A

JO MAC MESA

WHITE CANYON, UTAH

0 100 200 FT
SCALE



SCALE:- 1" = 20'

2 Sample numbers and location

DMEA 1957 CONTRACT Idm-E397
PROGRESS SKETCH MAP
JOMAC MINE
ELLIHILL MINING COMPANY
SAN JUAN COUNTY, UTAH
SEPT 24, 1953 H.K.T.