June 25, 1958

Memorandum

To: W. N. Chamberlain, Statistics Branch

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

Subject: Semiannual Reports on Certified Projects
Period January 1, 1958, to June 30, 1958

The Regional Office has advised that for the period January 1, 1958, to June 11, 1958, the following exploration project has been inactive:

DMEA-2841, Idm-E523, Foote Mineral Co.

/s/ F. L. Knouse

F. L. Knouse

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DMEA
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SEMI-ANNUAL REPORT ON CERTIFIED PROJECTS

Inactive since last report

Reporting Period: January 1, 1958 to June 11, 1958.

Commodity: Mica

DMEA No.	Idm-E	Operator	Date Inactivated
2375	349	Robinson & West (Swannanoa Mine)	June 12, 1958
3289	659	Willis & Snyder Mining Co. (Luts Mine)	June 11, 1958
3577	762	Keller Mining Co. (Royster Mine)	June 11, 1958
3774	831	John L. Biggerstaff (Dycus Mine)	June 11, 1958

Commodity: Columbium-tantalum-beryl-and tin

2841	583	Foote Mineral Co. (Williams Tracts 3 & 4)	June 11, 1958

William A. Beck, Mining Engineer
U. S. Bureau of Mines (DMEA)

March 13, 1958

Memorandum

To: Wingfield N. Chamberlain
Records Branch

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

Subject: Semiannual Report on Certified Project
Docket No. DMEA-2841
(Columbium-tantalum-beryl-tin)
Contract No. Idm-R523
Foote Mineral Company

The report for the period June 20 to December 17, 1957, on the above project advises that no work has been done since the contract was completed.

Ernest Wm. Ellis

Ernest Wm. Ellis

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

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January 9, 1958

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville, Tenn.

Subject: Reports on Certified Projects.

Please substitute the two attached reports for the copies mailed your office January 8. The name and DMEA number of the mine was inadvertently omitted.

Robert A. Laurence

zm.
enc.
DMEA-2841
DMEA-3377

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DMEA EXPLORATION PROJECT

Semi-Annual Report on Certified Project

DMEA-2841, Idm-E523, WILLIAMS TRACTS 3 and 4
(columbium-tantalum-beryl-tin)
Cleveland County, North Carolina

The writer visited the subject Company December 17,1957 and accompanied by Thomas L. Kesler, Chief Geologist for the organization went out to the properties where the DMEA work was done. No work had been done since the contract was completed. Mr. Kesler said that as far as he knew no one had a lease on the property at the present time.

Wm. A. Beck, Mining Engineer
Bureau of Mines

January 8, 1958.

z

Docket 2841
E 523

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DMEA EXPLORATION PROJECT

Semi-Annual Report of Certified ~~Project~~

Reporting Period: June 20, 1957 to December 17, 1957

Operators: Foote Mineral Co., 18 Chelton Ave., W. Philadelphia, Pa.

Mine Name: Williams Tracts 3 and 4. Cleveland County, N. C.

The writer visited the subject company December 17, 1957 and accompanied by Thomas L. Kesler, Chief Geologist for the organization, went out to the properties where the DMEA work was done. No work had been done since the contract was completed. Mr. Kesler said that so far as he knew no one had a lease on the property at the present time.

Wm. A. Beck, Mining Engineer
Bureau of Mines

January 8, 1958

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date July 9, 1957

Semi-Annual Report - Certified Project Date 1/1/57 - 7/1/57

DMEA No. 2841 Operator Foote Mineral Co. Contract No. Idm-E 523

Ore Reserves

Ore Estimates	Tons	Analysis Tons Contained
Original (DMEA)	258,400	Beryl - 441, Cassiterite - 15
Increase (Operator)	—	Columbite-Tantalite - 35
Total	258,400	Spodumene - 25,450
Decrease (Production)	—	
Net Available	258,400	" "

Investment

None

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Operator has abandoned property. Art. 10 of February, 1952 Contract Form MF-200 applies.

Michael Ching

200338

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

DMEA-2841, Idm-E523(Cd, Ta, Be, Sn)

Mine:Name: Williams Tracts 3 and 4.

Reporting Period: 1-1-57 to 7-1-57

Operator: Foote Mineral Company, 18 Chelton Ave., W, Philadelphia, Pa.

Location: About 4 miles southwest of Kings Mountain, Cleveland County, North Carolina.

The writer visited the project property and called at the Operators plant on June 20, 1957. There was no work being done on the property and Mr. Ed Goter, Assistant Plant Manager stated that he did not believe anyone had a lease on the property at the present time.

Wm. A. Beck, Mining Engineer

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Div. Division

Date Feb. 6, 1957

Semi-Annual Report - Certified Project

Date Feb. 4, 1957

DMEA No. 2841 Operator Foote Mineral Co. Contract No. Idm-E 523

Ore Reserves

Ore Estimates	Tons	Analysis - Ton Contained
Original (DMEA)	258,400	Beryl - 441, Cassiterite - 15
Increase (Operator)	—	Columbite-Tantalite - 35
Total	258,400	Spodumene - 25,450
Decrease (Production)	—	
Net Available	258,400	

Investment

None

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

No work done to date. Operator trying to renegotiate the lease with the land owners.

Michael Ching

100338

SEMI-ANNUAL REPORT ON CERTIFIED PROJECT

DMEA-2841, Idm-E523 (Columbium-tantalum-beryl and tin)

Operator: Foote Mineral Company, 18 Chelton Ave., W. Philadelphia, Pa.

Mine Name: Williams Tracts 3 and 4

Location: About 4 miles southwest of Kings Mountain, Cleveland County, N. C.

The writer called at the plant of the above Company January 25, 1957. Mr. T. L. Kesler, Chief Geologist for the Company stated no work had been done on the explored property to date, and that they were still trying to renegotiate the lease with the land owners. If this cannot be done, it is most likely the company will give up their lease. They feet they cannot pay such high minimum royalties as are stipulated in the lease. There is a clause in the lease which stipulates that in the event it is terminated the lessee is required to furnish the lessor with any drilling data obtained during the life of the lease. Mr. Kesler asked whether or not the Government would have any objections to their giving out this information. He was told the job was theirs, and that they could give out whatever information they wanted without consulting the Government. The Government, however, would not give out any information on the project without first getting permission from the Company.

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Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Ching

Rare and Misc. Metals Division Date 7-23-56

Semi-Annual Report - Certified Project Date 1-1 to 7-1-56

DMEA No. 2841 Operator Foote Mineral Co. Contract No. Idm-E 523

Ore Reserves

Ore Estimates	Tons	Analysis (Tons Contained)
Original (DMEA)	258,400	Beryl - 441, Cassiterite - 15, Columbite-Tantalite - 35, Spodumene 25,450
Increase (Operator)	–	
Total	258,400	"
Decrease (Production)	–	
Net Available	258,400	"

Investment None.

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

No new developments since last report of June 11, 1956.

100338

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Semi-Annual Reports of Certified Projects

Reporting Period 1/1/56 to 7/1/56 Date of Examination July 4, 1956

Operator: Foote Mineral Co., 18 W. Chelton Ave., Philadelphia, Penna.

Mine Name Williams Tracts 3 & 4

County and State: Cleveland County, North Carolina

Docket Number and Commodity --- DMEA-2841, Columbium-tantalum-beryl-tin

Contract Number --- Idm-E 523

Date of Contract: May 18, 1953

Date of Certification: November 19, 1954

Expiration Date of Royalty Payments : May 18, 1963

Total Amount of Contract : $30,500.00

Total Expenditures under Contract: $23,735.10

Amount of Government Participation at 90 % $21,361.59

Royalty Payments this Period None

Previous Royalty Payments None

Total Royalty Payments to Date None

Percent Government Participation Repaid None. 0.00%

Royalty Due on Production to Date None

Royalty Remarks: No production has been made from the properties to date.

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JUL 23 1956

Original Estimate of Reserves (from final Engr.-Geol. Report): 258,400 tons of pegmatite, in five bodies containing 440.80 tons of beryl
14.90 " " cassiterite
34.55 " " columbite-tantalite
25,450.00 " " spodumine

Increase (or Decrease) of Reserves by work performed subsequent to original and last Field Team estimates: none

Revised Estimate of Reserves:

Production this Period (Ore or Concentrates) in suitable detail none

Amount of Previous Production (since date of contract) none

Total DMEA Production to Date None

Percent of Revised Reserves Mined

Production Remarks:

Other Remarks:

(Investments, description of additional exploration or development work, production facilities, and plant installations, etc. since completion of the exploration project work)

Thomas L. Kesler, Chief Geologist for the Company stated that as far as he knew no change in the lease, and no arrangements to start mining has been made.

Signed W. M. Beck Engineer

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Miscellaneous Metals Division

Date June 11, 1956

Semi-Annual Report - Certified Project

Date Feb. 13, 1956 July 1-Dec.31, 1955

DMEA No. 2841 Operator Foote Mineral Co. Contract No. Idm-E 523

Ore Reserves

Ore Estimates	Tons	Analysis (Tons Contained)
Original (DMEA)	258,400	Beryl - 441, Cassiterite - 15, Columbite- tantalite - 35, Spodumene - 25,450
Increase (Operator)	None	
Total	258,400	"
Decrease (Production)	None	
Net Available	258,400	"

Investment None

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Lease may be cancelled by Lessor on December 10, 1956, if Lessee has not constructed permanent buildings upon the premises or has not carried on mining operations for at least 6 months.

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SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting Period: July 1, 1955 - December 31, 1955. Date of Exam: 2-13-56

Operator: Foote Mineral Company, 18 W. Chelton Ave., Philadelphia, Pa.

Mine Name: Williams Tracts 3 and 4

County and State: Cleveland County, North Carolina

Docket No. and Commodity: DMEA-2841, Columbium-tantalum -beryl and tin.

Contract Number: Idm-E523

Date of Contract: May 18, 1953

Date of Certification: November 19, 1954

Expiration Date of Royalty Payments: May 18, 1963

Total Amount of Contract: $ 30,500.00

Total Expenditures under Contract: $23,735.10

Amount of Government Participation at 90% - $21,361.59

Royalty Payments this Period: None

Previous Royalty Payments: None

Total Royalty Payments to Date: None

Percent Government Participation Repaid: 0.00%

Royalty due on Production to Date: None

Royalty Remarks: Operator has not started work on the properties covered by the contract to this date.

Original Estimates of Reserves (from final Engg-Geol. Report):

258,400 tons of pegmatite, in five bodies, containing:
440.80 tons of beryl
14.90 tons of cassiterite
34.55 tons of columbite-tantalite
25,450.00 tons of spodumene

No additional reserves have been developed as no work has been done on the property since the contract was completed. Additional drilling will have to be done to further delimit the deposit before production is started.

The properties covered in this contract are two tracts held by the Company in a lease dated December 10, 1949. This lease is for a period of 98 years and has many stipulations. The Operator is to pay certain royalties on production and a minimum rental of ($200.00) per month during the first year of the lease, ($300.00) per month during the second, third and fourth years and ($400.00) per month during the fifth and succeeding years. Article 19 of the lease stipulates that the Lessor shall have the option to cancel said lease at the end of seven (7) years from the date hereof in the event that the Lessee has not constructed permanent buildings upon the leased premises or during the last eighteen months of said seven (7) years period the Lessee has not actively carried on mining operations upon the leased premises for a total of at least six months.

As the seven (7) year period is up on December 10th of this year and the Company is not prepared to start mining, they are negotiating with the Lessors to change the lease. If this cannot be done mining on the property should start in the near future.

W A Beck

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

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2841

do not destroy

ACTION ON INF[redacted]
OR FINAL FIELD TEAM REPORT

Date 12-23

Referred to:

1. ~~Mr. [illegible]~~
2. ~~Mr. Johnson~~
3. ~~Mr. [illegible]~~
4. ~~Docket Control Mails and Files~~
5. ~~Mr. [illegible] Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. Not very informative.
2. Do they desire to operate?
3. Is it economically feasible?
4. Are they endeavoring to stall for time? What reason?

and take appropriate action.

- - - - - -

Action taken by Division: Doubtful - more exploratory work required to determine size of orebodies and feasibility of operation.

ROBERT E. ADAMS

Initials

REPORT OF INSPECTION OF CERTIFIED PROJECT

DMEA-2841, Idm-E523, (columbium, tantalum, beryl and tin) WILLIAMS TRACTS 3 & 4
Cleveland County, North Carolina

Operator: Foote Mineral Company, 18 W. Chelton Ave., Philadelphia, Pa.

Mr. Ralph Flowe, Ass't Mine Superintendent and Mr. Thomas L. Kesler, Chief Geologist, of the subject Company were contacted at their plant near Kings Mountain, N. C., on December 5, 1955. They informed the writer that no work had been done on the property covered by the above contract since it had been completed. According to the Company's lease they are required to start operations within a certain period. They are trying to negotiate a new lease which would eliminate that requirement. what?

December 5, 1955.

Wm. A. Beck, Mining Engineer
Bureau of Mines

What? - new lease with no obligation to work?

REPORT OF INSPECTION ON CERTIFIED PROJECT
DMEA-2841, Idm-E523
(Columbium-Tantalum-Beryl-Tin)

WILLIAMS TRACTS 3 & 4, Cleveland County, N. C.

Operator: Foote Minerals Company, 18 W. Chelton Ave., Philadelphia, Pa.

The writer called on Mr. Thomas L. Kesler at the above Company's property in Kings Mountain, N. C., on April 25, 1955. Mr. Kesler stated that no production had been made from the explored property to date. He stated that he has been after the Company to do additional drilling on the properties but they have been too busy on their expansion program to take on this additional work. He could not give me any idea as to when they might start there.

Wm. A Beck, Mining Engineer
U. S. Bureau of Mines

Visited: April 25, 1955.

REPORT OF INSPECTION OF CERTIFIED PROJECT

DMEA-2841, Idm-E 523
(Columbium-Tantalum-beryl - tin)

WILLIAMS TRACTS 3 & 4, Cleveland County, N. C.

Operators: Foote Minerals Company, 18 W. Chelten Avenue, Philadelphia, Pa.

The writer called on Mr. Thomas L. Kesler at the above Company property in Kings Mountain, North Carolina on December 6, 1954. Mr. Kesler stated that no production has been made from the explored property to date. He stated that a little work may be necessary shortly on Tract 3 to conform to the terms of their lease. However, he stated that he did not think anything would be done there before spring.

December 6, 1954

Wm. A. Beck, Supervising Mining Engineer
U. S. Bureau of Mines

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1954 Docket No. DMEA 2843 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantulum
Address 18 W. Chelten Ave., Philadelphia, Pa. Beryl and Tin
Contract Amount, $ 30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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
					April 1954 Voucher	As per Audit Report 7/20/54
(1) Independent Short Form Contracts:						
Drilling		13,714.58	13,714.58		13,714.58	13,714.58
Bulldozing		100.00	100.00		100.00	100.00
Crosscutting						
Drifting						
Trenching		379.80	379.80		379.80	379.80
(2) Labor and Supervision:						
Labor						
Supervision		4,400.00	4,400.00		4,400.00	4,248.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00		100.00	96.48
Core Boxes		219.75	219.75		219.75	175.75
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00		540.00	540.00
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	(1491.51)	5,500.00	4,008.49		2,777.50	4008.49
Sampling and Analysis						53.35
Payroll Taxes						98.65
Liability Insurance						
Accountant		320.00	320.00		160.00	320.00
(8) Contingencies (specify):						
TOTALS	(1491.51)	25,274.13	23,782.62	1,343.47	22,391.63	23,735.10

See Audit Report dated 7/20/54 with B.

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-5

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 14, 1954 Payee Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

*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:

$ 1,209.12

Signature Cora A. Piper (Authorized Certifying Officer)
Date AUG 5 1954 Vou. No. 22
(See other side)

134-35

(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-E523 in accordance with the terms of the contract.

Signature Wm Beck Title Supervising Mining Engr. USBM Date 8-3-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 3 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 4 Docket No. DMEA 2841 Contract No. IDME 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum n Beryl and Tin

Address 18 W. Chelten Avenue, Philadelphia, Pa.

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
Bulldozing	Day			100.00	1 day		5 days	100.00
Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
Truck Rental	Wk.			540.00	18 Wk.		18 Wk.	30.00
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core NX	Ft.							
Churn BX	Ft.							
Auger Non Core	Ft.			13,714.58	2099.6'		2100'	7.80,7.00&2.35
Accountant	Mo.			320.00	4 Mo.		4 Mo.	40.00
Stripping	Ft.			379.80	422'		2140'	.90
Trenching				319.75				350.00
Mat. and Sup.								
Roads and Trails Assays	En.	(1491.51)		4,008.49				5,500.00
Geologist-Helper	Mo.			2,400.00	6 Mo.		6 Mo.	400.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		(1491.51)		23,782.62				

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 July 14, 1954 Operator Foote Mineral Company Kings Mountain Division

Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Foote Mineral Company
Exploration Department

Subject: Actual Cost of Assays under the D.M. E. A. Contract including sample preparation and Lab. Costs

Sample Preparation Costs

Core	121 samples		
	sampling - 20 hours @ 1.00/hr	$ 20.00	
	crushing and splitting - 322 2/3 hrs.@ 1.05/hr.	338.10	
	Shipping	18.15	
			$376.25
Sludge	40 samples		
	sampling - 10 hours @ 1.00/hr.	$ 10.00	
	crushing and splitting 43 1/3 hrs. @ 1.05/hr	45.50	
	shipping	6.00	
			$ 61.50
Trench	39 samples		
	sampling - 72 hours @ 1.10/hr	$ 79.20	
	crushing and splitting - 178 3/4 hours @ 1.05/hr	187.69	
	shipping	5.85	
			$272.74
	Total Preparation Cost		$710.49

Laboratory Cost on Assays

January, 1954	22	samples	assayed	$324.00	
February, 1954	35	"	"	479.00	
March, 1954	44	"	"	604.00	
April, 1954	82	"	"	1,316.00	
May, 1954	19	"	"	323.00	
Total Laboratory Cost					$3,046.00

Additional time of M Dill spent in sample preparation after January 31, 1954 - 4 days @ 16.50 $ 66.00

Charge for preliminary assay work done by Enton Laboratory not included in above Lab. Costs. Work was done with ore samples in order to establish standard of procedure $186.00

Total assaying cost	$4,008.49
Amount previously billed	5,500.00
Credit Due D. M. E. A.	$1,491.51

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May 195 4 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantalum

Address 18 W. Chelten Avenue, Philadelphia, Pa. Beryl and Tin

Contract Amount, $ 30,500.00 Government Participation: 90% Amount, $ 27,450.00

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		13,714.58	13,714.58			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
Trenching		379.80	379.80			
(2) Labor and Supervision:						
Labor						
Supervision		4,400.00	4,400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	2,722.50	2,777.50	5,500.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Accountant	160.00	160.00	320.00			
(8) Contingencies (specify):						
TOTALS	2,882.50	22,391.63	25,274.13			

See Audit Rep't dated 7/20/54 MWB

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

Date June 7, 1954 *Payee Foote Mineral Company
Kings Mountain Division

Per [signature] Title Plant Accountant

*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:

$ 0.00

Signature
(Authorized Certifying Officer)

Date AUG 5 1954 Vou. No. 22

(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:E523 in accordance with the terms of the contract.

Signature B. F. Brie Title Geologist, U.S.G.S. Date July 8, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 3 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantalum, Beryl and Tin

Address 18 W. Chelten Ave., Philadelphia 44, Pa.

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
~~Dozing~~ Bulldozing	Day			100.00	1 Day		5 Days	100.00
~~Consulting~~ Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
~~Boiler~~ Truck Rental	Wk			540.00	18 Wk.		18 Wk.	30.00
~~Shift~~ Geologist-Helper	Mo.			2,400.00	6 Mo.		6 Mo.	400.00
Winzes								
Drilling: Core NX	Ft.)							
~~Core~~ Bx	Ft.)							
~~Rotary~~ Non Core	Ft.)			13,714.58	2099.6'		2100'	7.80, 7.00 &
~~Supply~~ Accountant	Mo.	160.00		320.00	4 Mo.		4 Mo.	40.00 35
Trenching	Ft.			379.80	422'		2140'	.90
~~Test Pit~~ Material &								
~~Business~~ Tools Supplies				319.75				350.00
Assays	Ea.	2,722.50		5,500.00				5,500.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,882.50		25,274.13				

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 June 7, 1954 Operator FOOTE MINERAL COMPANY
Kings Mountain Division

Per [signature] Title Plant Accountant

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

104 (Rev.)
(1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-55.

Defense Minerals Administration
RECEIVED
JUN 10 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1954 Docket No. DMEA 2841 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantulum
Address 18 W. Chelten Ave., Philadelphia, Pa. Beryl and Tin.
Contract Amount, $30,500.00 Government Participation: 90 % Amount, $27,450.00

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		13,714.58	13,714.58			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
Trenching		379.80	379.80			
(2) Labor and Supervision:						
Labor						
Supervision		4,400.00	4,400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	1210.00	1567.50	2,777.50			
Payroll Taxes						
Liability Insurance						
Accountant		160.00	160.00			
(8) Contingencies (specify):						
TOTALS	1210.00	21,181.63	22,391.63	1,210.00	21,181.63	22,391.63

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-67

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

Date May 4, 1954 *Payee Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

*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:

$ 1,089.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUN 1 1954 Vou. No. 296
(See other side)

121.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDM-E523 in accordance with the terms of the contract.

Signature B. J. Bani Title Geologist Date May 12, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA ~~REGION VII~~ Date MAY 27 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 10 1954

Month of April 1954 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium,

Address 18 W. Chelten Ave., Philadelphia, Pa. Tantulu, Beryl and Tin

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~~ Bulldozing	Day			100.00	1 Day		5 Days	100.00
~~Crosscutting~~ Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
~~Raising~~ Truck Rental	Wk.			540.00	18 Wk.		18 Wk.	30.00
Shafts								
Winzes								
Drilling: Core NX	Ft.)							
~~Chum~~ BX	FT.)							
~~Auger~~ Non Core	Ft.)			13,714.58	2099.6		2100'	7.80, 7.00 & 2.35
~~Sampling~~ Accountant	Mo.			160.00	4 Mo.		4 Mo.	40.00
Trenching	Ft.			379.80	422 ft.		2140'	.90
~~Test Pits~~ Mat. & Supplies				319.75				350.00
~~Mining and Trams~~ Assays	Ea.	1210.00		2,777.50				5,500.00
Geologist-Helper	Mo.			2,400.00	6 Mo.		6 Mo.	400.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1210.00		22,391.63				

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 4, 1954 Operator Foote Mineral Company
Kings Mountain Division

Per [signature] Title Plant Accountant

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Assays

March - Columbium and Tantulum	44	@	$ 15.00	$ 660.00
- Beryl	44	@	5.00	220.00
- Tin	44	@	7.50	330.00
Total Assays				$1210.00

RECEIVED
MAY 17 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

May 19, 1954

Lacine Minerals
REGL. 7
MAY 21 1954

Mr. T. L. Kesler, Chief Geologist
Foote Mineral Company
P.O. Box 31
Kings Mountain, N. C.

Re: DMEA-2841, Idm-E523
Columbium-Tantalum-Beryl-Tin

Dear Tom:

Your April operator's monthly report and voucher is being returned to you herewith because they were not signed by your plant accountant. Mr. Buie has retained his copy and I do not feel that it will be necessary to return his copy. You may return these vouchers direct to this office. It will not be necessary to transmit them through Mr. Buie as he has already signed them.

Please advise us whether or not there are any more expenses to be vouchered and if so, approximately how much. If there are no ther vouchers it will be necessary for us to hold these until the final report is received.

Very truly yours,

Wm. A. Beck, for R. A. Lawrence
Executive Officer, DMEA-Reg. VII

WAB/mm
cc:
Beck
Buie
Opr. Com. - 2
Files

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

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

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

Month of March, 1954 Docket No. DMEA 2841 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantulum
Address 18 W. Chelten Ave., Philadelphia, Pa. Berllium and Tin
Contract Amount, $ 30,500.00 Government Participation: 90% Amount, $ 27,450.00

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	3,942.90	9,771.68	13,714.58			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
Trenching	144.00	235.80	379.80			
(2) Labor and Supervision:						
Labor						
Supervision		4,400.00	4,400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	1,526.50	41.00	1,567.50			
Payroll Taxes						
Liability Insurance						
Accountant		160.00	k 160.00			
(8) Contingencies (specify):						
TOTALS	5,613.40	15,568.23	21,181.63	5,613.40	15,568.23	21,181.63

PAID ON VOUCHER & SCHEDULE OF PAYMENTS No. 63

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

Date April 7, 1954 Payee Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

*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)

561.34

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

$ 5,052.06

Signature [signature]
(Authorized Certifying Officer)

Date MAY 6 1954 Vou. No. 275
(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-E523 in accordance with the terms of the contract.

Signature B. F. Beck Title Geologist Date April 28, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck Acting Title Executive Officer DMEA RegionVII Date May 3, 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 10 1954

Month of March 195 4 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company

Address 18 W. Chelten Ave., Philadelphia, Pa.

Minerals Columbium, Tantulum, Beryl, & Tin

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~~ ~~xxxx~~ Bulldozing	Day			100.00	1 Day		5 Days	100.00
~~Crosscutting~~ ~~xxxxxxx~~ Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
~~Raising~~ ~~xxxx~~ Truck Rental	Wk.			540.00	18 Wk.		18 Wks.	30.00
Shafts								
Winzes								
Drilling: Core NX	Ft.	705.12	90.4'					
~~Churn~~ ~~xxxx~~ BX	Ft.	2376.50	339.5'					
~~Auger~~ ~~xxxx~~ Non core	Ft.	861.28	366.5'	13,714.58	2099.6		2100'	7.80, 7.00 & 2.35
~~Stripping~~ ~~xxxxx~~ Accountant	Mo.			160.00	4 Mo.		4 Mo.	40.00
Trenching	Ft.	144.00	160.0'	379.80	422'		2140'	.90
~~Test Pits~~ ~~xxxxx~~ Mat. & Supplies				319.75				350.00
~~Roads and Trails~~ ~~xxxxxxxxx~~ Assays		1526.50		1,567.50				5,500.00
Geologist-Helper	Mo.			2,400.00	6 Mo.		6 Mo.	400.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		5613.40		21,181.63				

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 April 7, 1954 Operator Foote Mineral Company
Kings Mountain Division

Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Basis for Billing

Drilling

Previous Non-Coring (Never Billed)	366.5'	@ $2.35	$ 861.28
Footage Drilled in March			
Non-Coring	-	2.35	-
NX Core	339.5'	7.00	2376.50
Trenching	160.0'	.90	144.00
NX Core - 95.7' Less 5.3' Overcharge In August '53	90.4'	7.80	705.12

Assays

January - Columbium and Tantulum	22	@ $15.00	330.00
- Beryllium	22	5.00	110.00
- Tin	22	7.50	165.00
February - Columbium and Tantulum	35	15.00	525.00
- Beryllium	35	5.00	175.00
- Tin	35	7.50	262.50
Total Assays			$1567.50
Less: $41.00 Billed in error Oct. and Nov.			41.00
			$1526.50

OPERATOR'S MONTHLY REPORT FOR THE
MONTH OF MARCH, 1954
DMEA Contract IDM-E 523, Docket 2841

Core Drilling

Completed core-drill hole 3-7-1 inclined 50 degrees S.50E. in vertical plane with 3-3-1. Footage drilled was from 17.8, at end of February, to 453.0 at which depth the hole was completed. Period covered March 1 - 30.

Total footage drilled in March was 435.2 feet divided as follows: noncoring 0.0 feet, NX diamond bits 95.7 feet, and BX diamond bits 339.5 feet.

Trenching

Three cross-cut trenches in outcrop of pegmatite 3-1 drilled, blasted, and sampled in 10-ft. intervals, beginning at eastern contact. Aggregate number of samples obtained is 12, and aggregate length of the three trenches is 120 ft., each being 40 feet long.

One cross-cut trench 40 feet long in outcrop of pegmatite 3-2 drilled, blasted, and sampled in 10-ft. intervals, beginning at eastern contact.

Period covered in trenching was March 1-10, and total footage was 160 feet.

Status of the Program

By agreement between the field representative of D.M.E.A. and Foster's Chief Geologist, the prospecting work under contract IDM-E 523 is considered as having been carried to its practical limit. Core drilling was completed on March 30, and trenching on March 10.

The attached voucher is believed to contain the correctly adjusted balance of all charges allowable, with the exception of charges on samples that remain to be assayed and reported. It is anticipated that the remaining assay charges will be ready to report by May 15.

R.F.D. 5
Columbia, S. C.
April 29, 1954

Mr. Robert A. Laurence, Executive Officer
D. M. E. A. Region VII
Room 13, Post Office Building
Knoxville, Tenn.

MESA-2841, Idm-E 523
Foote Mineral Co.

Dear Mr. Laurence:

Enclosed is Operator's Monthly Report and Voucher, with related papers, for subject contract for the month of March 1954. This report was received on April 8; pressure of other work, and illness, have prevented my forwarding it previously.

The 5.3 feet of NX coring mentioned in the report as having been an overcharge in August 1953 was drilled in cement in Hole 4-2-1. After that hole had been drilled to 8.0 feet it was cemented and redrilled with NX diamond bit from 2.7 to 8.0 feet. In the monthly report for March this 5.3 feet is transferred from "NX" to "non-coring".

Amendment No. 3 of the Contract authorizes $744. for contingencies, none of which has been used. Would it not be proper for the Operator to draw upon the contingencies allocation to cover expenses such as truck rental and salary of the geologist-engineer helper, where: (1)the amount allocated for these expenses has proved insufficient, and (2)the estimated cost was not designated as being the maximum allowable?

In the voucher for September $60 for truck rental was charged against Contingencies, the amount originally alloted for truck rental having been exhausted. When the October voucher was made out, the amount allocated for truck rental had been increased to $540 by amendment No. 3, and the $60 charged to Contingencies in the September voucher was transferred in the October voucher to Truck Rental. If the Operator was right in drawing upon the contingencies allotment in September it seems that he would be right in drawing upon it now. Perhaps you or Mr. Beck will wish to call this to Mr. Kesler's attention. Or shall I?

Sincerely,

E. T. Buie
Geologist (MED), U. S. Geol. Survey

RECEIVED
MAY 3 - 1954
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

May 3, 1954

Dr. B. F. Buie
R. F. D. # 5
Columbia, South Carolina

Re: DMEA-2941, Idm-K 5[illegible]-Foote Minerals
columbium-tantalum-beryl-tin.

Dear Frank:

Reference is made to your letter of April 29, 1954, in which you asked if it would not be proper to draw upon the contingencies allocated to cover expenses such as truck rental and salary of the geologist-engineer helper. Although exhibit "A" or Amendment No. 3 does not designate these items as allowable maximums, Article 6 (1) and (4) of the contract does state that these items are allowable maximums and the use of monies set up under contingencies could not be used for these purposes.

Very truly yours,

Wm. A. Beck, Acting
Executive Officer, DMEA-Reg. VII

WAB/mm
cct
Beck
Lynch
Lawrence
Opr. Gen.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mountain PROPERTY OR MINE Tract #3 DRILL HOLE NO. 3-7-1 CHANNEL OR TRENCH NO. --- LOCATION

SURF. ELEV. INCLINATION 50 BEARING S 50 E SIZE OR WIDTH W to 10.0, NX to 113.5, BX STARTED 2-28-54 COMPLETED 3-30-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS		SAMPLE
0.0	10.0	10.0	-	W	Red clay and Mica Schist		
10.0	25.8	15.8	4.5	28	Wtd Peg and Mica Schist		C 1
25.8	45.8	20.0	4.6	23			C 2
45.8	50.4	4.6	3.6	78			C 3
50.4	58.4	8.0	5.6	70			C 4
58.4	63.4	5.0	5.0	100	Pegmatite		C 5
63.4	68.5	5.1	5.1	100			C 6
68.5	73.5	5.0	5.0	100			C 7
73.5	78.5	5.0	5.0	100			C 8
78.5	83.5	5.0	5.0	100			C 9
83.5	88.5	5.0	5.0	100			C 10
88.5	93.5	5.0	5.0	100			C 11
93.5	98.5	5.0	5.0	100			C 12
98.5	103.5	5.0	5.0	100			C 13
103.5	108.5	5.0	5.0	100			C 14
108.5	113.5	5.0	5.0	100			C 15
113.5	118.5	5.0	0.0	0		S 1	
118.5	123.5	5.0	5.0	100		S 2	C 16
123.5	128.5	5.0	5.0	100		S 3	C 17
128.5	133.5	5.0	5.0	100		S 4	C 18
133.5	138.5	5.0	5.0	100		S 5	C 19
138.5	143.5	5.0	5.0	100		S 6	C 20
143.5	148.5	5.0	5.0	100		S 7	C 21
148.5	150.5	2.0	2.0	100		S 8	C 22
150.5	186.0	35.5	35.5	100	Mica Schist		

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mountain PROPERTY OR MINE Tract #3 DRILL HOLE NO. 3-7-1 CHANNEL OR TRENCH NO. -- LOCATION

SURF. ELEV. INCLINATION 50° BEARING S-50-E SIZE OR WIDTH Wto 10.0, NX to 113.5, BX STARTED 2-28-54 COMPLETED 3-30-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
186.0	190.5	4.5	4.5	100	Pegmatite S 9	C 23
190.5	195.0	4.5	4.5	100	my record of study of cores shows "no core" for the interval 191.0 to 193.9 B.F. Buie	C 24
195.0	214.0	19.0	19.0	100	Mica Schist Water Return Weak and Erratic	
214.0	219.0	5.0	5.0	100		C 25
219.0	224.0	5.0	5.0	100		C 26
224.0	229.0	5.0	5.0	100	Pegmatite	C 27
229.0	234.0	5.0	5.0	100		C 28
234.0	239.0	5.0	5.0	100		C 29
239.0	244.0	5.0	5.0	100		C 30
244.0	317.0	73.0	73.0	100	Mica Schist with Peg Stringers	
377.0	322.0	5.0	5.0	100	Pegmatite	C 31
322.0	327.0	5.0	5.0	100		C 32
327.0	330.0	3.0	3.0	100	Mica Schist C 36	
330.0	338.5	8.5	8.5	100	Pegmatite	C 33
338.5	431.0	92.5	92.5	100	Mica Schist with Peg Stringers	
431.0	433.0	2.0	2.0	100	Pegmatite	C 34
433.0	444.0	11.5	11.5	100	Mica Schist	
444.5	446.0	1.5	1.5	100	Pegmatite	C 35
446.0	453.0	7.0	7.0	100	Mica Schist	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN PROPERTY OR MINE: TRACT #3 DRILL HOLE NO.: — CHANNEL OR TRENCH NO.: 3-1-T1 LOCATION:

SURF. ELEV.: INCLINATION: BEARING: S 50 E SIZE OR WIDTH: 6"X6" X 40' STARTED: 3-1-54 COMPLETED: 3-10-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			HARD PEGMATITE	3-1-T1A
10.0	20.0	10.0				3-1-T1B
20.0	30.0	10.0				3-1-T1C
30.0	40.0	10.0				3-1-T1D
					TRENCH BLASTED IN HARD PEGMATITE	
					SAMPLING DONE WESTWARD BEGINING AT EAST CONTACT	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn PROPERTY OR MINE Tract #3 DRILL HOLE NO. — CHANNEL OR TRENCH NO. 3-1-T2 LOCATION

SURF. ELEV. INCLINATION BEARING S-50-E SIZE OR WIDTH 6" x 6" x 40' STARTED 3-1-54 COMPLETED 3-10-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			HARD PEGMATITE	3-1-T2A
10.0	20.0	10.0				3-1-T2B
20.0	30.0	10.0				3-1-T2C
30.0	40.0	10.0				3-1-T3D
					BLASTED IN MINED PEGMATITE	
					SAMPLING DONE WESTWARD STARTING AT EAST CONTACT	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn PROPERTY OR MINE Tract #3 DRILL HOLE NO. — CHANNEL OR TRENCH NO. 3-1-T3 LOCATION

SURF. ELEV. INCLINATION BEARING S-80-E SIZE OR WIDTH 6" x 6" x 40' STARTED 3-1-54 COMPLETED 3-10-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			HARD PEGMATITE	3-1-T3A
10.0	20.0	10.0				3-1-T3B
20.0	30.0	10.0				3-1-T3C
30.0	40.0	10.0				3-1-T3D
					BLASTED IN HARD PEGMATITE	
					SAMPLING DONE WESTWARD STRIKING AT EAST CONTACT	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN. PROPERTY OR MINE: TRACT #3 DRILL HOLE NO.: — CHANNEL OR TRENCH NO.: 3-2-T1 LOCATION:

SURF. ELEV.: INCLINATION: BEARING: S-50-E SIZE OR WIDTH: 6" x 6" x 40' STARTED: 3-1-54 COMPLETED: 3-10-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			HARD PEGMATITE	3-2-T1A
10.0	20.0	10.0				3-2-T1B
20.0	30.0	10.0				3-2-T1C
30.0	40.0	10.0				3-2-T1D
					BLASTED IN HARD PEGMATITE	
					SAMPLING DONE WESTWARD BEGINING AT EAST CONTACT	

COPY

MF-104 (Rev.)
(April 1952)

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

245

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ID ON VOUCHER & SCHEDULE
ES K- 56

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum Beryl and Tin

Address 18 W. Chelten Ave., Philadelphia 44, Pa.

Contract Amount, $30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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	2132.00	7639.68	9771.68			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
Trenching	235.80	-0-	235.80			
(2) Labor and Supervision:						
Labor						
Supervision		4400.00	4400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		41.00	41.00			
Payroll Taxes						
Liability Insurance						
Accountant		160.00	160.00			
(8) Contingencies (specify):						
TOTALS	2367.80	13,200.43	15,568.23	2,367.80	13,200.43	15,568.23

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

Date 3/3/54 *Payee Foote Mineral Company
Kings Mountain Division

Per [signature] Title Plant Accountant

*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:

$ 2,131.02

Signature [signature]
(Authorized Certifying Officer)

Date MAR 19 1954 Vou. No. 245
(See other side)

236.78

(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-E 523 in accordance with the terms of the contract.

Signature B. B. Bevis Title Geologist Date March 9, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck Title ACTING EXECUTIVE OFFICER DMEA REGION VII Date MAR 15 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month February 195 Docket No. DMEA2841 Contract No. IDME-523
Operator's Name Foote Mineral Company Minerals Columbium
Address 18 W. Chelten Ave., Philadelphia, Pa. Tantulum-Beryl & Tin

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Bulldozing	Day			100.00	1 Day		5 Days	100.00
Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
Truck Rental	Wk.			540.00	18 Wk.		18 Wk.	30.00
Shafts								
Winzes								
Drilling: Core NX	Ft.	612.30	73.5'		1303.2			
Chip NX	Ft.	1519.70	217.1'	9,771.68	1242'		2100'	7.00 & 7.00
Auger								
Accountant	Mo.			160.00	4 Mo.		4 Mo.	40.00
Trenching	Ft.	235.80	262'	235.80	262'		2140'	.90
Mat. & Supplies				319.75				350.00
Assays				41.00				
Geologist-Helper	Mo.			2,400.00	6 Mo.		6 Mo.	400.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,367.80		15,568.23				

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 3/3/54 Operator Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

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)

Units drilled to date should be 1303.2' instead of 1242'
WAB

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

OPERATOR'S MONTHLY REPORT FOR THE MONTH OF FEBRUARY, 1954

DMEA Contract IDM-E 523,
Docket 2841

Core Drilling

Moved to and completed core-drill hole 3-2-2 inclined 60 degrees S.50E. Total depth 121.0. Six core samples and one sludge sample. Period covered February 5-10.

Moved to and completed core-drill hole 3-3-1 inclined 50 degrees S.50E. Total depth 222.0. Sixteen core samples planned, and seven sludge samples recovered. Period covered February 14-25.

Moved to core-drill hole 3-7-1 inclined 50 degrees S.50E in vertical plane with 3-3-1. Inclined depth of 17.6 reached by end of month. Period covered February 26-28.

Total footage drilled in February was 360.8 feet divided as follows: noncoring (surface zone) 65.2, NX diamond bits 78.5, and BX diamond bits 217.1

Trenching

Three cross-cut trenches in outcrop of pegmatite 3-5 drilled, blasted, and sampled in 10-ft. intervals, beginning at eastern contact. Aggregate number of samples obtained is 18, and aggregate length of the three trenches is 173 ft., divided as follows: 3-5-T1 is 40 ft., 3-5-T2 is 85 ft., and 3-5-T3 is 48 ft. Odd interval is in westernmost sample in each trench. Period covered February 16-24.

One cross-cut trench 89 feet long dug by hand, showing pegmatite 3-3 to occur in 5 thin layers rather than one massive body. These layers are concordant in weathered mica schist, and were blasted and sledged individually for sampling. Period covered February 1-4.

Total footage trenched in February was 262 feet.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: Kings Mtn PROPERTY OR MINE: Tract #3 DRILL HOLE NO.: 3-2-2 CHANNEL OR TRENCH NO.: — LOCATION:

SURF. ELEV.: INCLINATION: 60° BEARING: S-50-E SIZE OR WIDTH: W to 20.3, NX to 61.4, BX STARTED: 2-5-54 COMPLETED: 2-10-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	20.3	20.3	—	W	WEATHERED MICA SCHIST (W = wing bit, noncoring)	
20.3	22.0	1.7	1.7	100	" PEGMATITE	3-2-2-C1
22.0	29.3	7.3	4.8	66	" MICA SCHIST	
29.3	33.9	4.6	4.6	100	3-2-2-S1	3-2-2-C2
33.9	38.5	4.6	4.6	100	POOR WATER RETURN	3-2-2-C3
38	43.1	4.6	4.6	100	FAIRLY FRESH PEGMATITE	3-2-2-C4
43.1	47.7	4.6	4.6	100		3-2-2-C5
47.7	52.3	4.6	4.6	100		3-2-2-C6
52.3	121.0	68.7	68.7	100	FRESH MICA SCHIST & AMPHIBOLITE	

FOOTE MINERAL COMPANY — EXPLORATION DEPARTMENT—LOG FORM

DIVISION: Kings Mtn | PROPERTY OR MINE: Tract #3 | DRILL HOLE NO.: 3-3-1 | CHANNEL OR TRENCH NO.: — | LOCATION:

SURF. ELEV.: | INCLINATION: 50° | BEARING: S-50-E | SIZE OR WIDTH: W to 34.9; NX to 64.5; BX | STARTED: 2-14-54 | COMPLETED: 2-25-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	34.9	34.9	—	W	WEATHERED MICA SCHIST (W = wing bit - noncoring)	
34.9	39.7	4.8	4.0	84		3-3-1-C1
39.7	44.5	4.8	4.0	84	3-3-1-S1	3-3-1-C2
44.5	49.3	4.8	4.0	84		3-3-1-C3
49.3	54.1	4.8	4.5	92	PEGMATITE OF INCREASING 3-3-1-S2	3-3-1-C4
5[illegible]	58.9	4.8	4.8	100	FRESHNESS 3-3-1-S3	3-3-1-C5
58.9	63.7	4.8	4.8	100	3-3-1-S4	3-3-1-C6
63.7	68.5	4.8	4.8	100	3-3-1-S5	3-3-1-C7
68.5	73.8	5.3	5.3	100	POOR WATER RETURN	3-3-1-C8
73.8	86.0	12.2	12.2	100	FRESH MICA SCHIST	
86.0	86.8	0.8	0.8	100	" PEGMATITE	3-3-1-C9
86.8	107.9	21.1	21.1	100	" MICA SCHIST	
107.9	109.1	1.2	1.2	100	" PEGMATITE	3-3-1-C10
109.1	119.1	10.0	10.0	100	" MICA SCHIST	
119.1	125.1	6.0	6.0	100	FRESH PEGMATITE 3-3-1-S6	3-3-1-C11
125.1	131.1	6.0	6.0	100	3-3-1-S7	3-3-1-C12
1[illegible].1	132.5	1.4	1.4	100	" MICA SCHIST	
132.5	133.6	1.1	1.1	100	" PEGMATITE	3-3-1-C13
133.6	134.9	1.3	1.3	100	" MICA SCHIST	
134.9	139.6	4.7	4.7	100	" PEGMATITE	3-3-1-C14
139.6	143.0	3.4	3.4	100	" MICA SCHIST	
143.0	144.0	1.0	1.0	100	" PEGMATITE	3-3-1-C15
144.0	201.2	57.2	57.2	100	" MICA SCHIST	
201.2	204.3	3.1	3.1	100	" PEGMATITE	3-3-1-C16
204.3	222.0	17.7	17.7	100	" MICA SCHIST	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN. PROPERTY OR MINE: TRACT #3 DRILL HOLE NO.: 3-7-1 CHANNEL OR TRENCH NO.: LOCATION:

SURF. ELEV.: INCLINATION: 50° BEARING: S-50-E SIZE OR WIDTH: W TO 10.0; NX STARTED: 2-28-54 COMPLETED: DRILLING

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0	—	W	RED CLAY & MICA SCHIST (W=Wing bit, noncoring)	
10.0	17.8	7.8	3.5	45	WEATHERED PEGMATITE & MICA SCHIST	

COL

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn PROPERTY OR MINE Tract #3 DRILL HOLE NO. — CHANNEL OR TRENCH NO. 3-3-T1 LOCATION

SURF. ELEV. INCLINATION — BEARING S-50-E SIZE OR WIDTH 6"x6"x 89' STARTED 2-1-54 COMPLETED 2-4-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	18.0	18.0			Weathered Mica Schist	
18.0	21.0	3.0			Pegmatite	3-3-T1A
21.0	41.0	20.0			Wtd Mica Schist	
41.0	44.0	3.0			Pegmatite	3-3-T1B
44.0	62.0	18.0			Wtd Mica Schist	
6[illegible]0	64.0	2.0			Pegmatite	3-3-T1C
64.0	72.0	8.0			Wtd Mica Schist	
72.0	76.0	4.0			Pegmatite	3-3-T1D
76.0	79.0	3.0			Wtd Mica Schist	
79.0	81.0	2.0			Pegmatite	3-3-T1E
81.0	89.0	8.0			Wtd Mica Schist	
					Sampling done westward beginning at east contact	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN PROPERTY OR MINE: TRACT #3 DRILL HOLE NO.: — CHANNEL OR TRENCH NO.: 3-5-T1 LOCATION:

SURF. ELEV.: INCLINATION: — BEARING: S-50-E SIZE OR WIDTH: 6" x 6" x 40' STARTED: 2-16-54 COMPLETED: 2-24-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0				3-5-T1A
10.0	20.0	10.0			PEGMATITE	3-5-T1B
20.0	30.0	10.0				3-5-T1C
30.0	40.0	10.0				3-5-T1D
					TRENCH BLASTED IN HARD ROCK	
					SAMPLING DONE WESTWARD BEGINING AT EAST CONTACT	

COPY

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN | PROPERTY OR MINE: TRACT #3 | DRILL HOLE NO.: — | CHANNEL OR TRENCH NO.: 3-5-T2 | LOCATION:

SURF. ELEV.: | INCLINATION: — | BEARING: S-50-E | SIZE OR WIDTH: 6" X 6" X 85' | STARTED: 2-16-54 | COMPLETED: 2-24-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			PEGMATITE	3-5-T2A
10.0	20.0	10.0				3-5-T2B
20.0	30.0	10.0				3-5-T2C
30.0	40.0	10.0				3-5-T2D
40.0	50.0	10.0				3-5-T2E
[illegible]	60.0	10.0				3-5-T2F
60.0	70.0	10.0				3-5-T2G
70.0	80.0	10.0				3-5-T2H
80.0	85.0	5.0				3-5-T2I

TRENCH BLASTED IN HARD PEGMATITE

SAMPLING DONE WESTWARD BEGINING AT EAST CONTACT

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN | PROPERTY OR MINE: TRACT #3 | DRILL HOLE NO.: — | CHANNEL OR TRENCH NO.: 3-5-T3 | LOCATION:

SURF. ELEV.: | INCLINATION: — | BEARING: S-50-E | SIZE OR WIDTH: 6" x 6" x 48' | STARTED: 2-16-54 | COMPLETED: 2-24-54

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	10.0	10.0			PEGMATITE	3-5-T3A
10.0	20.0	10.0				3-5-T3B
20.0	30.0	10.0				3-5-T3C
30.0	40.0	10.0				3-5-T3D
40.0	48.0	8.0				3-5-T3E
					TRENCH BLASTED IN HARD PEGMATITE	
					SAMPLING DONE WESTWARD BEGINING AT EAST CONTACT	

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration

MAR 2 - 1954

OFFICE OF
REGIONAL DIRECTOR

SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

February 25, 1954

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Chief, Administrative Division, Region VII, Knoxville, Tennessee

Subject: Monthly Reports and Vouchers

We are enclosing two copies of the following monthly report and voucher:

Idm-S-523 Foote Mineral Company
DMEA Docket No. 2841
7th payment - month of January
Amount $2568.31

Helen H. Miller

Enclosures 2

hhm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

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

DEPARTMENT OF THE INTERIOR Defense Minerals Administration MAR 2 - 1954 VOUCHER & SCHEDULE 51

Month of January, 1954 Docket No. DMEA 2641 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantalum
Address 18 W. Chelten Ave., Philadelphia, Pa. Beryl and Tin
Contract Amount, $ 30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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	2453.68	5186.00	7639.68			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	400.00	4000.00	4,400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)		540.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		41.00	41.00			
Payroll Taxes						
Liability Insurance						
Accountant		160.00	160.00			
(8) Contingencies (specify):						
TOTALS	2853.68	10,346.75	13,200.43	2,853.68	10,346.75	13,200.43

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

Date 2/11/54 *Payee Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

*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:

$2,568.31

Signature Cora A. Piper
(Authorized Certifying Officer)

Date FEB 24 1954 Vou. No. 223

(See other side)

285.37

7

(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. 10M-6523 in accordance with the terms of the contract.

Signature B. F. Brie Title Geologist Date Feb 17, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. A. Beck Title ACTING EXECUTIVE OFFICER DMEA REGION VII Date FEB 19 1954

MONTHLY REPORT OF OPERATOR

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

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(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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 - 1954

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

Month of January 195 4 Docket No. DMEA 2841 Contract No. IIME-523
Operator's Name Foote Mineral Company Minerals Columbium
Address 18 W. Chelten Avenue Philadelphia, Pa. Tantulum-Beryl & Tin

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~~ ~~xxxxxx~~ Bulldozing	Day			100.00	1 Day		5 Days	100.00
~~Crosscutting~~ ~~xxxxxxxx~~ Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
~~Raising~~ ~~xxxxx~~ Truck Rental	Wk.			540.00	18 Wk.		18 Wk.	30.00
Shafts								
Winzes								
Drilling: Core NX	Ft.	1510.08	193.6'					
~~Shaft~~ ~~xxxx~~ BX	Ft.	943.60	134.8'	7,639.68	946.4'		2100'	7.80 & 7.00
Auger								
~~Stripping~~ ~~xxxxxx~~ Accountant	Mo.			160.00	4 Mo.		4 Mo.	40.00
~~Trenching~~ ~~xxxxxx~~ Operating								
~~Test Pits~~ ~~xxxxxx~~ Mat. & Sup.				319.75				350.00
~~Roads and Trails~~ ~~xxxxxxxxxx~~ Assays				41.00				
Geologist - Helper	Mo.	400.00	1 Mo.	2,400.00	6 Mo.		6 Mo.	400.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2,853.68		13,200.43				

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

Date 2/11/52 Operator Foote Mineral Company
Kings Mountain Division
Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE MONTH
OF JANUARY, 1954

DEPARTMENT OF THE INTERIOR
Bureau Minerals Administration
RECEIVED
FEB 2 - 1954

DMEA Contract IDM-2523, Project 2041

Completed vertical core-drill hole 3-6-1, from 115.6 to 125.4. The entire log was submitted with the December report, together with location of the hole.

Moved to location 3-8-1 for hole inclined 45 degrees, bearing S.50E. Completed this hole at length of 225.0, with 9 core samples and 8 sludge samples. Period covered January 1-19.

Moved to location 3-1-1 for hole inclined 45 degrees, bearing S.50E. Completed this hole at length of 137.4, with 1 core sample representing a single pegmatite 1.6 feet thick. Period covered January 20-31.

Total footage drilled in January was 372.4 feet, divided as follows: non-coring (surface zone) 44.0, NX diamond bits 193.6, and BX diamond bits 134.8.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

January 26, 1954

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly reports and vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-523 — Foote Mineral Company
DMEA Docket No. 2341
6th payment - month of December
Amount $2137.76

Idm-E-565 — Hardy Calvin Cable
DMEA Docket No. 3030
5th payment - month of December
Amount $450.00

Idm-E-601 — M. E. Burleson, Sam Phillips, John Phillips and Frank Burleson
DMEA Docket No. 3050
2nd payment - month of December
Amount $1363.50

Helen R. Miller

Attachments 6

hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

January 21, 1954

Mr. Thomas L. Kesler, Chief Geologist
Exploration Division
Foote Minerals Company
P.O. Box 31
Kings Mountain, N. C.

Re: DMEA-2841, Idm-E 523
(Columbium-Tantalum-Beryl & tin)
Foote Minerals Co. Cleveland Co.,
North Carolina

Dear Tom:

Reference is made to your Operator's Monthly Report and Voucher for the month of December 1953.

In the third paragraph of your narrative and at the bottom of the drill log, you state that hole 3-6-1 reached a depth of 115.6 feet, yet the last item on this drill log shows that you drilled from 92.8' to 125.6' ; penetrated 32.8' and recovered 32.8' of core.

Please advise this office which figure is correct. We are approving your voucher as you have presented it. It the 125.6' figure is correct you may claim the additional 10 feet of BX drilling on your next voucher.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region VII

WAB/sm
cc:
Beck
Lynch
Bude
Finance Office
Files

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

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

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

JAN 28 1954

Month of December, 1953 Docket No. DMEA 2241 Contract No. IMI-B 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantulum
Address 18 W. Chelten Ave., Philadelphia, Pa. Beryl and Tin
Contract Amount, $ 39,500.00 Government Participation: 50 % Amount, $ 27,450.00

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	1970.84	3215.16	5186.00			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	400.00	3600.00	4000.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Drill Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental (Truck)	60.00	480.00	540.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		41.00	41.00			
Payroll Taxes						
Liability Insurance						
Accountant		160.00	160.00			
(8) Contingencies (specify):						
TOTALS	2430.84	7915.91	10,346.75	2,430.84	7,915.91	10,346.75

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

Date 1/14/54 *Payee Foote Mineral Company
Kings Mountain Division

Per [signature] Title Plant Accountant

*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:

$ 2,187.76

Signature [signature]
(Authorized Certifying Officer)

Date JAN 26 1954 Vou. No. 199

(See other side)

6

243.08

(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-E523 in accordance with the terms of the contract.

Signature B. F. Bunie Title Geologist (WAB) Date January 17, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title EXECUTIVE OFFICER DMEA REGION VII Date JAN 21 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 3 Docket No. DMEA 2841 Contract No. DM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelten Ave., Philadelphia, Pa.

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 Bulldozing	Day			100.00	1 Day		5 Days	100.00
Crosscutting Geologist	Mo.			2,000.00	4 Mo.		4 Mo.	500.00
Raising Truck Rental	Wk.	60.00	2 wk.	540.00	18 wk.		18 Wk.	30.00
Shafts								
Winzes								
Drilling: Core NX	Ft.	992.94	127.3'					
Churn BX	Ft.	977.90	139.7'	5,186.00	618.0'		2100Ft.	7.80 & 7.00
Auger								
Sampling Accountant	Mo.			160.00	4 Mo.		4 Mo.	40.00
Trenching Operating								
Trenches Mat. & Sup.				319.75				350.00
Bombardment Assays				41.00				
Geologist-Helper	Mo.	400.00	1 Mo.	2,000.00	5 Mo.		6 Mo.	400.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2430.84		10,346.75				

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 1/14/53 Operator Foote Mineral Company
Kings Mtn. Division

Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE MONTH OF
DECEMBER, 1953

DMEA Contract IDM-E523, Docket 2841

Completed vertical core-drill hole 3-5-1, which had been drilled to 36.9 in November. Ten core samples and seven sludge samples of pegmatite obtained from this hole, as shown on attached log. Hole abandoned when core spring broke, dropping 4.3 feet of fresh rock in the hold. Periods covered Dec. 1-10 and 21-24.

Drilled inclined core-drill hole 3-5-2, which was abandoned after passing through the same pegmatite penetrated by 3-5-1. Eight core samples and one sludge sample of pegmatite obtained, as shown on attached log. Period covered Dec. 10-21.

Moved to location 3-6-1 on Dec. 26 and drilled through Dec. 31 reaching vertical depth of 115.6. Six core samples of pegmatite as shown. No pegmatite thick enough for sludge sampling was found below 61.0 feet, at which fair water return was obtained with BX casing.

Total footage drilled in December was 285.9 feet divided as follows: non-coring (surface zone) bits 18.9, NX diamond bits 127.3, BX diamond bits 139.7.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: Kings Mtn. PROPERTY OR MINE: Tract #3 DRILL HOLE NO.: 3-5-1 CHANNEL OR TRENCH NO.: — LOCATION:

SURF. ELEV.: INCLINATION: Vert BEARING: — SIZE OR WIDTH: R to 31.5 - NX to 40.9 - BX STARTED: 11-19-53 COMPLETED: 12-24-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	31.5	31.5	R	—	RED CLAY TO MICA SCHIST	
31.5	36.5	5.0	5.0	100	— — — NOV.	3-5-1-C1
36.5	40.9	4.4	4.4	100	DEC.	3-5-1-C2
40.9	46.0	5.1	5.1	100		3-5-1-C3
46.0	51.0	5.0	5.0	100	FRESH PEGMATITE	3-5-1-C4
51.0	56.0	5.0	5.0	100		3-5-1-C5
56.0	61.0	5.0	5.0	100		3-5-1-C6
61.0	66.0	5.0	5.0	100		3-5-1-C7
66.0	69.8	3.8	3.8	100		3-5-1-C8
69.8	87.7	18.9	17.0	90	" MICA SCHIST + AMPHIBOLITE	
87.7	94.0	5.3	5.3	100	" PEGMATITE	3-5-1-C9
94.0	100.5	6.5	6.5	100	" MICA SCHIST + AMPHIBOLITE	
100.5	101.8	1.3	1.3	100	" PEGMATITE	3-5-1-C10
101.8	121.4	19.6	19.6	100	" MICA SCHIST + AMPHIBOLITE	
121.4	126.0	4.6	0.3	?	" PEGMATITE RECOVERED - BROKEN CORE SPRING	
					DROPPED 4.3' CORE IN HOLE	
					ABANDONED	
					SLUDGE SAMPLES 3-5-1-S3, 4, 5, 6, 7, 8, 9	
					CORRESPOND TO CORE SAMPLES 3-5-1-C3, 4, 5, 6, 7, 8, 9	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn PROPERTY OR MINE Tract #3 DRILL HOLE NO. 3-5-2 CHANNEL OR TRENCH NO. — LOCATION 12-10

SURF. ELEV. ____ INCLINATION 45° BEARING ____ SIZE OR WIDTH Winglit To 16.0 = NX STARTED 12-10-53 COMPLETED 12-21-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	16.0	16.0	R	—	WEATHERED AMPHIBOLITE	
16.0	18.0	2.0	2.0	100	" PEGMATITE	3-5-2-C1
18.0	20.0	2.0	2.0	100	" "	3-5-2 E1
20.0	25.5	5.5	5.5	100	" " NO WATER RETURN	C2
25.5	30.5	5.0	4.8	96	" "	C3
30.5	35.5	5.0	4.3	86	" "	C4
35.5	40.5	5.0	5.0	100	" "	C5
40.5	45.5	5.0	4.6	92	" "	C6
45.5	50.5	5.0	4.0	80	" "	C7
50.5	53.3	2.8	2.1	80	" "	C8
53.3	41.2	27.9	22.9	75	" MICA SCHIST WITH STRINGERS OF PEGMATITE IN LAST 10'	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION _____ PROPERTY OR MINE _____ DRILL HOLE NO. _____ CHANNEL OR TRENCH NO. _____ LOCATION _____

SURF. ELEV. _____ INCLINATION _____ BEARING _____ SIZE OR WIDTH Wing bit _____ STARTED _____ COMPLETED _____

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

December 18, 1953

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly report and voucher - schedule of collections

We are enclosing two copies of the following monthly report and voucher:

Idm-E-523 Foote Mineral Company
DMEA Docket No. 2841
5th payment - Month of November
Amount $1587.22

To Contract Div. Also attached are Schedules of Collections, Nos. K-18 and K-19 for your records.

Helen R. Miller

/hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
DEC 21 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1953 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum Beryl and Tin

Address 18 W. Chelten Avenue, Philadelphia 44, Pa.

Contract Amount, $ 30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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	671.58	2,543.58	$3,215.16			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services	900.00	2,700.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes		219.75	219.75			
(4) Operating Equipment:						
Rental						
Purchase (Truck)	120.00	360.00	480.00			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	32.00	9.00	41.00			
Liability Insurance						
Accountant	40.00	120.00	160.00			
(8) Contingencies (specify):						
TOTALS	$1763.58	$6,152.33	$7,915.91	1,763.58	6,152.33	7,915.91

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-36

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

Date 12/11/53 *Payee Foote Mineral Company

Per [signature] Title Kings Mtn. Division Plant Accountant

*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:

$1,587.22

Signature Lillian D Blair
(Authorized Certifying Officer)

Date 12/17/53 Vou. No. 167
(See other side)

176.36

5

(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. 1DM-E523 in accordance with the terms of the contract.

Signature B. F. Bixie Title Geologist Date Dec 13, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lamont Title EXECUTIVE OFFICER DMEA REGION VII 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 21 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl & Tin

Address 18 W. Chelten Avenue, Philadelphia 44, Pa.

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
~~xxxxx~~ Bulldozing				100.00	1 Day	100.00	5 days	100.00
Drifting ~~xxxxxxx~~ Supervision	1 Mo	900.00		3,600.00	4 Mo.	900.00	4 Mo.	900.00
Crosscutting ~~xxxx~~ Truck Rental	4 wk.	120.00		480.00	16 Wk.	30.00		30.00
Raising								
Shafts								
Winzes	86.1ft.	671.58		3,215.16	351.0ft.	7.80	2100 ft.	7.80
Drilling: Core								
Churn								
Auger								
~~xxxxx~~ Accountant	1 Mo.	40.00		160.00	4 Mo.	40.00	4 Mo.	40.00
Stripping ~~xxxxxx~~ Operating								
Trenching ~~xxxxx~~ Mat. & Sup.				319.75				350.00
Test Pits								
Roads and Trails								
Assays		32.00		41.00				5,500.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$1,763.58		$7,915.91				

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 12/11/53 Operator Foote Mineral Company
Kings Mtn. Division

Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE
MONTH OF NOVEMBER, 1953

DMEA Contract IDM-E523, Docket 2841

Completed core-drill hole 3-4-2, which had been drilled to 58.2 in October. Nine core samples and four sludge samples obtained from the entire hole, as indicated in the attached log. Hole abandoned owing to thinness of pegmatites with increasing depth. Period covered, November 2-18.

Moved to location 3-5-1 on November 19, where a wrench was dropped in the hole on the 20th., causing abandonment. New hole at this site started on the 23rd, and continued until the end of the month.

Total footage drilled in November was 117.6 feet, the NX footage was 86.1 feet, and the core recovered was 86.0 feet. BX equipment was ordered and on hand, as now permitted by the contract, but was not used unitl after November 30.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION [illegible] PROPERTY OR MINE [illegible] DRILL HOLE NO. 3-4-2 CHANNEL OR TRENCH NO. _____ LOCATION _____

SURF. ELEV. _____ INCLINATION [illegible] BEARING _____ SIZE OR WIDTH [illegible] 37.4 NX STARTED 10-28-53 COMPLETED 11-12-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	27.4	27.4	R	—	[illegible]	
27.4	32.0	2.6	1.0	70	[illegible]	3-4-2-01
32.0	35.4	3.4	2.9	79	[illegible]	
35.4	37.6	2.2	2.0	91	[illegible]	
37.6	42.3	4.7	4.7	100	[illegible]	
[illegible]3	50.5	8.2	8.2	100	" [illegible]	
50.5	54.9	4.4	4.4	100	" [illegible]	3-4-2-02
54.9	59.3	4.4	4.4	100	" "	3-4-2-03
59.3	63.7	4.4	4.4	100	" "	3-4-2-04
63.7	65.2	1.5	1.5	100	" [illegible]	
65.2	67.2	1.9	1.9	100	" [illegible]	3-4-2-05
67.2	112.0	45.0	45.0	100	" [illegible]	
112.0	118.0	6.0	6.0	100	" [illegible]	3-4-2-06
118.0	122.5	4.5	4.5	100	" [illegible]	
122.5	124.4	1.9	1.9	100	" [illegible]	3-4-2-07
124.4	128.9	4.5	4.5	100	" [illegible]	
[illegible]9	136.0	7.1	7.1	100	" [illegible]	3-4-2-08
136.0	143.4	7.4	7.4	100	" [illegible]	
143.4	144.9	1.5	1.5	100	" [illegible]	3-4-2-09
	[illegible]					
[illegible]	[illegible]				3-4-2-02 3-4-2-03 3-4-2-[illegible] and 3-4-2-06 [illegible]	
	[illegible]				[illegible]	
	[illegible]				[illegible]	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kaiyuktitu. PROPERTY OR MINE Grant 3 DRILL HOLE NO. 3-5-1 CHANNEL OR TRENCH NO. _____ LOCATION _____

SURF. ELEV. _____ INCLINATION Vertical BEARING _____ SIZE OR WIDTH Hole To 31.5 - NX STARTED 11-18-53 COMPLETED Non drilling

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	31.5	31.5	R	—	Strongly weathered aire a shist & amphibolite with thin beds of graphite.	
31.5	36.1	5.4	5.4	100	Fresh fegmatite	3-5-1-C1
	Drilling					
	No sludge				sample due to from water return.	

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 10, 1954

Mr. Thomas L. Kesler, Chief Geologist
Foote Mineral Company
P.O. Box 31
Kings Mountain, North Carolina

Re: DMEA-2841, Idm-E 523

Dear Tom:

In going over your monthly report and vouchers I note an error in your "Units to Date" column for core drilling on form MR-104A for October 1953. The amount should have been 326.1 feet instead of 264.9 feet, making a difference of 61.2 feet. This has been carried on each month. Your January 1954 report should have been 1007.6 feet instead of 946.4 feet.

I have figured that your non-coring drilling through January amounted to 2,960 feet, thus your total drilling to February 1, 1954 was 1,303.6 feet.

Sorry that we did not catch the above error before.

Very truly yours,

Wm. A. Beck

AB/sm
cc:
Beck
Buie
Fourre Mine
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

Defense Minerals Administration
RECEIVED
NOV 27 1953

November 25, 1953

DMEA-2841

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly reports and vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-523 — Foote Mineral Company
DMEA Docket No. 2841
4th payment - month of October
Amount $1710.72

Idm-E-602 — Joe A. Beasley
DMEA Docket No. 2871
1st payment - month of October
Amount $450.00
Starting Date: October 20, 1953

The starting date on contract Idm-E-612, DMEA Docket No. 3130, E. R. Wellmon, was October 15, 1953.

Helen R. Miller

Enclosures 4

/hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

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

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 37

137

RECEIVED NOV 27 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October 1953 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company

Address 18 W. Chelten Ave., Philadelphia, Pa.

Minerals Columbium-Tantulum-Beryl and Tin

Contract Amount, $ 30,500.00 Government Participation: 90% Amount, $ 27,450.00

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	787.80	1,755.78	2,543.58			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	900.00	1,800.00	2,700.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools		100.00	100.00			
Core Boxes	44.00	175.75	219.75			
(4) Operating Equipment: (Truck)						
Rental	180.00	180.00	360.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	9.00		9.00			
Payroll Taxes						
Liability Insurance						
Accountant	40.00	80.00	120.00			
(8) Contingencies (specify): Truck Rental	(60.00)	60.00	.00			
TOTALS	1,900.80	4,251.53	6,152.33	1,900.80	4,251.53	6,152.33

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

Date 11/11/53 *Payee Foote Mineral Company

Per [signature] Title Kings Mountain Div. Plant Accountant

*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:

$1,710.72

Signature Cora A. Piper
(Authorized Certifying Officer)

Date NOV 24 1953 Vou. No. 137

(See other side)

* Note: Amount of $60.00 charged to contingencies for the month of September transferred to operating equipment-Truck Rental.

4

190.04

(For Government use only)

(Rec'd Nov 13, 1953) BMB

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-E523 in accordance with the terms of the contract.

Signature B. F. Bure Title Geologist Date Nov 14, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title EXECUTIVE OFFICER DMEA REGION VII Date NOV 23 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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 2841 Contract No. IDMEE 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelten Ave., Philadelphia, Pa.

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
Bulldozing				100.00	1 Day	100.00	5 Days	100.00
Supervision	1 Mo.	900.00		2,700.00	3 Mo.	900.00	4 Mo.	900.00
Truck Rental	4 wk.	120.00		360.00	12 wk.	30.00		30.00
Shafts								
Winzes								
Drilling: Core	101.0 FT.	787.80		2,543.58	264.9 Ft. ? 324.1	7.80	2100 FT.	7.80
Churn								
Auger								
Accountant	1 Mo.	40.00		120.00	3 Mo.	40.00	4 Mo.	40.00
Operating Mat. and Sup.		44.00		319.75				350.00
Roads and Trails								
Assays		9.00		9.00				5,500.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1,900.80		6,152.33				

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 11/11/53 Operator Foote Mineral Company
Kings Mtn. Division

Per [signature] Title Plant Accountant

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE MONTH OF OCTOBER, 1953

DMEA Contract IDM-E523, Docket 2841

Work Accomplished

Moved to and completed core-drill hole 4-1-3, which was abandoned at 33.1 where cuttings of rotten pegmatite choked the hole. Period covered, October 1-14.

Moved to and completed core-drill hole 3-4-1, which was abandoned at 58.2 where cuttings of weathered pegmatite and mica schist from the upper walls choked the hole. Period covered, October 15-27.

Moved on October 28 to hole site 3-4-2, which reached a depth of 58.2 at the close of work October 30, This hole is being continued, and is the first hole to give satisfactory water circulation since the beginning of the program.

Total footage drilled in October was 149.5 feet, the NX footage was 101.0 feet, and the core recovered was 79.0 feet.

2

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FOOTE MINERAL COMPANY

NOV 23 1953

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn. PROPERTY OR MINE Jackson DRILL HOLE NO. 4-1-3 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vertical BEARING — SIZE OR WIDTH Rollerato 2.9 - NX STARTED 10-2-53 COMPLETED 10-14-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	2.9	2.9	R	—	RED CLAY	
2.9	7.7	4.8	3.9	80	WEATHERED PEGMATITE WATER RETURN WEAK TO NIL	4-1-3-C1
7.7	12.7	5.0	4.3	86	" "	4-1-3-C2
12.7	17.3	4.6	4.0	90	" "	4-1-3-C3
17.3	22.2	4.9	3.5	71	" "	4-1-3-C4
22.2	28.2	6.0	4.5	75	" "	4-1-3-C5
28.2	33.1	4.9	0.6	12	" " VERY ROTTEN CUTTINGS CHOKED HOLE	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN | PROPERTY OR MINE: TRACT #3 | DRILL HOLE NO.: 3-4-1 | CHANNEL OR TRENCH NO.: — | LOCATION:

SURF. ELEV.: | INCLINATION: VERTICAL | BEARING: — | SIZE OR WIDTH: ROLLER TO 16.2 – NX | STARTED: 10-19-53 | COMPLETED: 10-27-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	16.2	16.2	R	—	RED CLAY & MICA SCHIST	
16.2	22.0	5.8	5.0	86	WEATHERED PEGMATITE WATER RETURN WEAK TO NIL	3-4-1-C1
22.0	45.0	23.0	13.0	56	WEATHERED MICA SCHIST	
45.0	48.7	3.7	3.7	100	FRESH PEGMATITE	3-4-1-C2
48.7	58.2	9.5	9.3	98	FRESH MICA SCHIST	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn. PROPERTY OR MINE Rae #3 DRILL HOLE NO. 3-4-2 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vertical BEARING — SIZE OR WIDTH Reduced to 2.4 = NX STARTED 10-28-53 COMPLETED 10-30-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	29.4	29.4	R	—	Red Clay & weathered Mica Schist	
29.4	32.0	2.6	1.8	70	" Pegmatite	
32.0	34.0	3.0	2.0	71	Brown Broken Mica Schist	
34.0	37.6	2.2	1.0	41	Fresh Pegmatite with Mica Schist partings	
37.6	42.3	4.7	4.7	100	" Mica Schist	
42.3	50.5	8.2	8.2	100	" Amphibolite	
50.5	52.9	2.4	2.4	100	" Pegmatite	3-4-2-C1
52.9	58.2	5.3	5.3	100	" "	3-4-2-C2
					Sunset	
58.2	63.5	5.3	5.3	100	Fresh Pegmatite	3-4-2-C2

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 29 1953

October 28, 1953

Memorandum

To: J. L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly reports and vouchers

We are enclosing two copies of the following monthly report and voucher:

Idm-E-523 Foote Mineral Company
DMEA Docket No. 2841
3rd payment - month of September
Amount $2260.18

Helen R. Miller

Enclosures 2

/hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

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

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

116

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE
CERTIFICATE K- 24

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September 1953 Docket No. DMEA 2041 Contract No. ID-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelten Avenue, Philadelphia, Pa.

Contract Amount, $ 30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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	1278.42	477.36	1755.78			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	900.00	900.00	1800.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools	17.60	82.40	100.00			
Core Boxes	155.29	20.46	175.75			
(4) Operating Equipment:						
Rental (Truck)	60.00	120.00	180.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
~~Liability~~ Insurance ~~XXXXXXXXXX~~ Accountant	40.00	40.00	80.00			
(8) Contingencies (specify):						
Truck Rental	60.00	-	60.00			
TOTALS	2511.31	1740.22	4251.53			

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

Date 10/23/53 *Payee Foote Mineral Company
Kings Mtn. Division

Per [signature] Title Plant Accountant

*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:

$2,260.18

Signature Cora A. Piper
(Authorized Certifying Officer)

Date OCT 28 1953 Vou. No. 116

(See other side)

3

2511.13

(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-E523 in accordance with the terms of the contract.

Signature B. F. Buie Title Geologist Date Oct. 23, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemmon Title EXECUTIVE OFFICER DMEA REGION VII Date OCT 26 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 Sept. 1953 Docket No. DMEA 2341 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelten Ave., Philadelphia, Pa.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Bulldozing				100.00	1 Day	100.00	5 Days	100.00
Supervision	1 Mo.	900.00		1800.00	2 Mo.	900.00	4 Mo.	900.00
Truck Rental	2 wk.	60.00		180.00	6 wk.	30.00	6 wk.	30.00
Shafts								
Winzes								
Drilling: Core	163.9Ft.	1278.42	✓	1755.78 ✓	225.1Ft.	7.80	2100 Ft.	7.80
Churn								
Auger								
Accountant	1 Mo.	40.00		80.00	2 Mo.	40.00	4 Mo.	40.00
Operating								
Mat. & Sup.		172.89		275.75				350.00
Contingency- (Truck Rental)	2 wk.	60.00		60.00	2 wk.	30.00		1904.00
TOTAL DISTRIBUTED COSTS		2511.31		4251.53				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2511.31		4251.53				

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 10/23/53 Operator Foote Mineral Company

Per [signature] Title Plant Accountant Kings Mtn. Division

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE MONTH OF SEPTEMBER, 1953

DMEA Contract IDM-E523, Docket 2841

Work Accomplished

Completed core-drill hole 4-2-1, which had been started in August. Moved to and completed core-drill-holes 4-3-1 and 4-3-2. Logs of this work are attached hereto. Unusual difficulties continued, due to open seams and zones of rotten pegamatite and country rocks taking part or all of the water. This prevented the flushing out of cuttings for most of the footage, and caused $410.50 worth of tools to become stuck in hole 4-3-2. As a result, the hole had to be abandoned at insufficient depth.

Hole 4-2-1 was completed in the period Sept. 1-4, moving and mechanical preparations occupied Sept. 8 and 9. Hole 4-3-1 was drilled between Sept. 10 and 23. The drill was moved to site 4-3-2 on Sept. 24, and the hole was started the same day and was abandoned Sept. 30.

The total footage drilled was 213.0 feet, the NX footage was 163.9 feet, and the core recovered was 107.9 feet.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn PROPERTY OR MINE Jackson DRILL HOLE NO. 4-2-1 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vert. BEARING — SIZE OR WIDTH Roller to 8.4 - NX STARTED 8-27-53 COMPLETED 9-4-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
					Log from Sept. 1st only	
17.6	53.0	35.4	4.9	14	Weathered mica schist and amphibolite interbedded	
53.0	67.4	14.4	13.8	96	Amphibolite with calcite veinlets	
					Water circulation lost at 10.0, hole abandoned	

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION: KINGS MTN | PROPERTY OR MINE: JACKSON | DRILL HOLE NO.: 4-3-1 | CHANNEL OR TRENCH NO.: | LOCATION:

SURF. ELEV.: | INCLINATION: VERT. | BEARING: | SIZE OR WIDTH: ROLLER TO 25.4 – NX | STARTED: 9-10-53 | COMPLETED: 9-23-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	20.9	20.9	R	–	RED CLAY	
20.9	25.4	4.5	R		WEATHERED PEGMATITE	
25.4	26.3	0.9	0.9	100	" " WATER RETURN WEAK TO NIL	
26.3	41.7	15.4	10.5	69	" COARSE GRAINED MICA SCHIST	
41.7	61.8	20.1	8.1	40	" PEGMATITE (REAMED TO 42.0 & RESET CASING)	4-3-1-61
61.8	69.7	7.9	7.5	95	FRESH PEGMATITE WITH ONE THIN LAYER OF MICA SCHIST AT 68.7	4-3-1-62
69.7	71.5	1.8	1.8	100	" MICA SCHIST	
71.5	76.6	5.1	5.1	100	FRESH PEGMATITE	4-3-1-63
76.6	81.7	5.1	5.1	100		4-3-1-64
81.7	86.9	5.2	5.2	100		4-3-1-65
86.9	93.1	6.2	6.0	97	FRESH MICA SCHIST	
93.1	97.2	4.1	4.1	100	" PEGMATITE	4-3-1-66
97.2	100.9	3.7	3.7	100	" MICA SCHIST	
100.9	103.1	2.2	1.7	77	" PEGMATITE	4-3-1-67

COPY

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn. PROPERTY OR MINE Jackson DRILL HOLE NO. 4-3-2 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vertical BEARING — SIZE OR WIDTH Roller to 23.7 – NX STARTED 9-24-53 COMPLETED 9-30-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	23.7	23.7	R	–	Mica schist and red clay	
23.7	29.5	5.8	4.8	82		4-3-2-C1
29.5	34.8	5.3	5.0	94	Fairly fresh pegmatite	4-3-2-C2
34.8	39.6	4.8	4.8	100		4-3-2-C3
39.6	42.9	3.3	2.8	85	Water return weak to nil from 39.6	4-3-2-C4
42.[illegible]	58.7	15.8	12.1	77	Weathered to fairly fresh mica schist	
58.7	60.1	1.4	–	–	Drilling fast, probably mica schist, barrell locked in hole. Could not recover.	
					Sludge Samples	
23.7	29.5	5.8	4.8	82		4-3-2-S1
29.5	34.8	5.3	5.0	94	Fairly fresh pegmatite	4-3-2-S2
34.8	39.6	4.8	4.8	100		4-3-2-S3

COPY

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 9 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Aug. 1953 Docket No. DMEA 2841 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin
Address 12 W. Chelten Ave., Philadelphia, Pa.
Contract Amount, $ 30,500.00 Government Participation: 90 % Amount, $ 27,450.00

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	477.36		477.36			
Bulldozing		100.00	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	900.00		900.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools	36.40	46.00	82.40			
Core Boxes	20.46		20.46			
(4) Operating Equipment:						
Rental Trucks	120.00		120.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Accountant	40.00		40.00			
(8) Contingencies (specify):						
TOTALS	1594.22	146.00	1740.22	1,594.22	146.00	1,740.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-18

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

Date 9-25-53 *Payee Foote Mineral Co. Kings Mountain, Div.

Per [signature] Title Plant Accountant

*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:

$ 1,434.80

Signature Cora A. Piper
(Authorized Certifying Officer)

Date OCT 5 1953 Vou. No. 91

(See other side)

2

15942

(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-E523 in accordance with the terms of the contract.

Signature B. F. Bisie Title Geologist Date Sep. 29, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemieux Title EXECUTIVE OFFICER DMEA REGION VII Date OCT 1 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.

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Aug. 195 3 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelten Avenue, Philadelphia, Pa.

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~~ Bulldozing	1 Day			100.00	1 Day	100.00	5 Days	100.00
~~Shaft~~ Supervision	1 Mo.	900.00		900.00	1 Mo.	900.00	4 Mo.	900.00
~~Winze~~ Truck Rental	4 wk.	120.00		120.00	4 Wk.	30.00	6 Wks.	30.00
Drilling: Core	61.2 FT.	477.36		477.36	61.2 Ft.	7.80	2100 ft.	7.80
Churn								
Auger								
~~Stripping~~ Operating								
~~Trenching~~ Materials and								
~~Test Pits~~ Supplies		56.86		102.86				350.00
Roads and Trails								
Accountant	1 Mo.	40.00		40.00	1 Mo.	40.00	4 Mo.	40.00
TOTAL DISTRIBUTED COSTS		1594.22		1,740.22				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1594.22		1,740.22				

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 9/25/53 Operator Foote Mineral Company

Per [signature] Title Plant Accountant Kings Mtn. Div.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S MONTHLY REPORT FOR THE MONTH OF AUGUST, 1953

D.M.E.A. Contract IDM-E523, Docket 2841

Work Accomplished

Planned initial work for core drill in Tract 4. Assembled and moved new drill and accessory equipment to the tract: Trained inexperienced drill crew, and completed 165.2 feet of drilling of which 61.2 feet was with NX core barrel recovering only 29.9 feet of core due to extreme weathering.

Daily notes

Aug. 3-5. Planned core drilling in Tract 4.

Aug. 6-7. Moved drill and accessory equipment to Tract 4, and set up on hole 4-1-1.

Aug. 10-19.
Hole 4-1-1 drilled to 49.9 feet as training period for inexperienced crew. Lost drive shoe in hole-abandoned.

Aug. 20. Moved drill to hole location 4-1-2.

Aug. 21-26.
Hole 4-1-2 drilled to 97.7, and abandoned due to blocking of weathered and fractured rock in core barrel.

Aug. 27. Moved drill to hole location 4-2-1.

Aug. 28. Bottomed on sloping pegmatite surface at 8 feet. Cemented hole to provide flat seat for casing.

Aug. 31. Resumed drilling. Encountered thoroughly weathered pegmatite at 8.5 feet. Hole 4-2-1 uncompleted at end of month.

Logs of holes 4-1-1, 4-1-2, and 4-2-1 (through Aug. 31) are attached hereto.

Slowness of the work to date is due to new equipment and inexperienced help, but the poor core recovery is due solely to the strong effects of weathering near the surface. Less than 0.5 feet total of pegmatite core recovered--insufficient for assay.

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kingsville PROPERTY OR MINE Jackson DRILL HOLE NO. 4-1-1 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vert. BEARING — SIZE OR WIDTH R. to 37.2; NX below STARTED 8-10-53 COMPLETED 8-19-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	37.2	37.2	R	—	Red clay grading into partly weathered amphibolite.	
37.2	49.9	12.7	0.4	3	Coarse-grained amphibolite — nearly fresh but easily disintegrated by the diamond bit.	
					Lost drive shoe — could not recover — hole abandoned.	
					R = roller bit (non coring)	

Copy

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn. PROPERTY OR MINE Jackson DRILL HOLE NO. 4-1-2 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vert. BEARING — SIZE OR WIDTH R. to 64.1; NX below. STARTED 8-21-53 COMPLETED 8-26-53

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	52.2	52.2	R	—	Red clay and amphibolite.	
52.2	64.1	11.9	R	—	Mica schist.	
64.1	69.1	5.0	2.0	40	Interbedded mica schist and amphibolite with quartz	
69.1	74.7	5.6	4.5	80	stringers. Dip of layers ranges from 45°	
74.7	80.0	5.3	3.8	71	to 60°. Mostly amphibolite, with minor	
80.0	84.4	4.4	3.5	80	faulting, below 80 feet.	
84.4	89.4	5.0	5.0	100		
89.4	94.6	5.2	4.0	80		
94.6	97.7	3.1	2.5	81		

Abandoned due to blocking of core barrel by weathered + fractured rock.

R = roller bit (non-coring)

Copy

FOOTE MINERAL COMPANY

EXPLORATION DEPARTMENT—LOG FORM

DIVISION Kings Mtn. PROPERTY OR MINE Jackson DRILL HOLE NO. 4-2-1 CHANNEL OR TRENCH NO. — LOCATION

SURF. ELEV. INCLINATION Vert. BEARING — SIZE OR WIDTH R. to 2.7; NX below. STARTED 8-28-53 COMPLETED Drilling

FROM	TO	PEN.	CORE	% REC.	MATERIAL AND REMARKS	SAMPLE
0.0	8.0	8.0	R	—	Red clay — bottomed on sloping surface of pegmatite. Cemented back to 1.7' for flat seating for casing.	
0.0	2.7	2.7	R	—	1.7' open hole plus 1.0' cement.	
2.7	4.7	2.0	2.0	100	Cement.	
4.7	9.8	5.1	1.0	20	Cement to 8.0'; wthrd. pegmatite below.	
9.8	12.6	2.8	0.1	4	Weathered pegmatite.	
12.6	17.6	5.0	0.1	2	ditto	
Still drilling left. 1 ft						

R = roller bit (non-coring)

Copy

Form MF-104 (Rev.)
(April 19[illegible])

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ON VOUCHER & SCHEDULE
PAYMENTS K- 10

53

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 2841 Contract No. IDM-E 523
Operator's Name Foote Mineral Company Minerals Columbium-Tantalum
Address 18 W. Chelton Ave., Philadelphia, Pa. Beryl and Tin
Contract Amount, $30,500.00 Government Participation: ____% Amount, $27,450.00

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						
Bulldozing	100.00	--	100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Small Tools	46.00	--	46.00			
(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	146.00	--	146.00	146.00	—	146.00

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

Date 8/10/53 *Payee Foote Mineral Company
Per [signature] Title Plant Accountant, Kings Mountain Plant

*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:

$131.40

Signature Cora A. Piper (Authorized Certifying Officer)
Date AUG 20 1953 Vou. No. 53
(See other side)

Ret S-7/28/53 14.60

(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-E523 in accordance with the terms of the contract.

Signature Wm M Beck Title Mining Engr. USBM Date AUG 17 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER ~~DMEA REGION VII~~ Date AUG 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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 2841 Contract No. IDM-E 523

Operator's Name Foote Mineral Company Minerals Columbium-Tantulum-Beryl and Tin

Address 18 W. Chelton Ave., Philadelphia, Pa.

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								
Churn								
Auger								
Stripping								
Trenching								
~~XXXXXX~~ Small Tools		46.00		46.00				100.00
Roads and Trails								
Bulldozing	1 day	100.00	1 day	100.00	1 day	100.00	5 days	100.00
TOTAL DISTRIBUTED COSTS		146.00		146.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		146.00		146.00				

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 8/10/53 Operator Foote Mineral Company

Per [signature] Title Plant Accountant Kings Mountain Plant

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

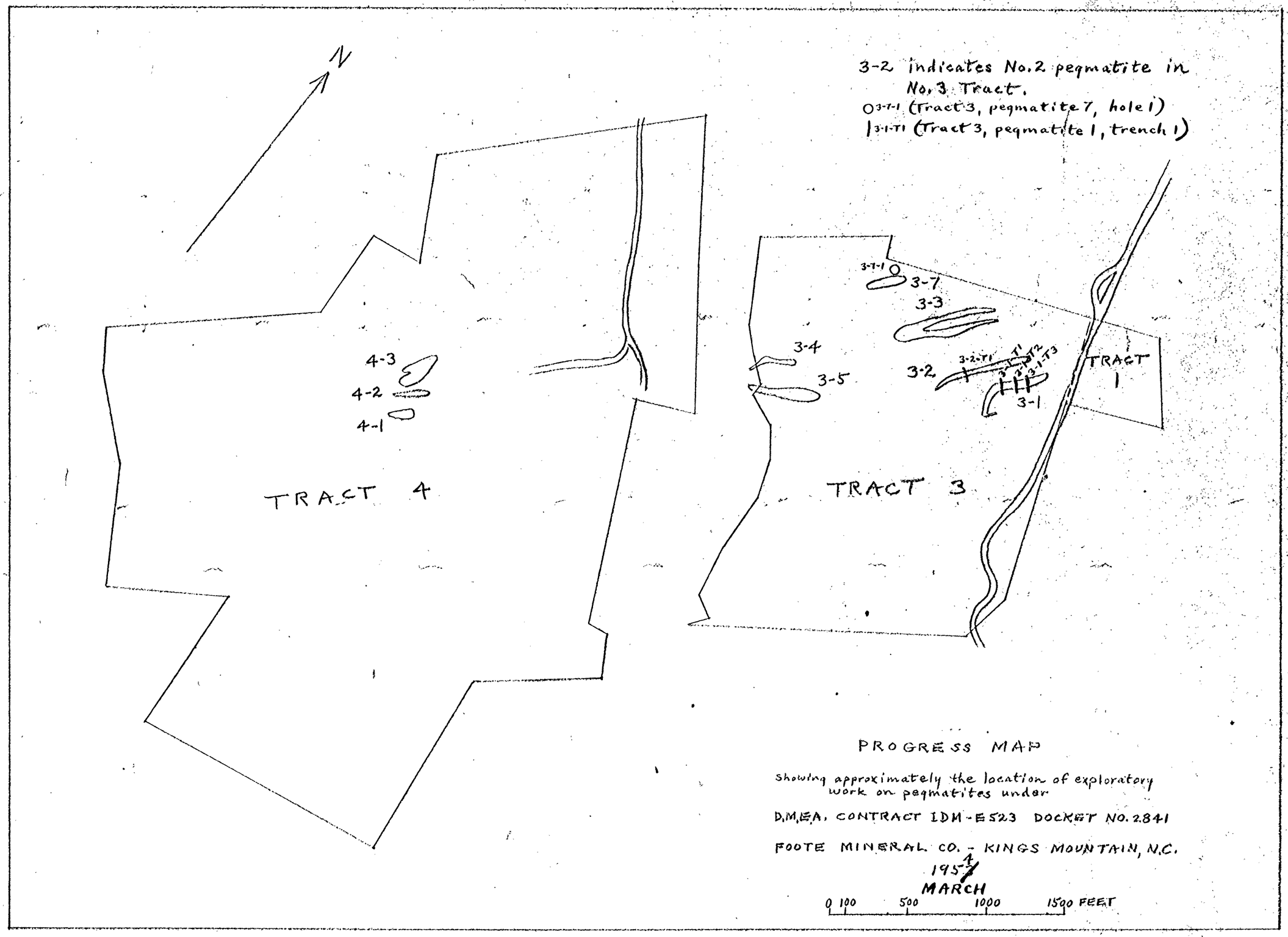
OPERATOR'S MONTHLY REPORT FOR THE MONTH OF JULY, 1953

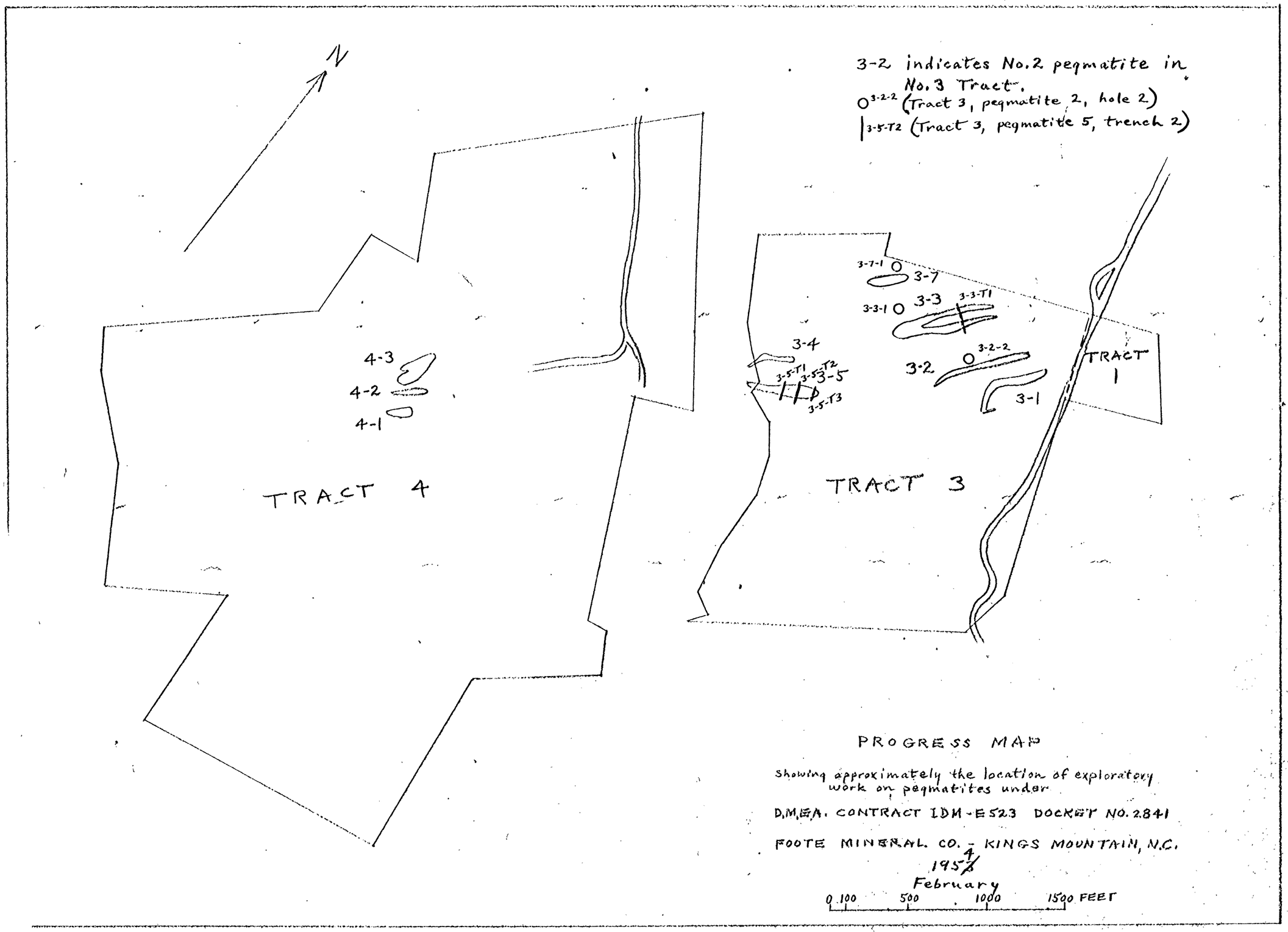
DMEA No. 2841
IDM-E-523

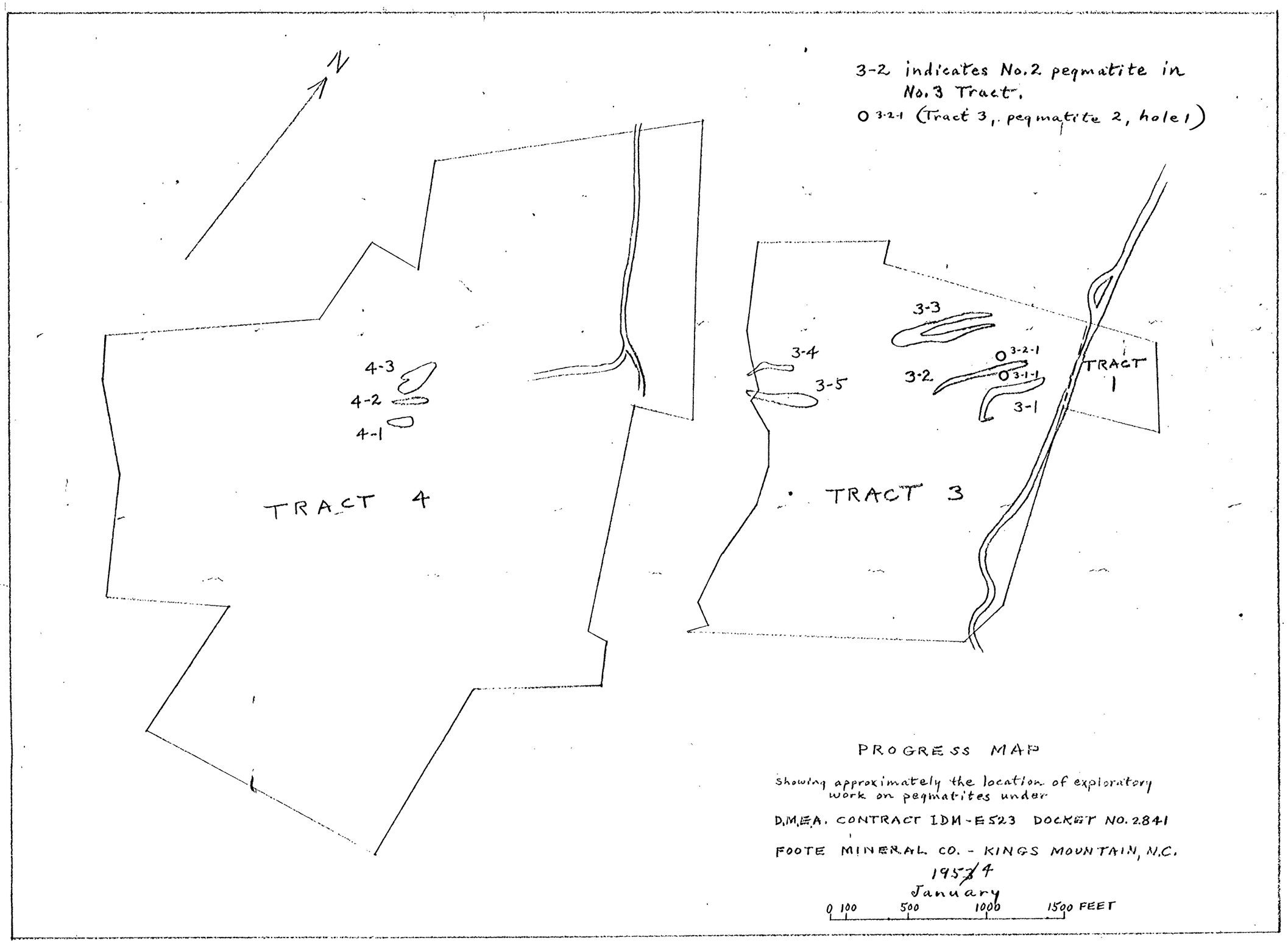
Work Accomplished

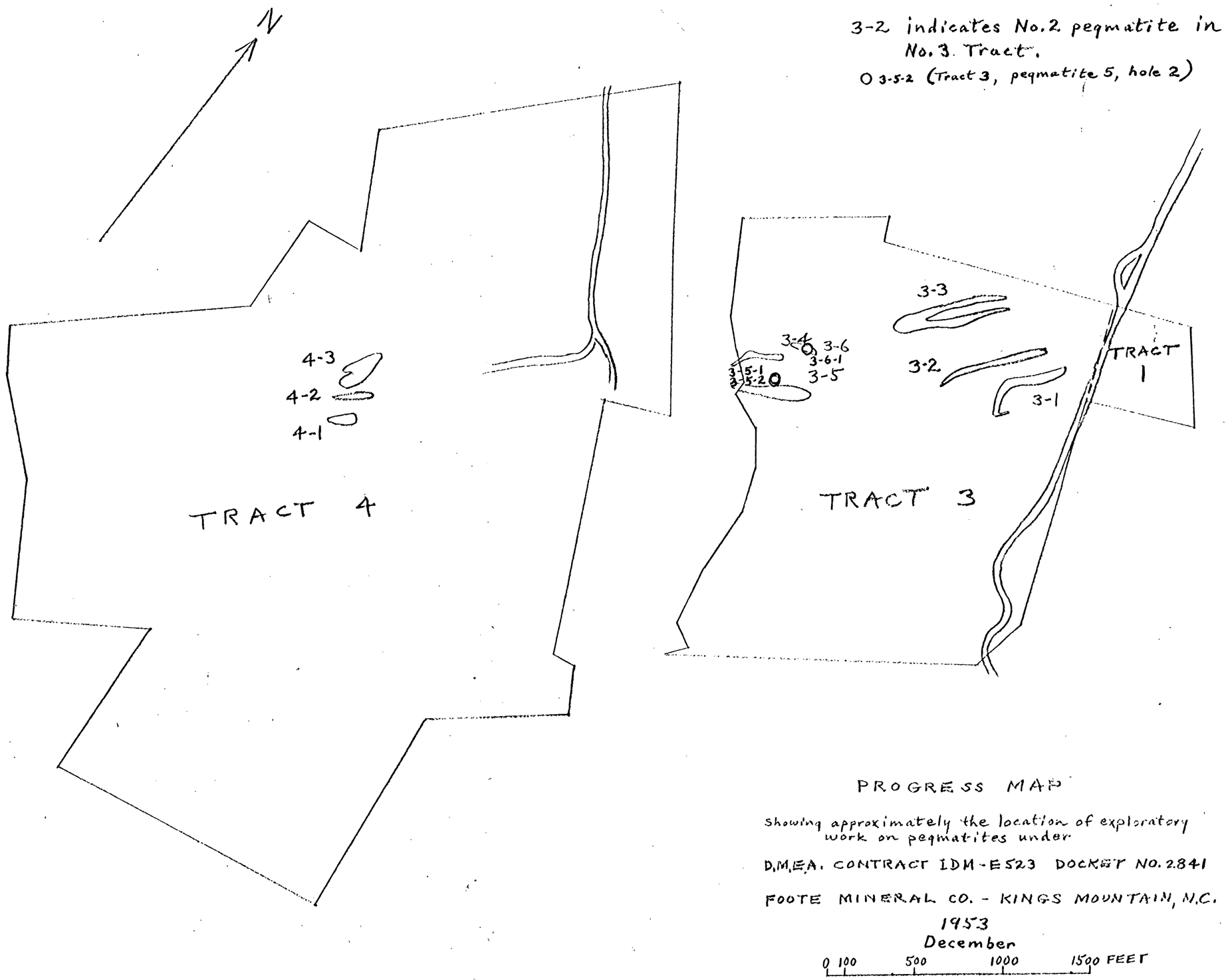
Bulldozed access road approximately 2,400 feet in length along the trend of the pegmatites in Tract No. 3. Work performed on July 28, and included laying two culverts.

Obtained miscellaneous small tools for exploratory work.


N
3-2 indicates No.2 pegmatite in No.3 Tract.
3-7-1 (Tract 3, pegmatite 7, hole 1)
3-1-T1 (Tract 3, pegmatite 1, trench 1)
4-3
4-2
4-1
TRACT 4
3-7-1
3-7
3-3
3-4
3-5
3-2
3-2-T1
3-1
TRACT 1
TRACT 3
PROGRESS MAP
Showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1954
MARCH
0 100 500 1000 1500 FEET


N
3-2 indicates No.2 pegmatite in No.3 Tract.
3-2-2 (Tract 3, pegmatite 2, hole 2)
3-5-T2 (Tract 3, pegmatite 5, trench 2)
4-3
4-2
4-1
TRACT 4
3-7-1
3-7
3-3-1
3-3
3-3-T1
3-4
3-5-T1
3-5-T2
3-5
3-5-T3
3-2
3-2-2
3-1
TRACT 1
TRACT 3
PROGRESS MAP
Showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1954
February
0 100 500 1000 1500 FEET


3-2 indicates No. 2 pegmatite in No. 3 Tract.
O 3-2-1 (Tract 3, pegmatite 2, hole 1)
N
4-3
4-2
4-1
TRACT 4
3-3
3-4
3-5
3-2
O 3-2-1
O 3-1-1
3-1
TRACT 1
TRACT 3
PROGRESS MAP
Showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1954
January
0 100 500 1000 1500 FEET



PROGRESS MAP

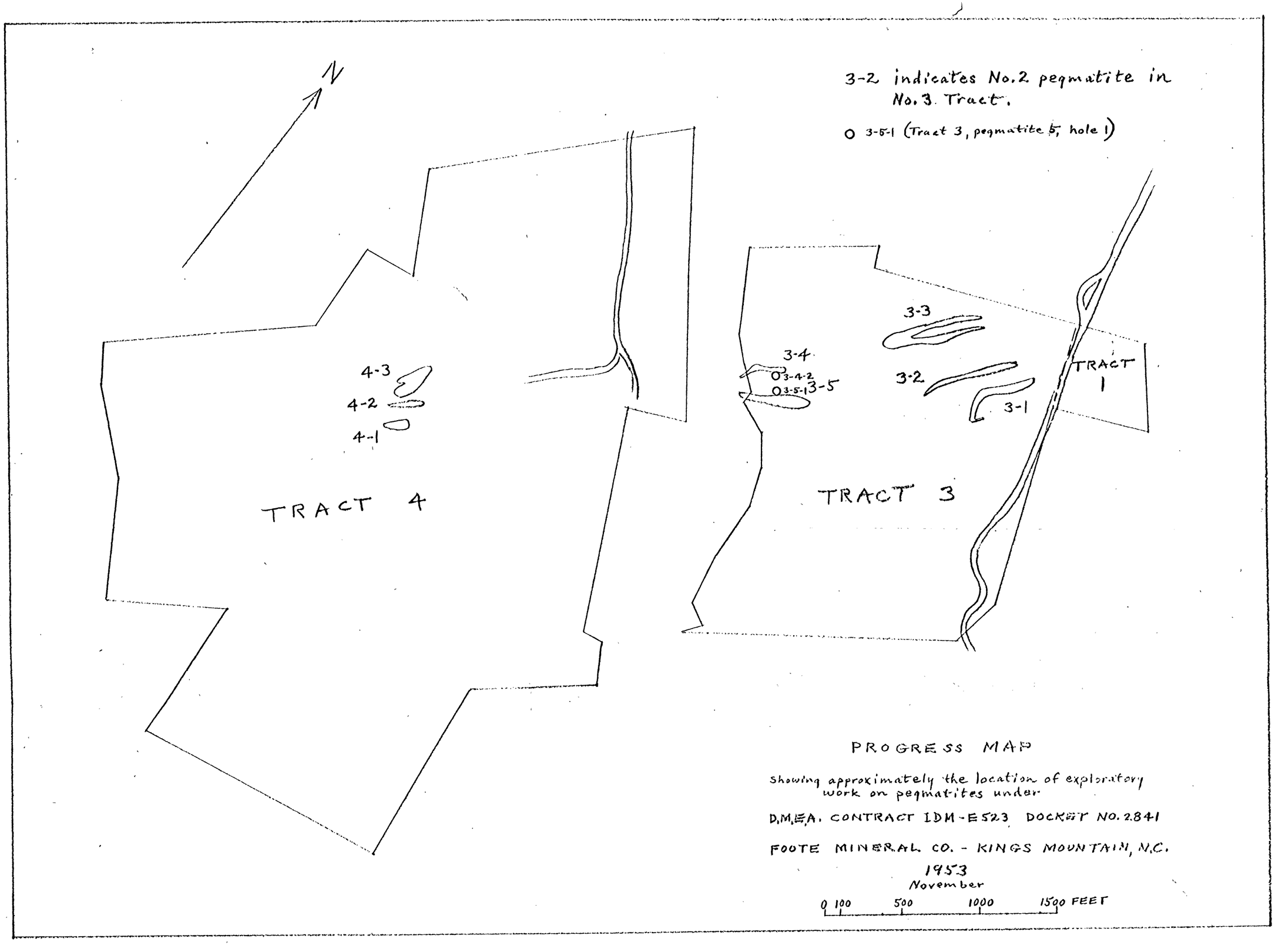
Showing approximately the location of exploratory work on pegmatites under

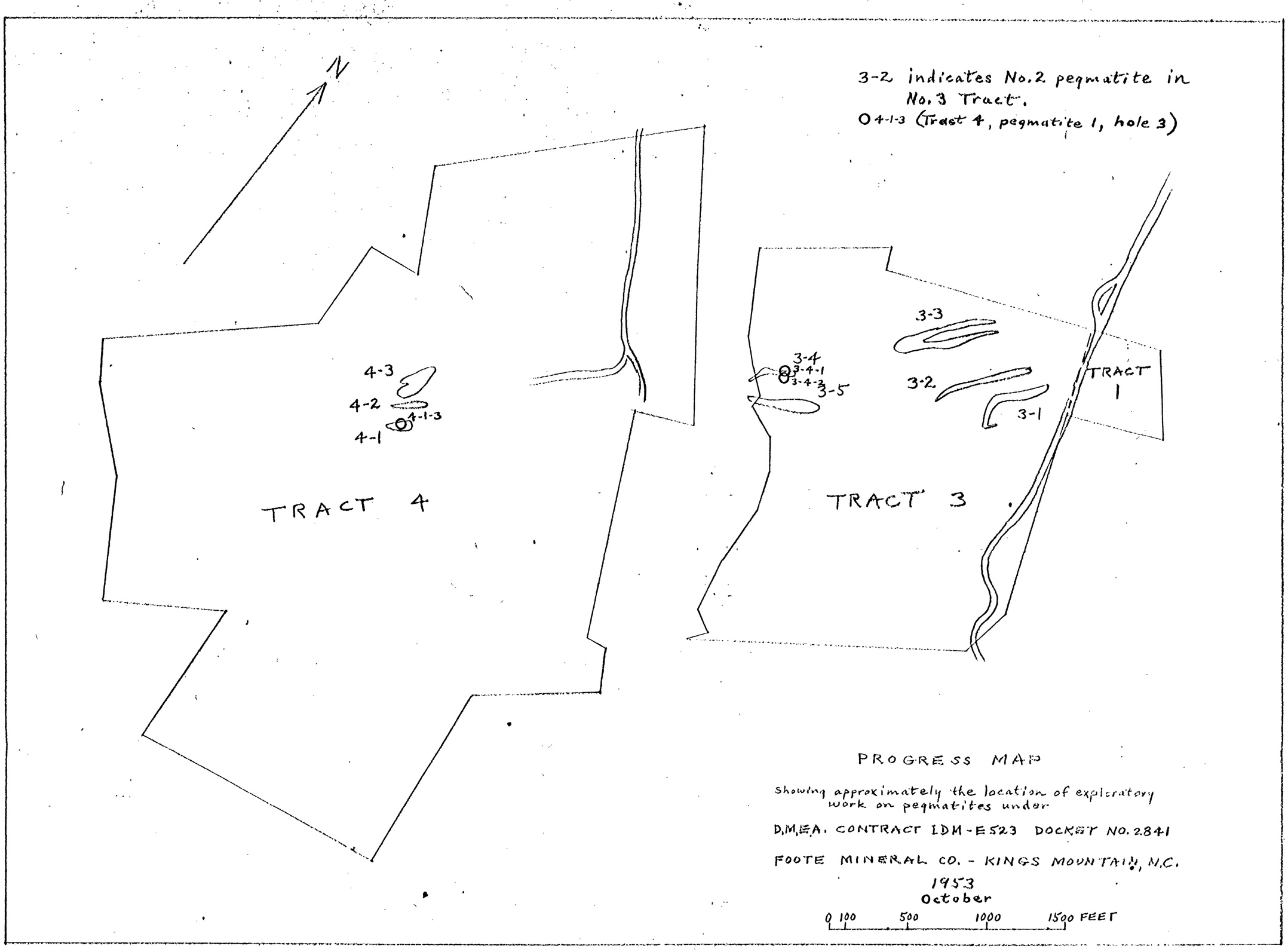
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841

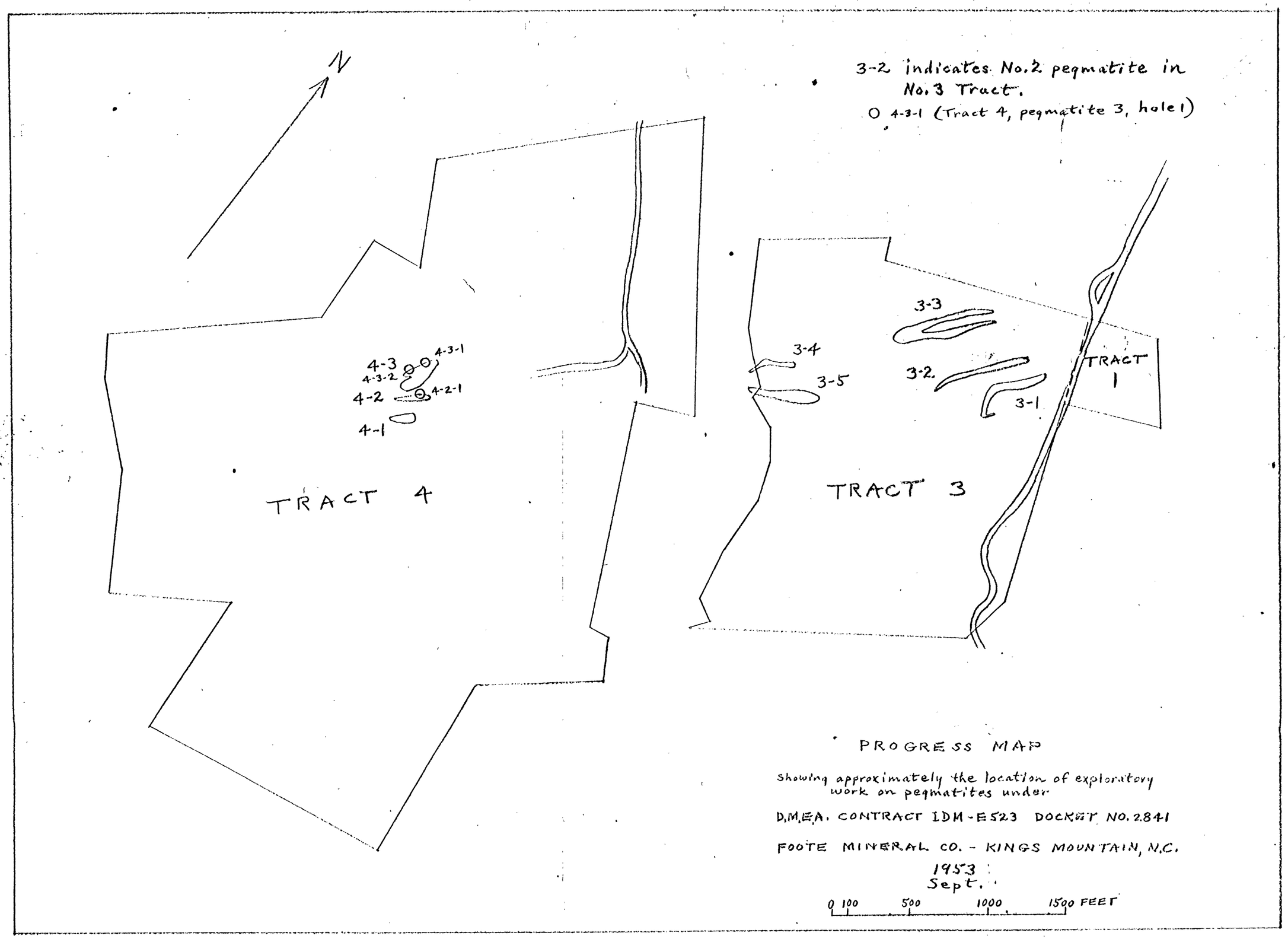
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.

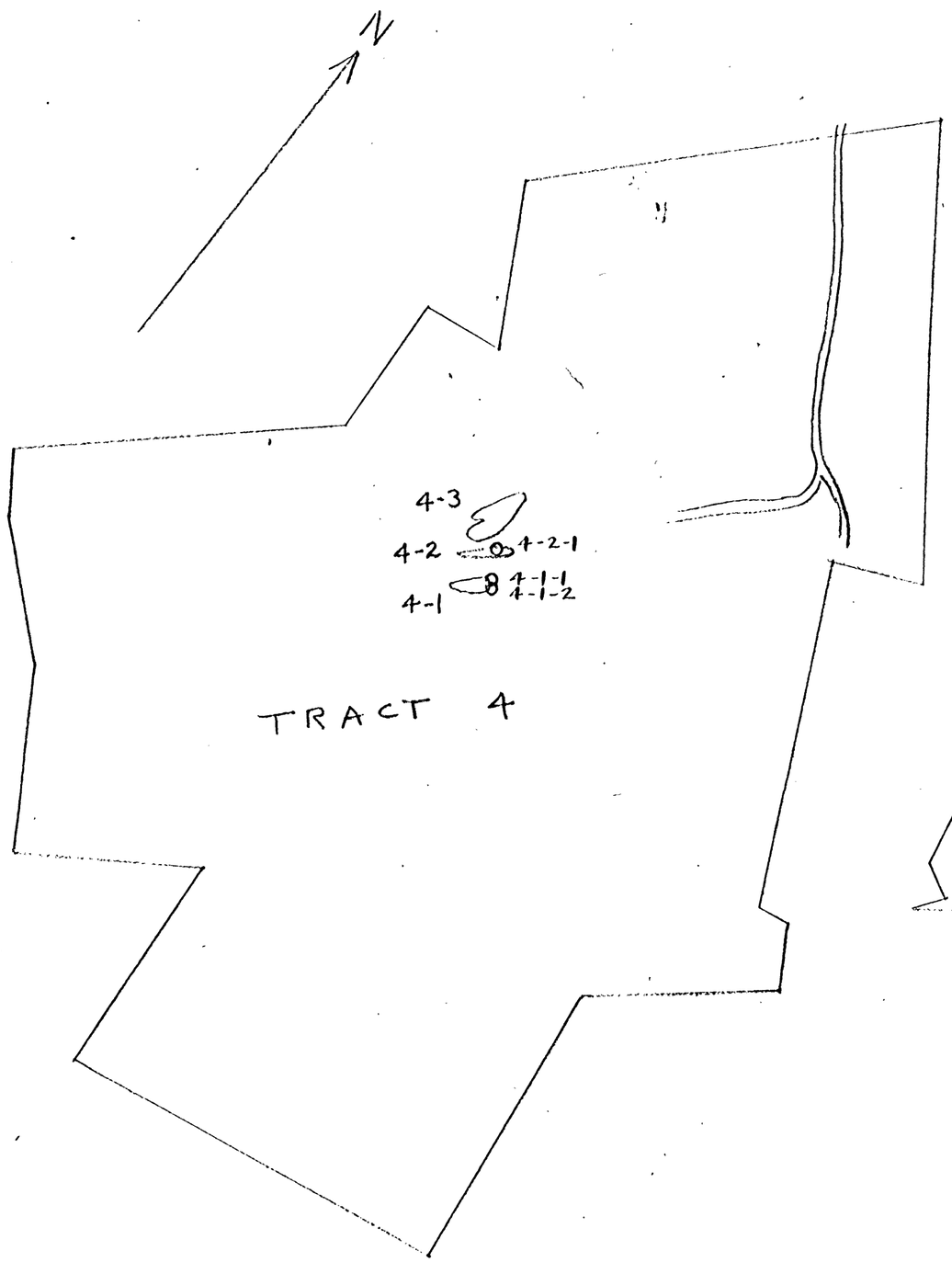
1953
December

0 100 500 1000 1500 FEET


N
3-2 indicates No. 2 pegmatite in No. 3 Tract.
O 3-5-1 (Tract 3, pegmatite 5, hole 1)
4-3
4-2
4-1
TRACT 4
3-3
3-4
O 3-4-2
O 3-5-1
3-5
3-2
3-1
TRACT 1
TRACT 3
PROGRESS MAP
showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1953
November
0 100 500 1000 1500 FEET

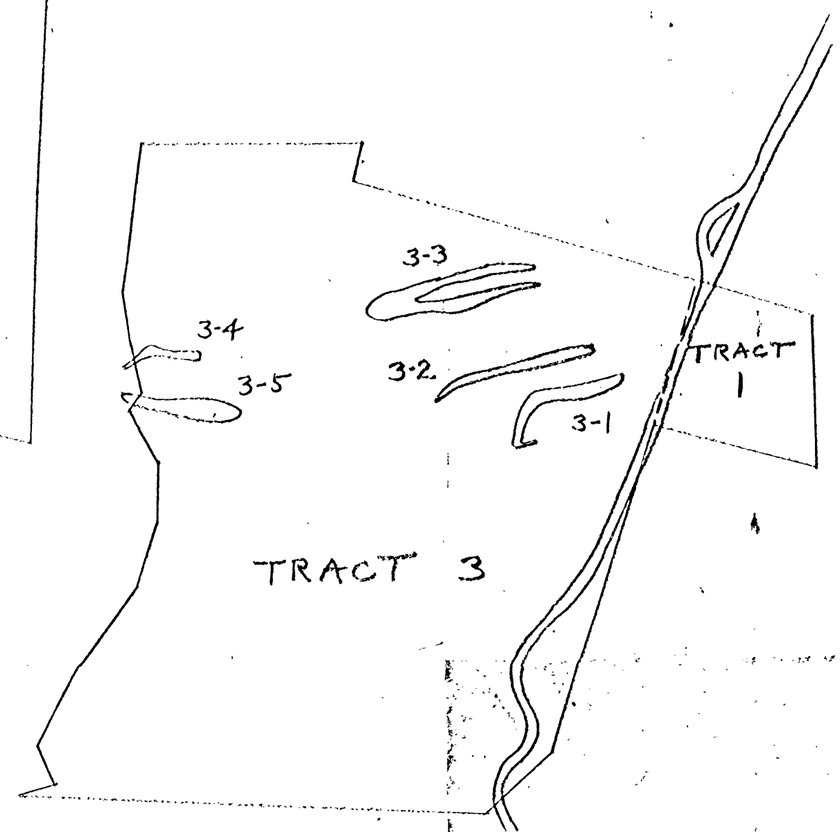

N
3-2 indicates No.2 pegmatite in No.3 Tract.
O 4-1-3 (Tract 4, pegmatite 1, hole 3)
4-3
4-2
4-1-3
4-1
TRACT 4
3-3
3-4
3-4-1
3-4-2
3-5
3-2
3-1
TRACT 1
TRACT 3
PROGRESS MAP
showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1953
October
0 100 500 1000 1500 FEET


3-2 indicates No. 2 pegmatite in No. 3 Tract.
O 4-3-1 (Tract 4, pegmatite 3, hole 1)
N
4-3
4-3-1
4-3-2
4-2
4-2-1
4-1
TRACT 4
3-3
3-4
3-5
3-2
3-1
TRACT 1
TRACT 3
PROGRESS MAP
Showing approximately the location of exploratory work on pegmatites under
D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841
FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.
1953
Sept.
0 100 500 1000 1500 FEET



3-2 indicates No. 2 pegmatite in No. 3 Tract.

04-1-1 (Tract 4, pegmatite 1, hole 1)



PROGRESS MAP

Showing approximately the location of exploratory work on pegmatites under

D.M.E.A. CONTRACT IDM-E523 DOCKET NO. 2841

FOOTE MINERAL CO. - KINGS MOUNTAIN, N.C.

1953
August

0 100 500 1000 1500 FEET