Official file

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

DMEA COPY DMEA RECEIVED 25 1957		
DATE	INITIALS	CODE
1-25	C	220
		140
1-25		700

224 New Customhouse
Denver 2, Colorado

January 22, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division (Sec. 29, T. 13 N., R. 9 W.) McKinley County, New Mexico - FINAL PAYMENT

Enclosed are two copies of a memorandum to T. A. Christensen, dated January 18, 1957, relative to final payment under the terms of the subject contract.

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures

JP

cc: Shaw (2)
MF-104 File E933
Chron.

Official File

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

~~SAME~~ COPY DMEA RECEIVED 25 1957		
DATE	INITIALS	CODE

224 New Customhouse
Denver 2, Colorado

January 18, 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3989 (Uranium), Contract No. Idm-E933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division (Sec. 29, T 13 N, R 9 W), McKinley County, New Mexico - FINAL PAYMENT

Reference is made to our memorandum of December 5, 1956, whereby we transmitted the final form MF-104, Operator's Monthly Report and Voucher, for the month of October, 1956, and requested that you withhold the amount of $500.00 from reimbursement to the Operator pending resolution of matters prerequisite to closing the account.

The Operator's final report has been received, therefore we recommend that final payment to the Operator be made on the following basis, which is in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, dated January 9, 1957.

Basis for Final Payment

Total accepted cost ----------	$62,452.13
Government participation at 75% ------	46,839.10
Total prior payments ----------	46,340.29
Balance due the Operator ----------	$ 498.81.

Original signed by
W. M. TRAVER

W. M. Traver

JDC:prl

cc: Chairman, Op. Comm. (2)
Marshman
Shaw (2)
Townsend
Corres. E933
MF-104 file E933
Chron.

#498.81
1/31/57 DMA 57-79

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

Budget Bureau No. 42-R1036.5

RECEIVED DEC 20 1956 U.M.E.A.

FINAL REPORT

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

~~Month of~~ December 1956 Docket No. DMEA 3989 Contract No. Idm - E 933

Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium

Address P.O. Box 250 - Pocatello, Idaho

Contract Amount, $ 91,908.00 Government Participation: 75 % Amount, $ 91,908.00

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		51,598.16	51,598.16			
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		147.00	147.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Incidental - 0.18/ft.		10,752.48	10,752.48			
TOTALS		62,497.64	62,497.64			

Remove and replace with the final report which is included in the Operator's final report, Folder #1 ??

gla

DMEA
DEPARTMENT OF THE INTERIOR
DEC 14 1956
REGION III
DENVER, COLORADO

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

Date 12/7/56 *Payee Food Mach. & Chem. Corp. Westvaco Mineral Products Div.

Per R. J. Hayden Title Project Engineer

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

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

(Instructions on reverse)

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

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

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 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

FINAL REPORT

Month of December 7 1956 Docket No. DMEA 3989 Contract No. Idm-E 933

Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium

Address P.O. Box 250 - Pocatello, Idaho

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	per'			7,115.50	2033	3.50	2415	3.50
~~Chem~~ Plug bit	per'			44,482.66	57703	0.771	57390	1.25
~~Auger~~ Incidental	per'			10,752.48	59736	0.18	59805	0.18
Stripping								
Trenching								
~~Test Pits~~ Analysis/sample				147.00	42	3.50	130	3.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS				62,497.64				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								91,908.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				62,497.64				

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

Date 12/7/56 Operator Food Mach. & Chem. Corp. Westvaco Mineral Products

Per R. J. Hayden Title Project Engineer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

DMEA
DEPARTMENT OF THE INTERIOR
DEC 14 1956
REGION III
DENVER, COLORADO

INSTRUCTIONS.

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

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

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

GPO 872894

12-14-56

FINAL DISTRIBUTION

MADE DEC 11 1956

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

Administrative Audit Difference Statement

Food Machinery & Chemical Corporation
161 E. 42nd Street,
New York 17, N. Y.

Date: November 7, 1956
Payee's
Reference: October 1956

Gentlemen:

DMEA-3989

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

Amount Claimed $ 7,957.3[illegible]

Difference $ 45.50

Amount Approved $ 7,911.3[illegible]

The reason for the difference was due to:

$45.50 withheld in September 1956, report herewith reinstated.

$500.00 withheld pending resolution of matters pertaining to closing the account.

RECEIVED DEC 13 1956 D.M.E.A.

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

Very sincerely yours,

Randel B. Cooper
Fiscal Officer, Region III

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

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

224 New Customhouse
Denver 2, Colorado

December 5, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division (Sec. 39, T13N, R9W) McKinley County, New Mexico - Operator's Monthly Progress Report for the month of October, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Reinstate the amount of $45.50, the cost of 13 sample analyses at $3.50 per sample, which was disallowed from the September, 1956 voucher. Assay certificate for the 13 samples has been received and is attached to this report.

Withhold an amount of $500.00 pending resolution of matters relative to closing the account. The contract work has been completed.

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

Amount reported on Form MF-104 for Oct., 1956 - - -	$7,967.84
Amount to be reinstated - - - - - - - - - - - - - - - - - -	45.50
Total accepted cost -	$8,013.34
Government participation at 75 percent - - - - - - - - -	$6,010.00
Amount to be withheld - - - - - - - - - - - - - - - - - -	500.00
Recommended payment to the Operator - - - - - - - - -	$5,510.00

Remarks

Date of Report - - - - - - - - - - - November 7, 1956
Date Received in Field Office - - November 15, 1956
Date Received in Region Office - -November 28, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy
cc: MF-104 File E933
Chm. Op. Comm. (2)
Shaw (2)
Harshman)
Townsend) w/copy of engr's. report
Chron.

REGION III

Memorandum

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

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

DMEA
DEPARTMENT OF THE INTERIOR
NOV 28 1956
REGION III
DENVER, COLORADO

From: D. E. Redmon

Subject: DMEA Docket 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corp., (Westvaco Mineral Products Division, Sec. 29, T. 13 N., R. 9 W., NMPM) McKinley County, New Mexico. --Progress report for October 1956.

An inspection of progress of part 2 of stage II was made November 7, 1956, by D. E. Redmon, Bureau of Mines accompanied by R. J. Hayden, project engineer and W. S. Cavender, geologist.

Stewart Bros., and Parker Drilling Company logs show 8370 feet of drilling in 23 holes, of which 13 feet is disallowed for penetration of the underlying Entrada sandstone more than 10 feet. The driller's logs show 350 feet of core drilling but Contract Idm-E933 does not provide for core drilling in stage II so the cost of 8357 feet is approved at noncore rate.

Hole depths and disallowances, as listed in the operator's narrative report, have been checked and are correct.

Allowed October costs are as follows:

*Noncore (plug-bit) drilling--8357 feet at $0.769/ft.	$6,425.08
Incidental allowance, 8357 feet at $0.18/ft.	1,504.26
11 chemical analyses at $3.50 each	38.50
Total	$7,967.84

*Actual payment by the operator and includes the 2 percent New Mexico School Tax. Payment is less than contract allowed unit rate.

It is recommended that 75 percent of the total costs or $5975.88 be approved for payment.

Completed stage II drilling:

Stage II nonmore footage (58 feet transferred to stage I)	15,942 feet
Nonmore drilling reported	15,873 feet
Not used	69 feet

Of the 23 holes drilled in October, 9 have material of ore grade, 6 show uranium mineralization, and 8 are barren.

A suitable amount should be withheld pending receipt of a final report.

The drilling contractor's logs, and the radiometric and geologic logs are being retained in this office.

D. E. Redman
D. E. Redman
Mining Engineer

DER:sh
Enc.
cc: 6
Idm_8933
Chron

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

Budget Bureau No. 42-R1036.5

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

Month of October, 1956 Docket No. DMEA 3989 Contract No. Idm-E 933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium
Address P.O. Box 250 - Pocatello, Idaho
Contract Amount, $ 91908.00 Government Participation: 75 % Amount, $

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	6425.08	45173.08	51598.16			
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	38.50	108.50	147.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Incidental - 0.18/ft.	1504.26	9248.22	10752.48			
TOTALS	7,967.84	54,529.80	62,497.64	8013.34	54,448.04	62,661.38
					207.64	207.66

RECEIVED DEC 15 1956

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 11/7/56 *Payee Food Mach. & Chem. Corp. Westvaco Mineral Products
Per R. J. Hayden Title Project Engineer

*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: 54 440.38 62 453.72

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

$ 500.00 withheld

(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. E-933 in accordance with the terms of the contract.

Signature A. E. Redman @ 5975.88 Title Mine Engr. Date Nov. 22, '56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature for W. M. Tower Title Executive Officer Date DEC 5 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1956 Docket No. DMEA 3989 Contract No. Idm-E 933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium
Address P.O. Box 250, Pocatello, Idaho

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	per'	0.00	0	7115.50	2033	3.50	2415	3.50
~~Chn~~ Plug bit	per'	6425.08	8357	44482.66	57703	0.771	57390	1.25
~~Auger~~ Incidental	per'	1504.26	8357	10752.48	59736	0.18	59805	0.18
Stripping								
Trenching								
~~Test Pits~~ Analysis/sample		38.50	11	147.00	42	3.50	130	3.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS		7,967.84		62,497.64				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								91,908.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 11/7/56 Operator Food Mach. & Chem. Corp. Westvaco Mineral Products

Per R. J. Hayden Title Project Engineer

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) D. E. Redinger

INSTRUCTIONS

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

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

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

GPO 872894

November 5, 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Building 20,
Denver Federal Center
Denver 2, Colorado

Re: Progress Report - October, 1956
Docket No. DMEA 3989 (Uranium)
Contract Idm-E 933
Food Machinery & Chemical Corp.
Westvaco Mineral Products Div.
Section 29, T. 13 N., R. 9 W.
McKinley County, New Mexico

Dear Sir:

During the month of October, the second portion of drilling of the Second Stage was completed. Twenty-six holes were drilled (23 under DMEA) and logged radiometrically and geologically. All samples were labelled and stored. In each hole, the Todilto limestone was cored at Westvaco expense if the cuttings showed any radioactivity. For hole data, see the accompanying map and drill logs. Detailed descriptions of the cores are shown on the inset sheets.

The completed DMEA holes are:

Hole Co-ordinates	Total Depth	Mineralization	DMEA Disallowance
1650 - 2400	305	O	2
1500 - 2800	290	M	0
1500 - 2700	295	B	3
1500 - 2500	280	B	0
1600 - 2800	305	M	1
1700 - 2700	320	B	0
1700 - 2500	320	O	0
1800 - 2300	340	O	3
1900 - 2500	335	M	0
2050 - 2300	361	O	0
2050 - 2400	361	B	0
1950 - 2400	340	O	1
2200 - 2300	371	M	0
2200 - 2400	360	M	2
2500 - 2400	385	B	0
2500 - 2350	392	O	0

Hole Co-ordinates	Total Depth	Mineralization	DMEA Disallowance
2700 - 2400	407	O	0
3000 - 2300	435	B	0
3000 - 2100	425	B	0
3100 - 2000	440	B	0
3100 - 2300	430	O	1
3200 - 2200	436	M	0
3300 - 2100	437	O	0
	8,370		13

Total allowable DMEA footage - 8,357

Westvaco holes are:

Hole Co-ordinates	Total Depth	Mineralization
2100 - 2100	360	B
2200 - 2200	360	SM
2350 - 2300	375	SM
	1,095	

Of the 23 DMEA holes, 9 are in ore, 6 are mineralized, and 8 are barren.

During the month, 8357 allowable feet were drilled, bringing the total for the Second Stage to 15,873 feet. Under the contract, 16,000 feet, minus any trasferred footage, was authorized. As stated in the DMEA letter of August 27, 1956, 58 feet was transferred to Stage One, leaving a net of 15,942 feet. Therefore, 8357 feet will be entered for reimbursement on the accompanying forms, 104 and 104A. Because of the DMEA stipulation that no hole be initiated unless sufficient footage was available, a net remainder of 69 feet was not utilized.

Drilling results tend to indicate that the southern ore body becomes weak as it extends to the southeast. However, a study of the drill pattern reveals that the southwestern boundary is still undefined. The northern ore body is also undefined on its northern and eastern edges. Additional drilling will be done at Westvaco expense in an attempt to delineate these deposits.

As of this report, the drilling under the DMEA contract has been completed. In the near future, the final report for this project will be submitted to the DMEA.

Respectfully submitted,

R. J. Hayden

R. J. Hayden, Project Engineer
Food Machinery & Chem. Corp.
Westvaco Mineral Products Div.
P. O. Box 250
Pocatello, Idaho

RJH:mdc

STATEMENT

DATE November 6, 1956 19

NAME Westvaco Mineral Products

ADDRESS Box 24, Star Route

Grants, New Mexico

In Account With

Stewart Bros. & Parker

Drilling Company

Phone AT 7-4416 P. O. Box 154

GRANTS, NEW MEXICO

	Amount
Exploration drilling on Section 29, DMEA during October, 1956 as follows:	
8,148 feet @ 75¢ per foot	$6,111.00
209 feet @ 90¢ per foot	188.10
	$6,299.10
2% New Mexico School Tax	125.98
TOTAL	$6,425.08

THANKS

STEWART BROS. & PARKER DRILLING CO.

By H. M. Stewart

H. M. Stewart, Partner

Grants Assay Office and Laboratories

ASSAY CERTIFICATE

GRANTS, NEW MEXICO Sept 12 1956

Sample No.	U3O8	V2O5	Lime	Copper	Pb	Zn	OTHER	OTHER
13266	0.208	3000-2200			379-380'			
13272	0.426	3000-2200			387-388'			
13273	0.578	3000-2200			388-389'			
13274	0.390	3000-2200			389-390'			
13275	0.796	3000-2200			390-391'			
13278	0.244	3000-2200			393-394'			
13 29[illegible]	0.174	1600-2700			282.7-283.7'			
13561	0.216	2800-2200			384-385'			
13567	0.706	2800-2200			390-391'			
13570	0.156	2800-2200			393-394'			
13573	0.178	1750-2400			300-301'			
13582	0.168	3100-2200			417-418'			
13583	0.226	3100-2200			418-419'			

Grants Assay Office and Laboratories

ASSAY CERTIFICATE

GRANTS, NEW MEXICO Oct 8 1956

Sample No.	U3O8	V2O8	Lime	Copper	Pb	Zn	OTHER	OTHER
13586	0.296	3100 - 2100			401-402'			
13588	0.211	3100 - 2100			403-404'			
13591	0.976	3100 - 2100			406-407'			
13596	0.125	3100 - 2100			411-412'			
14501	0.145	1850 - 2400			316-317'			
14502	0.248	1850 - 2400			317-318'			
14503	0.188	1850 - 2400			318-319'			
14504	0.358	1850 - 2400			319-320'			
14509	0.212	2700 - 2300			376-377'			
14514	0.224	2700 - 2300			382.6 - 383.6			
14519	0.139	2050 - 2300			325-326			

High Vanadium

Chemist

RECEIVED
DEC 13 1951

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

Administrative Audit Difference Statement

Dead Lockbury & Chemical Corporation
161 East 42nd Street,
New York 17, New York

Date: September 24, 1956
Payee's Reference: August 1956

FINAL DISTRIBUTION MADE SEP 24 1956

Gentlemen:

DMEA-3989

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

Amount Claimed $ 1,352.22

Difference $

Amount Approved $ 1,352.22

The reason for the difference was due to:

Deduction $300.00 which was withheld from the July 1956 voucher.

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

RECEIVED
SEP 26 1956

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

224 New Customhouse
Denver 2, Colorado

September 21, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division (Sec. 29, T13N, R9W) McKinley County, New Mexico - Operator's Monthly Progress Report for the month of August, 1956

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

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

Reinstate: the amount of $500.00 which was withheld from the July, 1956 voucher. Stage II work has been approved and project drilling is in progress.

Reconciliation with Amount Reported by the Operator on Form MF-104 for August, 1956

Amount reported -	$1,352.11
Government participation at 75 percent- - - - - - - -	1,014.08
Amount to be reinstated- - - - - - - - - - - - - - - - - -	500.00
Recommended payment to Operator	$1,514.08

Remarks

Date of Report - - - - - - - - - - - - - September 5, 1956
Date Received in Field Office- - - - September 13, 1956
Date Received in Region Office- - - September 19, 1956

W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy

cc: MF-104 File E933
Sec. Op. Comm. (2)
Shaw (2)
Harshman)
Townsend) w/copy engr's report
Chron.

DMEA
DEPARTMENT OF THE INTERIOR

SEP 19 1956
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
September 18, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw J.S. by ASA
Supervising Mining Engineer

From: W. D. McMillan

Subject: DMEA Docket 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corporation, Westvaco Minerals Products Company, Sec. 29, T. 13 N., R. 9 W., NMPM, McKinley County, New Mexico -- Progress report for August 1956

An inspection of progress of Stage II was made on September 5, 1956, accompanied by Russel J. Hayden, Project engineer for the applicant.

Stewart Bros. and Parker Drilling Co., logs show 1244 feet of plug-bit and 180 feet of core-bit drilling, or a total of 1424 feet. Contract Idm-E933 does not provide for core-bit drilling and the cost of 1424 feet of drilling is approved at plug-bit rates.

Approved costs are for 1424 feet of plug-bit drilling for which the operator paid $1095.79 (including the 2% New Mexico School Tax) and 1424 feet, at $0.18 a foot for incidentals, or $256.32, or a total of $1352.11.

It is recommended that 75 percent of the total approved costs amounting to a total of $1014.08 be approved for payment.

The narrative report and accompaning location maps, geologic and radiometric logs are adequate. Core-bit drilling was done with BX bits. Uranium ore grade material was found in one hole, slight mineralization in two holes, and barren material in one hole. The copies of the drilling contractor's logs are being retained in this office.

W. D. McMillan
W. D. McMillan
Mining Engineer

WDM/mw
cc: 6
Idm-E933

Chron

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

Budget Bureau No. 42-R1036.5

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

Month of August, 1956 Docket No. DMEA 3909 Contract No. Dan E 933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium
Address Box 250 Pocatello Idaho
Contract Amount, $ 91908.00 Government Participation: 75 % Amount, $

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	1095.79	39512.19	40607.20			
Bulldozing						
Crosscutting	Total to Date is adjusted for 172 ft. of non-core disallowances at 0.772 per ft.					
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	00.00	63.00	63.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Incidental-0.18/ft.	256.32	7926.30	8151.66			
	Total to Date adjusted for 172 ft. disallowance at 0.18 per ft.					
TOTALS	1352.11	47531.49	48719.86	1352.11	47,531.49	48,719.86
				4 -	207.66	207.66
					47,323.83	48,512.20
					$1514.08	

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 9/5/56 *Payee Food Mach. & Chem. Corp. Westvaco Min. Prod. Div.
By Russell J. Hayden Project Engineer

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

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

(Instructions on reverse)

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

Signature (Authorized Certifying Officer)
Date 9/24/56 Vou. No. LMA 57-28
(See other side)

RECEIVED SEP 26 1956

2 Previous Disallowance

(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. Tolm-E 93 in accordance with the terms of the contract.

Signature Wm C Mellon (A 1014.08) Title Min. Engr. Date 9/17/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature W. M. Davey Title Executive Officer Date SEP 21 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1956 Docket No. DMEA 3989 Contract No. Ida E 933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min Prod.) Minerals Uranium
Address Box 250 Pocatello Idaho

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	per '	00.00	0	7115.50	2033	3.50	2415	3.50
~~sample~~plug bit	per '	1095.79	1424	33389.70	42254	0.772	57390	1.25
~~xxxx~~ incidental	1/'	256.32	1424	8151.66	44287	0.18		0.18
Stripping								
Trenching								
~~xxxxxxx~~Analysis/sample		00	0	63.00	18	3.50	80	3.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1352.11		48719.86				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								91908.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 9/5/56 Operator Food Mach. & Chem. Corp. Westvaco Min. Prod. Div.

By Russell J. Hayden Title Project Engineer

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

(Instructions on reverse)

REMARKS: Adjusted for 172 ft. of non-core disallowances at 0.772 per ft. and 0.18 incidental.

(For Government use only) Wm E Mellan

RECEIVED
SEP 26 1956

INSTRUCTIONS

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

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

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

GPO 872894

September 7, 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Building 20, Denver Federal Center
Denver 2, Colorado

Re: Progress Report
Docket No. DMEA 3989 (Uranium)
Contract Idm-E933
Food Machinery & Chem. Corp.
Westvaco Mineral Products Div.
Sec. 29, T. 13 N., R. 9 W.
McKinley County, New Mexico

Dear Sir:

During the month of August second stage drilling began on section 29. Four holes were completed and logged radiometrically and geologically. All samples were labeled and stored. In each hole the ore horizon was cored at the expense of Westvaco. For hole data, see the accompanying map (No. 29-8) and drill logs. Detailed descriptions of the limestone cores are shown on the inset sets.

The completed holes are:

Hole Co-ordinates	Total Depth	Cored Footage	Mineralization
3000-2200	424	50	Ore-grade
2900-2300	418	55	Slight
1600-2500	295	45	Slight
1500-2600	287	30	Barren
Total	1424	180	

Ore was encountered in 3000-2200, an offset hole 100' north of ore hole 2900-2200. Hole 2900-2300, an offset 100' to the east, is slightly mineralized but is significant in that the top of the limestone is 21' lower than it is 100' to the west. This indicates a roll or fault, either of which is a favorable criterion for ore localization.

Holes 1600-2500 and 1500-2600 are 100' offsets from ore hole 1600-2600. 1600-2500 is only slightly mineralized; however, the limestone is considerably thinner than in the ore hole. Available information is not sufficient to determine the type or magnitude of the structure, but the localization of the ore in the thickest limestone closely resembles the mineralized rolls common in adjacent ore bodies.

The scaler assays of samples from hole 3000-2200 are as follows (chemical assays are not yet available):

Footage	Radiometric % U_3O_8
386-387	0.073
387-388	0.383
388-389	0.499
389-390	0.334
390-391	0.610
391-392	0.055
392-393	0.078
393-394	0.225
394-395	0.133
395-396	0.002

Continued drilling of the second stage is planned for the month of September.

Respectfully submitted,

R. J. Hayden

R. J. Hayden, Project Engineer
Food Machinery & Chemical Corporation
Westvaco Mineral Products Division
P. O. Box 250
Pocatello, Idaho

STATEMENT

DATE September 3, 1956 19

NAME Westvaco Mineral Products

ADDRESS Box 24, Star Route

Grants, New Mexico

In Account With

Stewart Bros. & Parker

Drilling Company

Phone AT 7-4416 P. O. Box 154

GRANTS, NEW MEXICO

		Amount
Exploration drilling on your Section 29 during August, 1956 as follows:		
1,382 feet plug drilling @ 75¢ per foot	$1,036.50	
42 feet plug drilling @ 90¢ per foot	37.80	
		$1,074.30
2% N. M. School Tax		21.49
TOTAL		$1,095.79

THANKS

STEWART BROS. & PARKER DRILLING CO.

By H. M. Stewart

H. M. Stewart, Partner

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

Administrative Audit Difference Statement

Reed Machinery & Chemical Corporation
161 East 42nd Street
New York 17, New York

Date: ~~October 29, 1956~~
Payee's
Reference: ~~September 1956~~

Gentlemen:

FINAL DISTRIBUTION
MADE NOV 6 1956

DMEA-3989

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

Amount Claimed $ ~~5,809.94~~

Difference $ ~~15.50~~

Amount Approved $ ~~5,794.44~~

The reason for the difference was due to:

Disallow:

15 Chemical Analyses @ 3.50 each 15.50

Assay Certificates were not submitted.

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

RECEIVED 8 1956

224 New Customhouse
Denver 2, Colorado

October 24, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3989 (Uranium) Contract Idm-E933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division (Sec. 29, T13N, R9W) McKinley County, New Mexico - Operator's Monthly Progress Report for the month of September, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Disallow the cost of 13 chemical analyses at $3.50 per sample. Assay certificates were not submitted by the Operator.

Reconciliation with Amount Reported by the Operator on Form MF-104 for September, 1956

Amount reported on Form MF-104 for Sept., 1956 - - -	$5,809.94
Amount to be disallowed, 13 chemical analyses at $3.50 each -	45.50
Total accepted costs for September, 1956	$5,764.44
Government participation at 75 percent	$4,323.33

Remarks

Date of Report - - - - - - - - - - - - - October 2, 1956
Date Received in Field Office- - - - October 12, 1956
Date Received in Region Office- - - October 22, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy
cc: MF-104 File E933
Chm. Op. Comm. (2)
Shaw (2)
Harshman)
Townsend) w/copy engr's report
Chron.

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
October 19, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engr.

From: D. E. Redmon

Subject: DMEA Docket 3989 (Uranium) Contract Ida-5933, Food Machinery and Chemical Corporation, Westvaco Mineral Products Division, Sec. 29, T. 13 N., R. 9 W., N. M. P. M., McKinley County, New Mexico -- Progress report for September 1956

DMEA
DEPARTMENT OF THE INTERIOR
OCT 22 1956
REGION III
DENVER, COLORADO

An inspection of progress of part 1 of Stage II was made October 12, 1956, by W. D. McMillan, Bureau of Mines, accompanied by R. J. Hayden, project engineer for the operator.

Stewart Bros. and Parker Drilling Co. logs show 6119 feet of drilling of which 258 feet is core-bit drilling and 27 feet is disallowed for penetrating the Entrada sandstone more than 10 feet. Contract Ida-5933 does not provide for core-bit drilling so the cost of 6092 feet is approved at plug-bit rate.

Hole depths and disallowances, as listed in the narrative report, have been checked and are correct.

Assay certificates were not included with the MF-104's. It is recommended that payment of 13 chemical assays be disallowed pending receipt of the necessary certificates showing hole distribution and footage interval.

Allowed costs are as follows:

*Plug-bit drilling - 6092 ft. at $0.766	$4667.88
Incidental allowance - 6092 ft. at $0.18 a ft.	1096.56
Total	$5764.44

*This is actual payment by the operator and includes the 2 percent New Mexico school tax. Actual payment is less than contract unit rate.

It is recommended that 75 percent of the total costs or $4323.33 be approved for payment.

The narrative report, location maps, and geologic and radiometric logs are adequate. Uranium ore grade material was found in eight holes (7 feet or more in 3 holes).

Mineralization was found in 3 holes, and seven holes were barren.

The drilling contractor's logs and the radiometric and geologic logs are being retained in this office.

D. E. Redmon
D. E. Redmon
Mining Engineer

DR/mw
cc: 6
IAm-8933
Chron

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

Budget Bureau No. 42-R1036.5

RECEIVED 1956 D.M.E.A.

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

Month of September, 1956 Docket No. DMEA 3989 Contract No. Idm-2933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Products) Minerals Uranium
Address Box 250 Pocatello Idaho
Contract Amount, $ 91908.00 Government Participation: 75 % Amount, $

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:					error in extension	
Drilling	4667.88	40505.20	45173.08		40637.98	45305.86
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	45.50	63.00	108.50			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Incidental-0.18/ft.	1096.56	8151.66	9248.22		8182.62	9279.18
TOTALS	5809.94	48719.86	54529.80	5764.44	48,883.60	44,648.04
				1	297.66	297.66
					48,615.94	44,440.38
					33	54,440.38
					$ 4323	

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

Date 10/2/56 *Payee Food Mach. & Chem. Corp. Westvaco Mineral Products

Per R. J. Hayden - WSC Title Project Engineer

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

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

(Instructions on reverse)

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

Signature
(Authorized Certifying Officer)

Date 10/29/56 Vou. No. 57-51

(See other side)

Previous Disallowance

(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. F933 in accordance with the terms of the contract.

Signature D. E. Redmon #432338 GN Title Min. Engr. Date Oct 19, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Jones Title Executive Officer Date OCT 24 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-1041
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1956 Docket No. DMEA 3989 Contract No. Idm-E933
Operator's Name Food Mach. & Chem. Corp. (Westvaco Min. Prod.) Minerals Uranium
Address Box 250, Pocatello, Idaho

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	per'	00.00	0	7115.50	2033	3.50	2415	3.50
Plug bit	per'	4667.88	6092	38057.58	49346	.771	57390	1.25
Incidental	per'	1096.56	6092	9248.22	51379	.18		0.18
Stripping								
Trenching								
Analysis/sample		45.50	13	108.50	28	3.50	80	3.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5809.94		54529.80				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								91908.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 10/2/56 Operator Food. Mach. & Chem. Corp. Westvaco Mineral Products

Per R. V. Hayden WJC Title Project Engineer

REMARKS: On the August sheet, under "Units to Date" -- plug bit should read 43254, and incidental should read 45287.

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

(Instructions on reverse)

(For Government use only) D. E. Redmon

INSTRUCTIONS

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

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

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

GPO 872894

October 1, 1956

Mr. John F. Shaw
U. S. Bureau of Mines
Room 137, Building 20, Denver Federal Center
Denver 2, Colorado

Re: Progress Report - September
Docket No. DMEA 3989 (Uranium)
Contract Idm-E933
Food Machinery & Chem. Corp.
Westvaco Mineral Products Div.
Sec. 29, T. 13 N., R. 9 W.
McKinley County, New Mexico

Dear Sir:

During the month of September the first portion of second stage drilling was completed. Eighteen holes were drilled and logged radiometrically and geologically. All samples were labeled and stored. In each hole the Todilto ore horizon was cored at Westvaco expense. For hole data see the accompanying map and drill logs. Detailed descriptions of the limestone cores are shown on the inset sheets.

The completed holes are: (* indicates ore thickness is seven feet or more)

Hole Co-ordinates	Total Depth	Cored Footage	Mineralization	DMEA Disallowance
1400-1950	265	--	Barren	2
1300-2050	260	--	Barren	1
1500-2050	280	5	Mineralized	2
1900-2100	326	--	Barren	--
2500-2100	377	10	Barren	--
2900-2100	410	10	Barren	--
1400-2150	265	10	Ore	--
1800-2200	325	10	Ore	--
2000-2200	340	20	Ore	--
2400-2200	377	10	Mineralization	--
2600-2200	390	10	Barren	1
2800-2200	410	50	Ore*	--
3100-2200	429	20	Ore*	--
1900-2300	335	13	Ore	--
2500-2300	395	20	St. Mineralization	19
1750-2400	320	20	Ore*	--
1700-2600	315	20	Barren	2
1600-2700	300	30	Ore	--
	6119	258		27

18 holes

Total allowable DMEA footage - 6092

Westvaco holes are:

Hole Co-ordinates	Total Depth	Cored Footage	Mineralization
3200-2000	434	10	Barren
3300-2000	445	20	St. Mineralization
3100-2100	434	30	Ore*
3200-2100	429	20	St. Mineralization
2700-2300	401	25	Ore*
2800-2300	439	--	Ore
1850-2400	336	20	Ore*

Of the 18 DMEA holes, 8 are in ore, 3 are mineralized, and 7 are barren. Westvaco holes show 4 in ore, 2 mineralized, and 1 barren.

Drilled on 100 ft. spacings, the holes indicate the presence of two ore bodies, with the possibility that they are connected and actually one elongate deposit. Due to the spacings and insufficient drilling, ore tonnages cannot yet be accurately calculated. It is hoped that the remainder of the second stage drilling will provide enough additional information to allow reserve estimations.

As previously noted, Westvaco drilled 7 holes at company expense in order to better evaluate certain areas and establish a more reliable basis for locating future holes.

Geologic interpretations are limited due to insufficient information. To date, the only notable feature located is the roll or fault structure discussed in the August report.

The proposal for the remaining portion of second stage drilling has been submitted for approval.

Respectfully submitted,

R V Hayden ewc

R. J. Hayden, Project Engineer
Food Machinery & Chem. Corp.
Westvaco Mineral Prod. Div.
P. O. Box 250
Pocatello, Idaho

RJH/ac

STATEMENT

DATE September 30, 1956 19

NAME Westvaco Mineral Products

ADDRESS Box 24, Star Route

Grant s, New Mexico

In Account With

Stewart Bros. & Parker

Drilling Company

Phone AT 7-4416 P. O. Box 154

GRANTS, NEW MEXICO

		Amount
Exploration drilling on Section 29, September, 1956 as follows:		
6,043 feet @ 75¢ per foot	$4,532.25	
49 feet @ 90¢ per foot	44.10	
	$4,576.35	
2% New Mexico School Tax	91.53	
TOTAL		$4,667.88

THANKS

STEWART BROS. & PARKER DRILLING CO.

By H M Stewart

H. M. Stewart, Partner

STATEMENT

FROM Grants Assay Office and Laboratories

P.O. Box 532 Grants New Mexico

October 1 1956

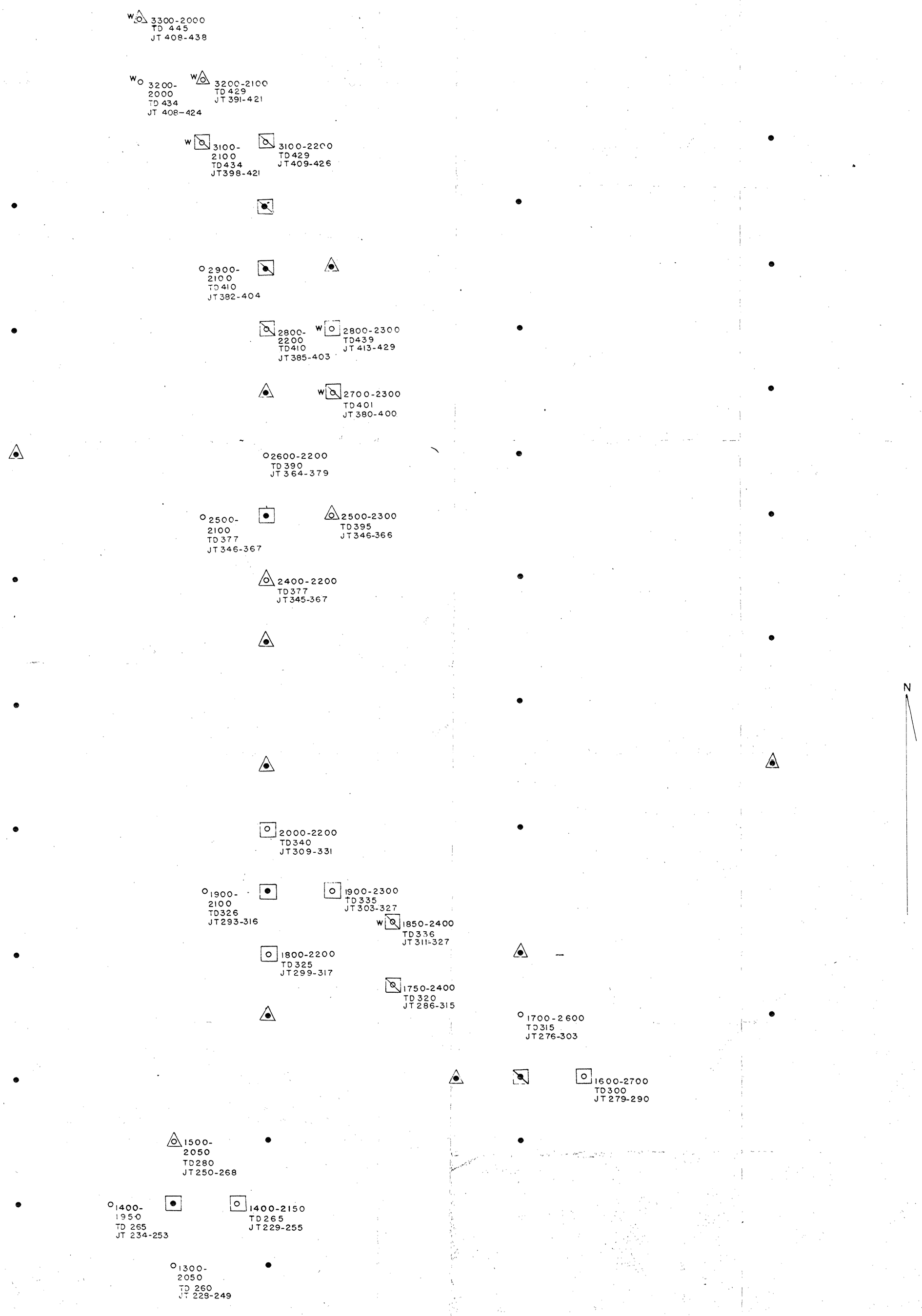
TO Westvaco Mineral Products

ADDRESS Star Rt. Box 24

CITY Grants, New Mexico

TERMS Analytical Work for September, 1956

13	Chemical U_3O_8 Assays @ $3.50 each	$45	50
	Tax	0	91
	Total	$46	41



● PREVIOUS HOLES

○ HOLES DRILLED IN SEPT.—WITH NORTH AND EAST CO-ORDINATES, TOTAL DEPTH, AND DEPTHS TO TOP AND BASE OF TODILTO

ORE OVER 7' THICK

ORE LESS THAN 7' THICK

MINERALIZATION

W WESTVACO HOLE

GRANTS PROJECT
WESTVACO MINERAL PRODUCTS
FOOD MACH. & CHEM. CORP.

PROGRESS MAP-SEPT.,1956

DMEA 3989-SECOND STAGE

S 29, T 13 N, R 9 W

1"=100'

Hole No.	Sec.	Elevation	Page of	Pages	No. Insets	Date	Logged by
1600-2500	29-13-9	6757.48	1	3	1	8/29/56	J.A.R.

Hannum Rig # 12

Dotted line Graphic Assay
Solid Line - Probe

Footage	Formation	Type of Rock	Color	Description	Diagnostic Features	Geologic Contacts	Probe Depth	Probe Reading	Scale	Scaler Interval 100'	Assay	Graphic log	Description	0%	20%	60
0	QAL		Blowsand										QAL			
	JB	SS,	l.gray, f-m grain.										JB			
20																
40																
60																
80																
100																
120	JB? JS?	sh,ss,	red										JB ? JS ?			
140																
160																
180																
200																
220	JS	grn,	wet													
	JSh	red														
240	JSS	brown,	wet													
	JSS.	l.gy,	f grain	see inset for detailed log		core										
260																

Dwg No. 192

Hole No 1600-2500
Section 29-13-9

Hole No.	Sec.	Elevation	Page of	Pages	No. Insets	Date	Logged
1600-2500	27-13-9	6757.48	2	3	1	8/29/56	J.A.R.

Hannum Rig #11

Footage	Formation	Type of Rock	Color	Description	Diagnostic Features	Geiger	Samples Taken	Probe Depth	Probe Reading	Probe Scale	Scaler Foot Interval	Assay	Graphic log	Description
260	Js	ss.	l.gy, f.grain.					THB	1.5	.01				Js
									No count					
	Jt	Ls.	m.gy.	see inset for detailed log				245	1.8	.01				Jt
								246	4	.01				
								247	2	.1				
								248	3	.1				
280								249	2.5	.1				
20								250	1.0	.1				
								251	7	.01				
								252	7	.01				
	Jt							253	12	.01				Jt
	Je	ss.	red, f.grain.											Je
									No count					
								263	6	.01				
300	TD	295'						264	6	.01				
40								265	5	.01			TD.	295'
								266	1.5	.1				
								267	1	.1				
									No count					
								293						
320														
60														
340														
80														
360														
100														
380														
120														
400														
140														
160														
180														
200														
220														
240														
260														

core

Dotted line Graphic Assay
Solid Line - Probe
0% .20% .60

Dwg No. 192

Hole No. 1600-2500
Section 27-13-9

Inset Sheet

Hole No.	Sec.	Page of Pages	Date	Logged by
1600-2500	29-13-9	3 of 3	8/29/56	J.A.R.

Hannum Rig #11

Footage From	Footage To	Formation	Geology Description	Samples
250	254	Js	ss, l. gray, f. grain, argill	
254	261	Js	ss, mottled red & l. gray, f. grain,	
261	268.1	Js	ss, l. gray, some red, argill, f grain.	
268.1	268.9	Jn	Ls, m. gray, 60 % re-xtall., small black vein (ore?)	
268.9	270	Js	ss, l. gray, f. grain, lumpy streaks of orange red sand, v. calcar, small lenses of ls.	
270	273	Jn	Ls, m. gray, 80-90 % re-xtall., v. aren. in top 3", v. argill., much red sh & sand, vert. fract., wavy bedding.	
273	273.8	Jn	Ls, m. gray, 30% re-xtall, s. aren.	
273.8	275	Jn	Ls, m. gray, " , s. aren., crenulated bedding, shale between bedding planes.	
275	287.3	Jn	Ls, m. brown-gray, 20-30 % re-xtall, few thin lenses of sh, vertical fract., s. aren.	
287.3	287.8	Je	ss, purple, f. grain.	
287.8	296.3	Je	ss, mottled red, orange, & gray, f. grain.	
296.3	295	Je	ss, red, f. grain.	

Drawing No. 793

Hole No	Sec	Elevation	Page of	Pages	No Insets	Date	Logged by
3000-2200	29-13-9	6834'	1	3	1	8/29/56	J.H.R.

Geology

Taylor Rig #7

Description

Probe: Scaler

Dotted line Graphic Assay
Solid Line - Probe
0% 20% .60

0 — QAL Blowsand

20

40 — QAL / JB ss. lgy, f-grain

60

80

100

120

140

160 — JB? / Js? sh red

180

200

220

240

260

Hole No. 3000-2200
Section 29-13-9

Hole No.	Sec	Elevation	Page of Pages	No Insets	Date	Logged by
3000-2200	29-13-9	6834'	2 / 3	1	8/27/56	J.A.R.

Geology

Taylor Rig #7

Description

Formation: Js, Jr, Jt, Jb

Lithologic Rock: sh, ss

Color: red, green, m-dk. gy., red

Sample Gamma: Epoxy Resin, Chemical, Geiger, Taken

Probe Reading / Scaler Interval / Assay

Depth	Reading	Scale
THB	1.5	.01
↓	NO COUNT	
368	4.0	.01
369	4.4	.01
370	9.0	.01
371	8.0	.01
372	5.0	.1
372.5	6.0	.1
373	6.5	.1
373.5	6.0	.1
374	7.0	.1
374.5	7.0	.1
375	9.0	.1
375.5	8.0	.1
376	6.0	.1
376.5	7.0	.1
377	2.0	.1
377.5	3.1	.1
378	8.0	.01
378.5	7.0	.01
379	7.0	.01
380	5.0	.01
381	2.0	.1
381.5	5.0	.1
382	3.5	1.0
382.5	4.0	1.0
383	3.5	1.0
383.5	3.7	1.0
384	5.5	1.0
384.5	off scale	
385	8.5	1.0
385.5	2.5	1.0
386	1.0	1.0
386.5	3.0	.1
387	4.0	.1
387.5	5.0	.1
388	6.0	.1
388.5	5.0	.1
389	7.5	.1
390	5.5	.1
390.5	2.0	.1
391	4.0	.01
392	4.5	.01
393	1.5	.01
394	1.5	.01
395	2.0	.01
396	7.0	.01
397	1.5	.1
398	5.0	.01
399	2.5	.01
↓	NO COUNT	
415		

.334 – .610

Graphic Log: Js, Jr, Jt, Jb, TD 424'

Description: Dotted line Graphic Assay, Solid Line - Probe (0% – .20% – .60)

Js — sh green

Jr — ls, m-dk. gy.

see inset for detailed log.

Jt — ss. red, f. grain

TD 427

Inset Sheet

Hole No.	Sec.	Page of Pages	Date	Logged by
3000-2200	29-13-9	3 of 3	8/29/56	J.H.R.

Taylor Rig #7

Footage From	Footage To	Formation	Geology: Description	Samples
374	376		core lost	
376	378.9	Js	shale, green, aren, lime lenses in bottom 6"	
378.9	379.7	Js	ss, l. gray, f. grain, v. calcar, argill., lenses of green shale	
379.7	383	Jr	ls, m-dk. gray, 70% re-xtall., thin lenses of black shale.	
383	392	Jr	ls, m-dk. gray, v. aren., much green shale + l. gray sand.,	
392	404	Jr	Ls, m-dk. gray, 80% re-xtall, black shale along few slippage planes, carnotite at 400', large calcite xtls. at 403.1	
404	404.6		core lost	
404.6	405	Jr	Ls, dk. gray, 70% re-xtall., lenses of black shale, s. aren.	
405	405.8	Jr	Ls, m-dk. gray, 70% re-xtallized, crenulated bedding, lenses of brown-black shale.	
405.8	419.3	Jr	Ls, m-dk. gray, 30% re-xtall., s. aren, many lenses of brown-black shale, some vertical fracture, zones of lattice struct. calcite at 410.5, 411.2, 415, 415.5'	
414	415		core lost.	
419.1	419.3	JE	SS, purple, f. grain.	
419.3	424	JE	SS, red, orange, + gray, f. grain.	

Drawing No. 793

Hole No	Sec	Elevation	Page of	Pages	No. Insets	Date	Logged by
1500-2600	29-13-9	6750.8	1	3	1	8/31/56	J.H.R.

Geology — Hannum Rig #11

Elevation	Depth	Lear Rock	Color	Description	Fractures	Core Loss	Core Recovery	Sample	Probe Counts	Probe Reading	Scaler Scale	Scaler Interval 100'	Assay	Graphic Log	Description
0		QAL		Blousand											QAL
20		QAL / JS	SS	Grn, f-m. grain.											QAL / JS
40															
60			SS	Grn f. grain, wet											
		JS? / JS?	Sh	streaks of wet brn ss, wet											JS? / JB?
80															
100															
120															
140															
160			Sh	red											
180															
200															
220															
240			SS	lgy, v. wet.											
260		JS / JT	SS	see inset for detailed log											JS / JT

Dotted line — Graphic Assay; Solid Line - Probe (0% … 20% … 60)

Dwg No 192

Hole No 1500-2600
Section 29-13-9

Hole No.	Sec	Elevation	Page of	Pages	No. Insets	Date	Logged
1500 - 2600	29-13-9	6750.8	2	3	1	8/31/56	J.A.R.

Geology — Hannum Rig #11

Probe — Scaler

Dotted line: Graphic Assay. Solid Line - Probe. 0% .20% .60

Elevation	Formation	Type of Rock	Color	Description	Elev. Cores	Core Recovery	Core Breaks	Core Depth	Reading	Scale	Interval	Assay	Graphic Log	Correlation
260	JT	Ls		see inset for detailed log. 0				THB ↓ 285	1.5	.01				JT
280 20	JT / JE	SS	red, f. grain						NO COUNT					JT / JE
	TD 287												TD	287'
300 40														
320 60														
340 80														
360 100														
380 120														
140														
160														
180														
200														
220														
240														
260														

Dwg No 102

Hole No 1500-2600

Section 29-13-9

Inset Sheet

Hole No.	Sec.	Page of Pages	Date	Logged by
1500-2600	29-13-9	3 3	8/31/56	J.A.R

Footage From	Footage To	Formation	Geology — Description	Samples
			Hannum Rig #11	
257	259.9	Jt	Ls, m-dk. gray, 80% re-xtall, v. calcitic, few shale partings, some black calcite.	
259.9	263	Jt	Ls, " , 40% re-xtall, calcitic, s. aren, many brown shale partings, crenulated bedding.	
263	276.5	Jt	Ls, m-dk. gray, 20% re-xtall, calcitic, many thin shale partings s. aren. Lattice struct calcite at 266.7.	
276.5	277	Je	SS, m-l. gray, f. grain, streaks of purple & orange sand	
277	277.5	Je	SS, purple, gray, green, & orange, f. grain	
277.5	287	Je	SS, red, f. grain	

Drawing No. 793

Hole No	Sec	Elevation	Page of	Pages	No. Insets	Date	Logged
2900-2300	29-13-7	6828'	1	3	1	8/31/56	J.A.R.

Geology — Taylor Rig #7

Description

Probe — Scaler — Assay

Dotted line Graphic Assay
Solid Line - Probe
0% 20% 60

Depth	Formation	Lithologic Rock	Description
0	QAL	Blowsand	
20	QAL		
40	JB	ss.	l. gy, m-f. grain, calcar.
60			
80			
100			
120			
140			
160	JB ? / JS ?	sh	red
180			
200			
220			
240			
260			

Graphic Log: QAL; QAL; JB; JB ? / JS ?

Dwg No 192

Hole No 2900-2300
Section 29-13-7

Hole No.	Sec.	Elevation	Page of Pages	No. Insets	Date	Logged by
2900-2300	29-13-9	6828'	2 / 3	1	8/31/56	J.A.R.

Geology

Taylor Rig #7

Description

Probe

Depth	Reading	Scale
THB	1.5	.01
	No count	
393.5	2	.01
394	7	.01
395	3	.01
396	1.5	.01
400	8	.01
400.5	2	.1
401	9	.01
401.5	2	.1
402	2.5	.1
402.5	6	.1
403	2	.1
403.5	9	.01
404	5	.01
	No count	
409		

Scaler

Assay

Dotted line - Graphic Assay
Solid Line - Probe
0% 20% .60

Sh. green
Sh, red-green
SS (greenish-gy) f-m. grain

Js
Jt Ls, m-dk.gy (see inset for detailed log)

Jt
Jz SS. red, f-m. grain
TD 418'

Js
Jt
Jt
Je, 418'
TD

approx.

Dwg No 1792

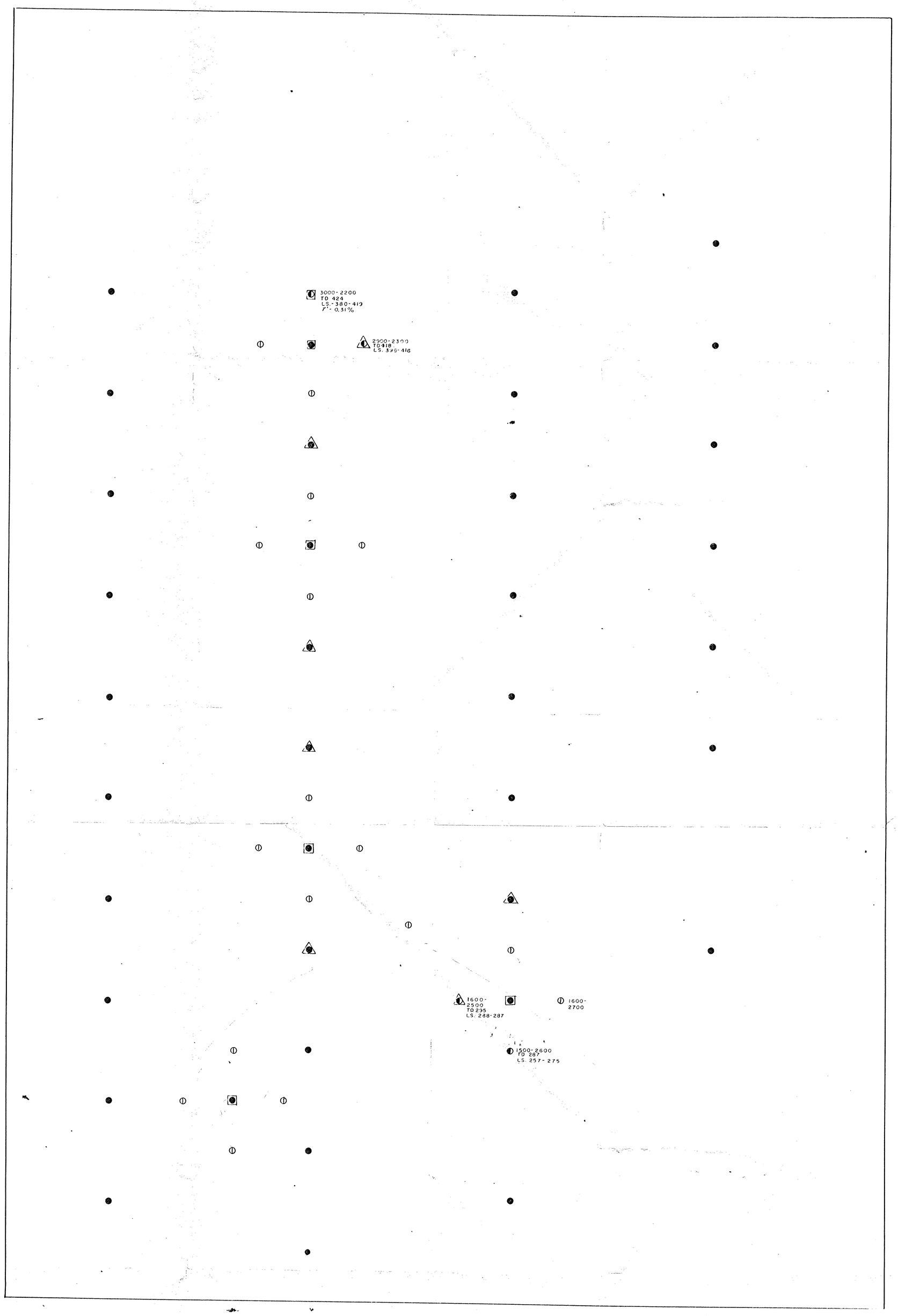
Hole No 2900-2300
Section 29-13-9

Inset Sheet

Hole No.	Sec.	Page of Pages	Date	Logged by
2900 - 2300	29-8-9	3 of 3	29-13-7	JA-R

Footage From	Footage To	Formation	Geology: Description	Samples
			Taylor Rig #7	
363	382.7	Js	ss, red-brown, f. grain, argill., some gray sand.	
382.7	384	Js	ss, l. gray, f. grain	
384	384.1	Js	shale, red-brown	
384.1	387	Js	ss, l. gray, streaks of red, f. grain, argill.	
387	389.7	Js	ss, red-brown, f. grain	
389.7	391.3	Js	ss, red-gray, many streaks of green shale Shale	
391.3	391.5	Js	LS. m. gray	
391.5	393	Js	ss, red-brown, f. grain, argill.	
393	394	Js	core lost	
394	396.2	Js	ss, brown, f. grain	
396.2	399.5	Js	ss, gray-green, f. grain, v. calcar., argill.	
399.5	403	Jr	LS., m-dk. gray, 80% re-Xtall, v. calcitic, many black sh. partings; fract. & re-xtall. zone at 401.7	
403	408		core lost	
408	416.1	Jr	LS, dk-m. gray, 20% re-xtall, many black sh. partings, calcitic, thin steeply dipping black vein in bott. 3" (core)	
416.1	417	JE	ss, purple-red, f. grain	
417	418	JE	ss, l. gray, streaks of yellow, f. grain	

Drawing No. 793



LEGEND

- FIRST STAGE DRILL HOLES
- COMPLETED SECOND STAGE HOLES
- SECOND STAGE HOLES TO BE DRILLED
- MINERALIZED HOLES
- ORE HOLES (0.20 %)
- ○

V90

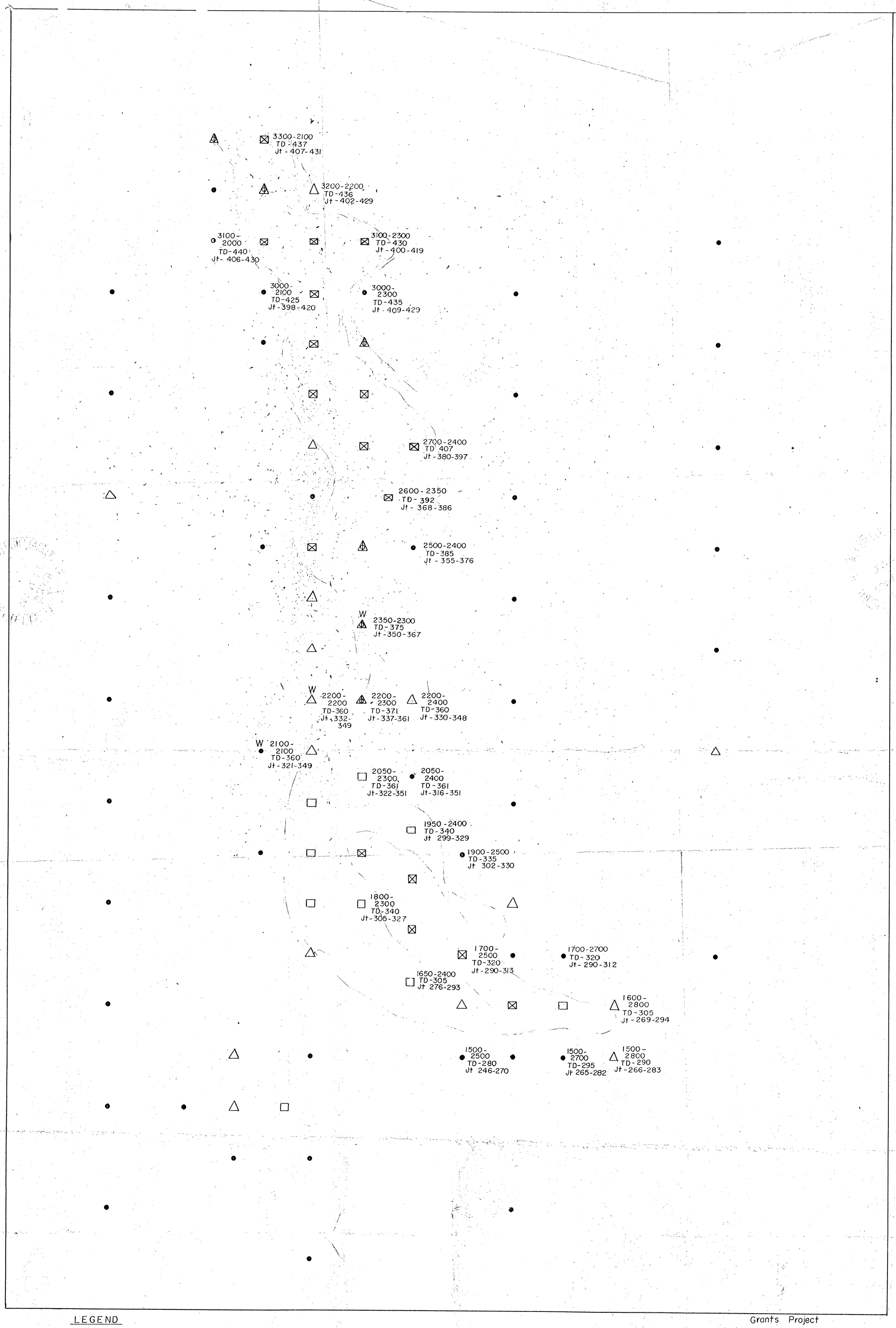
GRANTS URANIUM
Westvaco Mineral Products Division of
Food Mach. & Chem. Corp.

SECOND STAGE DRILLING MONTHLY PROGRESS MAP
of Sec. 29, T13N, R9W.
DMEA Docket 3989

Scale: 1"=100'

DRAWING 29-8

DRAWN BY R. M. M.



LEGEND

- ● Barren Holes
- △ Mineralized Holes
- ⊿ Strongly Mineralized Holes
- □ Ore Grade Rock less than 3 ft. in thickness
- ⊠ Ore Grade Rock 3 ft. or more in thickness
- W Westvaco Financed Holes

Holes with co-ordinates – Drilled in October

0 100 200 300
Scale of Feet

Grants Project
Westvaco Mineral Products
Food Mach. & Chem. Corp.

PROGRESS MAP - OCT., 1956
DMEA 3989
SECTION 29, T. 13 N., R. 9 W.

MDC.

Map No. 238