DMEA
RECEIVED APR 10 1958
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DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Reynolds Tungsten Corporation
822 First National Bank Building,
Denver 2, Colorado

pertaining to Exploration Project Contract No. Idm-E909, DMEA No. 3807, including Amendments Nos. 1 through 3, and Termination Agreement dated January 3, 1958, for the months of April, 1956 to October, 1957, inclusive, covering a project for the exploration of Tungsten on property known as the Dozer Mine located in Boulder County, Colorado.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of work performed by reference to Field Team reports and correspondence, and a determination of the reasonableness and propriety of the costs.

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

> All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed.

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

Total cost as billed by Contractor		$34,918.79
Exceptions:		
Prior to this review	$0.00	
Herewith	0.00	0.00
Total Accepted Cost		$34,918.79

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty-six thousand, one hundred eighty-nine and 09/100ths Dollars is valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Amount payable to Operator	$26,189.09
Amount reimbursed	25,689.11
Balance due Operator	$ 499.98

Donald T. Finch

April 7, 1958

Donald T. Finch, Auditor

APR 14 1958

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

Re: Idm-E909, DMA-38C7
Reynolds Tungsten Corp.

Dear Mr. Finch:

Your report of review covering the above-cited project is acceptable. You are authorized to make normal distribution.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

AMAlley/ama
April 14, 1958

Copy to: Docket
Admr. Reading File
Mr. Chambers

7

224 New Customhouse
Denver 2, Colorado
April 3, 1958

Memorandum

To: T. H. Breding, DMEA Auditor - w/enclosure

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

Subject: Docket No. DMEA 3807 (Tungsten), Contract No. Idm-2909, Reynolds Tungsten Corporation (Dozer mine), Boulder County, Colorado

The subject contract was terminated by an Agreement, dated January 3, 1958, which was made effective October 9, 1957. A copy of the TERMINATION AGREEMENT is enclosed for your records.

The Operator has rendered a final accounting and a Final Engineering and Geologic Report as required by the contract. Therefore, final payment to the Operator is in order, contingent on release to this office of a Certificate and Report of Audit, or Report of Review of reported project costs, whichever the case indicates.

Acceptable units of work or service completed on a Fixed Unit Cost basis consist of:

Crosscutting	879 feet
Core drilling	1,586 feet
Chemical analysis of samples	14.

The sum of $500.00 was withheld from reimbursement to the Operator in processing the final accounting report, which was for the month of October, 1957.

Original signed by
E. N. HARSHMAN

E. N. Harshman

JWT:prl

cc: Chem. Op. Comm. (2)
Harshman
Corres. file
Townsend
Chron.

224 New Customhouse
Denver 2, Colorado
April 17, 1958

Memorandum

To: T. A. Christensen

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

Subject: Docket No. DMEA 3307 (Tungsten) Contract Idm-8909,
Reynolds Tungsten Corporation, (Doser mine)
Boulder County, Colorado - FINAL PAYMENT

Reference is made to our memorandum of November 15, 1957, whereby we transmitted the final Form MF-104, Operator's Monthly Report and Voucher, for the month of October, 1957, and requested that you withhold an amount of $500.00 from reimbursement to the Operator, pending resolution of matters prerequisite to closing the account.

The Operator's final report has been received, therefore we recommend that final payment to the Operator be made on the following basis, which is in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, dated April 7, 1958.

Basis for Final Payment

Total accepted cost----------	$34,918.79
Government participation at 75 percent--	26,189.09
Total prior payments----------	25,689.11
Balance due the Operator----------$	499.98

Original signed by
E. N. HARSHMAN

E. N. Harshman

JDC:hmh

cc: Chma. Op. Comm. (2)
Harshman
DMEA/DFC
Townsend
Corres.file, Reg.III
MF-104 file, Reg.III
Chron

$499.98

DMEA 58-112 4/22/58

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV 25 1957 DMEA

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1957 Docket No. DMEA 9607 Contract No. Idr-S 909

Operator's Name Reynolds Tungsten Corporation Minerals Tungsten

Address 1033 First National Bank Building, Denver 2, Colorado

Contract Amount, $ 75,269.50 Government Participation: 75 % Amount, $ 56,467.13

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	1,418.24	7,368.20	8,786.44			
Bulldozing						
Crosscutting		26,062.35	26,062.35			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	20.00	50.00	70.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,438.24	33,480.55	34,918.79	1,438.24	33,480.55	34,918.79

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

Date 10-11-57 *Payee Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

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

(Instructions on reverse)

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

$ ~~1078.68~~ 578.68 RRC

Signature [signature]
(Authorized Certifying Officer)

Date 11-20-57 Vou. No. DMA-58-61

(See other side)

Note: Withheld 500.00

(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. E-909 in accordance with the terms of the contract, Nov. 13, 1957

Signature W. W. Winkel (~~$510.15~~) $1,078.68 Title Mining Engr. Date ~~Oct. 29, 1957~~

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hawkins Title Acting Executive Officer Date NOV 15 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV 25 1957 DMEA

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October, 1957 Docket No. DMEA 3807 Contract No. Idm-5909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1038 First National Bank Building, Denver, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting				26,062.35	879.0	29.65	880	29.65
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	1,418.24	255.0	8,786.44	1586.0	5.54	1600	5.54
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying		20.00	4	70.00	14	5.00	30	5.00
TOTAL DISTRIBUTED COSTS		1,438.24		34,918.79				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		1,438.24						
TOTAL COSTS				34,918.79				

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.

REMARKS: W. W. Winkel

Date October 11, 1957 Operator Reynolds Tungsten Corporation

Per G. C. Rillard Title Vice President

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

Dma #61

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III
224 Low Custom House, Denver 2, Colorado
Administrative Audit Difference Statement

FINAL DISTRIBUTION
MADE NOV 21 1957

Reynolds Tungsten Corporation
622 First National Bank Building
Denver 2, Colorado

Date: November 20, 1957
Payee's
Reference: October 1957

Gentlemen:

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

Amount Claimed $ 1,430.24

Difference $

Amount Approved $ 1,430.24

The reason for the difference was due to:

Withhold: $500.00 pending possible performance of additional work under the Contract.

OFFICIAL FILE COPY
DMEA
RECEIVED NOV 25 1957

DATE	INITIALS	CODE
11/25	C	220
"	Com	100
		800

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

Very sincerely yours,

N. E. Stokes
Audit Section

Randal R. Cooper
Fiscal Officer, Region III

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

224 New Customhouse
Denver 2, Colorado

November 15, 1957

Memorandum

To: T. A. Christensen

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

Subject: Docket DMEA-3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Dozer mine) Boulder County, Colorado. Operator's Monthly Progress Report for the month of October, 1957

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

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A, therefore documentation of the costs is not required. We recommend that payment be made to the Operator for 75 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report, except for the following deduction.

Withhold an amount of $500.00 from reimbursement from the Operator pending possible performance of additional work under the contract. If additional work is not approved by the Government and performed by the Operator, continue to withhold the amount of $500.00 pending resolution of all matters prerequisite to closing the account.

REMARKS:

Date of Report ----------October 11, 1957
Date Received in Field Office ----------October 17, 1957
Date Received in Region Office--------- November 14, 1957

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures
JDC:jy
cc: Chm. Op. Comm. (2)
DMEA,DFC
MF-104 file, Reg. III
Harshman) w/copy of Engr's. report
Townsend)
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
NOV 14 1957
REGION III
DENVER, COLORADO

REGION III

Memorandum

Building 20
Denver Federal Center
Denver 2, Colorado
November 14, 1957

To: Acting Executive Officer, DMEA Field Team, Region III

From: W. W. Winkel

Subject: Docket DMEA-3807 (Tungsten), Contract Idm-B909, Reynolds Tungsten Corporation (Boxer mine), Boulder County, Colorado---Progress report for October 1957.

The core resulting from drilling under Stage II, amendment No. 3, during October, was checked on October 28, 1957 at the subject property. Core recovery on completed drill hole No. 4 was estimated to be 92.5 percent on the 200 feet of hole drilled. Core recovery on drill hole No. 3, bottomed at 186 feet, was 90.5 percent.

Core drilling under Stage II, amendment No. 3 was started on September, 23, 1957, and completed on October 8, 1957. The reported drilling conforms with the provisions of the contract.

It is recommended that the amount of $500.00 be withheld by the Government on the October 1957 claim for drilling pending a final decision on the operator's request for drifting under Stage II, amendment No. 3.

Payment of $1,078.68 or 75 percent of the amount claimed, $1,438.24, is recommended by the inspecting engineer.

W. W. Winkel
W. W. Winkel
Mining Engineer

WWW:as
cc: 6
Idm-B909
Chron

REYNOLDS TUNGSTEN CORPORATION
1038 First National Bank Building
Denver 2, Colorado

October 11, 1957

Mr. E. N. Harshman, Acting Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
301 Post Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. 18m-E 997

Dear Sir:

RIGHT MINE

Report for October, 1957

Stage II was continued with Diamond Drill Hole No. 4 completed to 200 feet. No. 3 was begun and bottomed at 186 feet.

A map showing the locations of Holes No. 3 and 4, together with their respective logs, are enclosed.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

G. G. Ridland

G. G. Ridland

GGR:jd

Encl.

cc: Mr. D. J. Leakhurst, President
Reynolds Tungsten Corporation
New York, New York

ESTABLISHED 1878

GAYLE F. FARNHAM

Certificate of Assay

THE HENRY E. WOOD ASSAYING COMPANY

TELEPHONE KEYSTONE 4-4816

DENVER 4, COLORADO

733 W. COLFAX AVE.

Oct. 8, 1957

We hereby certify that the samples assayed for Reynolds Tungsten gave the following results per ton of 2000 lbs.

MARKED	GOLD OZS.	SILVER OZS.	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	INSOL. PER CENT	SULPHUR PER CENT	PER CENT	VALUE
									Tungsten WO_3	
#1									None	
#2									None	
#3									None	
#4									None	

Note: Preliminary information obtained from Oper. indicated that assays were performed at company mill. Assay certificates received 11-18-57 Also this is not the case.

ADMINISTRATIVE OFFICE REGION IN NOV 18 1957 BUREAU OF MINES DENVER, COLORADO

RECEIVED NOV 25 1957 O.M.E.A.

Gold at $_____ per ounce

Silver at _____ per ounce

Lead at _____ per lb.

Copper at _____ per lb.

Zinc at _____ per lb.

Charges

$

The Henry E. Wood Assaying Co.

By [signature]

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

Budget Bureau No. 42-R1036.5

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

Month of September, 1957 Docket No. DMEA 3307 Contract No. Idm-E 907
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1038 First National Bank Building, Denver 2, Colorado
Contract Amount, $75,289.50 Government Participation: 75 % Amount, $56,467.13

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	720.20	6,648.00	7,368.20			
Bulldozing						
Crosscutting		26,062.35	26,062.35			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		50.00	50.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	720.20	32,760.35	33,480.55	720.20	32,760.35	33,480.55

I certify that the above bill is correct and just and that payment therefor has not been received.
Date October 11, 1957 Payee Reynolds Tungsten Corporation
Per [signature] Title Vice President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing for 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: $ ~~540.14~~ 1040.15 RRC

Signature [signature]
(Authorized Certifying Officer)

Date 11/20/57 Vou. No. DMA-18-61

(See other side)

Note: Reinstate 500.00

(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. E-909 in accordance with the terms of the contract.

Signature W. W. Winbel ($540.15) Title Mining Engr. Date Oct. 29, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Acting Executive Officer Date NOV 15 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September, 1957 Docket No. DMEA 3007 Contract No. Idr-E 902
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1038 First National Bank Building, Denver, Colorado

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				26,062.35	879.0	29.65	880	29.65
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	720.20	130.0	7,368.20	1330.0	5.54	1600	5.54
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying				50.00	10	5.00	30	5.00
TOTAL DISTRIBUTED COSTS		720.20		33,480.55				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		720.20		33,480.55				

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.

REMARKS: W. W. Winkel

Date October 11, 1957 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

Dma #61

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III
624 New Custom House, Denver 2, Colorado
Administrative Audit Difference Statement

FINAL DISTRIBUTION
MADE NOV 21 1957

Reynolds Tungsten Corporation
622 First National Bank Building,
Denver 2, Colorado

Date: November 20, 1957
Payee's
Reference: September 1957

Gentlemen:

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

Amount Claimed	$	720.20
Difference	$	
Amount Approved	$	720.20

The reason for the difference was due to:

Delinquent (500.00 which was withheld from the April 1957 Voucher.

Office Copy
DUE
RECEIVED
DATE
11-25 Com 220
100
800

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

Very sincerely yours,

N. E. Stokes
Audit Section

Randal H. Cooper
Fiscal Officer, Region III

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

224 New Customhouse
Denver 2, Colorado

November 15, 1957

Memorandum

To: T. A. Christensen

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

Subject: Docket DMEA-3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Dozer mine) Boulder County, Colorado. Operator's Monthly Progress Report for the month of September, 1957

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

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. All of the work was performed at "Fixed Unit Costs" under the short form contract on Form MF-200A, therefore documentation of the costs is not required. We recommend that payment be made to the Operator for 75 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report. In addition, the following reinstatement is to be made.

Reinstate the amount of $500.00 which was withheld from the April, 1957 voucher pending performance of additional work. Project work has been resumed.

An appropriate amount will be withheld from the October, 1957 voucher pending additional work or closing the account.

REMARKS:

Date of Report ---------- October 11, 1957
Date Received in Field Office ---------- October 17, 1957
Date Received in Region Office ---------- October 30, 1957

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures
JDC:jy
cc: Chm. Op. Comm. (2)
DMEA,DFC
MF-104 file, Reg. III
Harshman } w/copy of Engr's. Report
Townsend }
Chron.

DMEA
NT OF THE INTERIOR
OCT 30 1957
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
October 30, 1957

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: W. W. Winkel

Subject: Docket DMEA 3807 (Tungsten) Contract Idm-5909, Reynolds Tungsten Corporation (Doser mine) Boulder County, Colorado -- Progress report for September 1957

The core, resulting from drilling under Stage II, amendment No. 3 during September 1957, was checked at the subject property on October 28, 1957. Core recovery on the 130 feet of reported drilling is estimated to be about 91 percent.

Core drilling, under Stage II, amendment No. 3, was started on September 23, 1957 in No. 4 drill hole, which was drilled to a depth of 130 feet by the end of the reporting period. The reported drilling conforms with the provisions of the contract.

The operator has submitted a brief narrative report, forms MF-104 and 104A, lithologic log, and plan map showing location and direction of drill hole No. 4; other documentation to support this claim is not required by the contract.

It is recommended that the amount of $500.00 withheld on the April 1957 claim, and on the completion of Stage I work, be retained by the Government pending evaluation of the drilling scheduled under Stage II. This amount should also be withheld pending approval or disapproval of the Stage II drifting. Recommendations regarding the drifting under Stage II is to be covered by a joint memorandum report scheduled to be prepared in the near future.

Payment of $540.15 or 75 percent of the amount claimed $720.20 is recommended by the inspecting engineer.

W. W. Winkel
W. W. Winkel
Mining Engineer

WWW/mw cc: 6 Idm-5909 chron

REYNOLDS TUNGSTEN CORPORATION
1038 First National Bank Building
Denver 2, Colorado

October 11, 1957

DMEA
DEPARTMENT OF THE INTERIOR
OCT 15 1957
REGION III
DENVER, COLORADO

Mr. E. N. Harshman, Acting Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3007 (Tungsten)
Contract No. 16-2 902

Dear Sir:

DEER MINE

Report for September, 1957

Stage II was begun on September 23rd with D.H.H. No. 4, as per Amendment No. 3, and 130.0 feet completed by the end of the month.

A map showing the location of the above hole is enclosed.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

G. C. Ridland

GCR:jd

Enc.

cc: Mr. D. J. Lockhart, President
Reynolds Tungsten Corporation
New York, New York

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

Budget Bureau No. 42-R1036.5

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

Month of April, 1957 Docket No. DMEA 3307 Contract No. Idz-3 90
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,239.50 Government Participation: 75 % Amount, $ 56,467.13

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	3,811.52	2,836.48	6,648.00			
Bulldozing						
Crosscutting		26,062.35	26,062.35			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	45.00	5.00	50.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,856.52	28,903.83	32,760.35	3,856.52	28,903.83	32,760.35

RECEIVED MAY 17 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 1, 1957 *Payee Reynolds Tungsten Corporation
Per G. C. Ridlon Title Vice President

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$2392.39
Signature (Authorized Certifying Officer)
Date 5/13/57 Voucher DMA 57-125
(See other side)

Note: Withhold 500.00

(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. E-909 in accordance with the terms of the contract.

Signature W. J. Tesch Jr. 2,892.39 Title Mining Engr. Date May 8, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hershman Title acting Executive Officer Date MAY 9 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1957 Docket No. DMEA 3[illegible]07 Contract No. 1[illegible]-S 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Bldg., Denver, Colorado

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				25,062.35	679.0	29.65	800	29.65
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	3,611.52	6[illegible].0	6,6[illegible].00	1200.0	5.5[illegible]	1200	5.5[illegible]
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	1	45.00	9	50.00	10	5.00	10	5.00
TOTAL DISTRIBUTED COSTS		3,656.52		32,760.35				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,656.52		32,760.35				

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.

REMARKS:

Date May 2, 1957 Operator Reynolds Tungsten Corporation

Per G. C. Rilland Title Vice President

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

(Instructions on reverse)

(For Government use only) W. J. Teschfl.

RECEIVED MAY 17 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

FINAL DISTRIBUTION
MADE MAY 14 1957

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

Administrative Audit Difference Statement

Reynolds Tungsten Corporation
622 First National Bank Building
Denver 2, Colorado

Date: May 13, 1957
Payee's
Reference April 1957

Gentlemen:

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

Amount Claimed $ 3,856.52

Difference $

Amount Approved $ 3,856.52

The reason for the difference was due to:

Withhold: $500.00 pending possible resumption of work under Stage II, of the Contract.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 17 1957

DATE	INITIALS	CODE
5/17	C	220
	Com	100
		800

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

ORIGINAL FILE COPY
DMEA
RECEIVED MAY 1957
DATE | INITIALS | CO.

224 New Customhouse
Denver 2, Colorado

May 9, 1957

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket 3807, (Tungsten) Contract Idm-3909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado - Operator's Monthly Progress Report, for the month of April, 1957

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

We consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report, except for the following deduction:

Withhold an amount of $500.00 from reimbursement to the Operator pending possible resumption of work under Stage II of the contract. If Stage II work is not approved by the Government and performed by the Operator, continue to hold the amount of $500.00 pending resolution of matters which are prerequisite to closing the account.

Remarks

Date of Report----------May 1, 1957
Date Received in Field Office----------May 3, 1957
Date Received in Region Office----------May 8, 1957

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures
JDG:hh
cc: Chem. Op. Comm. (2)
Kunselman
Harshman } w/copy of Engr's
Townsend } report
MF-104 file, Reg. III
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 17 1957

DATE	INITIALS	CODE

DMEA
DEPARTMENT OF THE INTERIOR
MAY 8 - 1957
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
May 8, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: ~~Albert S. Kennedy~~
Mining Engineer

From: W. J. Teach, Jr.

Subject: DMEA 3307 (Tungsten) Contract Idm-5909, Reynolds Tungsten Corp. (Prospect Tunnel) Boulder County, Colorado — Progress Report for April 1957

The Prospect Tunnel was visited on May 6, 1957 by W. J. Teach, Jr., Bureau of Mines. Stage I of the contract has been completed with a total of 879 feet of crosscutting and 1200 feet of diamond core drilling. During April, a total of 688 feet of AX-size core drilling was completed and 16 chemical assays were made; the cost of 9 of these assays is claimed under the terms of the contract. Diamond core drill hole P-7 was drilled in a S. 36° 51' E. direction from the 512 foot length claimed for March to the allowed 600 feet in April, a distance of 88 feet. Core drill hole P-8 was drilled 600 feet N. 30° 44' W.

Both core drill holes penetrated granite, gneissic granite, and some pegmatite. Core P-8 contained some sulphide mineralization at various distances up to 245 feet, and considerable silicification and iron staining throughout its length. No significant tungsten mineralization was disclosed in either of the two core drill holes.

Stage I of the contract included a total of 879 feet of crosscutting at $29.65 a foot, 1,200 feet of AX-size core drilling at $5.54 a foot, and 10 chemical assays at $5.00 each. The project work conformed with the terms of the contract, at a total cost of $32,760.35. Government participation at 75 percent would be $24,570.28.

The narrative reports, maps, and diamond drill hole logs filed by the operator are considered adequate and it is recommended that April costs as claimed by the operator be allowed as follows:

688 feet of AX-size core drilling at $5.54/ft.	$3,811.52
9 chemical assays at $5.00 each	45.00
Total	$3,856.52
Government participation at 75 percent would be	2,892.39

The operator has requested that Stage II of his program be amended to permit drilling 3 additional holes. The cost of crosscutting 69 feet at $29.65 a foot, totaling $2,045.85 has been used from the costs allowed under Stage II.

W. J. Teach Jr.
W. J. Teach, Jr.
Mining Engineer

WJT/ms cc: 6 Idm-5909 Chron

REYNOLDS TOBACCO CORPORATION
1000 First National Bank Building
Denver 2, Colorado

April 30, 1957

Mr. E. W. Nordman, Acting Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
Rm. Bar Construction
Denver 2, Colorado

Re: Contract No. DMEA 1007 (Bangston)
Contract No. DMEA [illegible]

Dear Sir:

DRILLING

Report for April, 1957

In April, Diamond Drill Hole No. P-7 was completed to 600 feet and P-8 was begun and completed to 600 feet.

The location and description of Diamond Drill Hole P-8, together with a map showing its location, is attached.

Yours very truly,

REYNOLDS TOBACCO CORPORATION

G. C. Kielland

G. C. Kielland

GCK:jd

Enc.

cc: Mr. E. J. Lushbough, President
Reynolds Tobacco Corporation
New York, New York

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 17 1957
DATE | INITIALS | CODE

REYNOLDS TUNGSTEN CORPORATION
1038 First National Bank Building
Denver 2, Colorado
April 26, 1957

Hole No. P-8

[illegible] MINE

Drill Log

Location:		Collar:	
Latitude	4,614.9	Elevation	8,234.42
Departure	2,763.2	Dip	0°00'
		Bearing	N38 44W

0 - 417.0 Light-colored, medium (a little course and some fine)-grained, foliated, altered, silicified, fractured granitic rock. Some fractures are mineralized with yellow and gray sulphides, mainly galena, some hematite.

Between 20 and 30 feet, sulphides heavier.

Sample No. 65, Sludge from 20' to 30', 10', Au 0.02, Ag 0.45, Pb 1.08%, Zn 0.07%

Sample No. 66, Sludge from 70' to 80', 10', Pb 0.75%

Sample No. 67 was taken where the mineralization is greater than average; No. 68, where mineralization is sparse.

Sample No. 69, Sludge from 160 to 170, Au Trace, Ag 0.10

Between 160 and 180, very little sulphide mineralization, but vuggy quartz veins are numerous. 2.5' lost.

Between 191 and 222, the rock is still light-colored and altered, but green veinlets appear in core in numbers for the first time. No sulfide mineralization.

Between 225 and 230, silicification and alteration fades. Rock is almost a good, gray granite.

Between 230 and 234, silicification is heavier than ever. In fact, this section might be a vein without mineralization.

At 245, a number of globs of galena.

From 180, very little galena.

Between 250 and 259, no mineralization, and alteration not so intense. Light brown (rusty) limonite (iron oxide) appears in fractures for the first time.

Sample No. 70, Core from 260 - 267, 7', for Ag. 0.12, Au 0.01. Vuggy quartz and altered granite. Very little sulphide mineralization, but quartz stringers are coated with yellow and brown, earthy goesan.

Between 271 and 281, 3½', lost.

More vuggy quartz stringers and rusty mineralization.

Sample No. 71, sludge, 270 - 291, 21', for Au, Trace; and Ag 0.14. Some altered silica rock, but at 291, it becomes goesanad and the goesan is disseminated throughout the rock.

OFFICIAL FILE COPY

KEWANEE TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

Hole No. P-8

ROLLER MINE

Drill Log

Location:		Collar:	
Latitude	4,614.9	Elevation	8,234.42
Departure	2,763.2	Dip	0°00'
		Bearing	N30 44W

0-417.0 Sample No. 73, core 291-298, 7.0', Au 0.12, Ag 0.34, WO3 [illegible].

Rusty weathered, vuggy, quartz stringers and altered granite with disseminated rusty alteration.

Sample No. 74, Sludge, 300-320, 20', Au, Trace, Ag 0.20, WO3 [illegible].

Between 303 and 311, 5' lost
Between 311 and 321, 3' lost

At 324, rusty material again at 324 and continues to 328, but rock formation remains the same, light-colored, silicified granite.

Between 328 and 331, 1' lost
Between 332 and 334, 1' lost

Sample No. 75, Core, 321-341, 20', Au 0.04, Ag 0.48, WO3 [illegible].

Between 341 and 351, 6' lost

Rusty fractures and quartz disappears at 351 feet but blebs of it appear at 354, 361, 363 and 365.

Between 365 and 372, the rock is fairly unaltered.
Between 372 and 373.5, more rusty, vuggy quartz and limonite-coated fractures.
Between 383 and 386, more rusty quartz in fractures.

At 397, 1 foot of heavy limonite in fractures cutting at 45° to core. Some more rusty fractures at 403, 405, and 407.

417.0-488.0 Normal, slightly gneissic to almost schistose, light-gray granite. Medium to coarse grained biotite granite; some places would be called a mica schist.

At 447, a little rusty and fractured.

Between 447 and 466, 2' lost.
Between 466 and 474, 3' lost
Between 477 and 488, 1' lost. A little pegmatite in places.

488.0-585.5 Altered, silicified, fractured quartz rock, same as 0-417.0, above. The quartz stringers are numerous, vuggy and rusty.

REYNOLDS TUNGSTEN CORPORATION
1038 First National Bank Building
Denver 2, Colorado

Hole No. P-8

BOXER MINE

Drill Log

Location:		Collar:	
Latitude	4,614.9	Elevation	8,234.42
Departure	2,763.2	Dip	0°06'
		Bearing	N30 44W

Between 488 and 500, 2' lost
Between 500 and 506, 2' lost
Between 506 and 513, rusty gossan almost disappears.
Sample No. 75, sludge, 490-506, 16', Au 0.81, Ag 0.16.
Between 513 and 522, heavy, rusty gossan.
Between 522 and 537, more gossan and strongly foliated (almost schist) altered granite. This granite grayish colored - not as silicified.
Between 537 and 544, altered and silicified, light-colored, foliated, medium-grained granitic rock.
Between 544 and 548, heavy rusty gossan in fractures.
Between 548 and 558, light-colored silicified, no gossan, country rock.
Between 558 and 564, same as 544-548.
Between 564 and 574, medium to fine-grained, gneissic, gray granite, some biotite.
Between 574 and 578.5, gossanned fractured, gray colored, biotite granite.
Between 578.5 and 585.5, medium-grained, slightly silicified, slightly gneissic, gray-colored biotite granite.

585.5-600.0 Coarse-grained, gray, slightly, gneissic, highly fractured (rusty-coated) biotite granite; to 595; remainder is the same, but only slightly fractured (typical Cold Spring country rock).

600.0 Bottom of hole.

CERTIFICATE OF ASSAY

HILL & JUDE

. . . . . Assayers and Engineers

800 Pearl Street | HIllcrest 2-1629 | Boulder, Colorado

April 24, 1957

DETERMINATIONS MADE FOR: Reynolds Tungsten Corp.

DESCRIPTION	OUNCES PER TON GOLD	OUNCES PER TON SILVER	VALUE PER TON GOLD @	VALUE PER TON SILVER @	LEAD PER CENT	ZINC PER CENT	WO_3 PER CENT
No. 67	0.02	0.46			1.08%	0.07%	
No. 68					0.75%		
No. 69	Trace	0.10					
No. 70	0.03	0.12					
No. 71	Trace	0.14					
No. 72	0.12	0.84					Nil
No. 73	Trace	0.20					Nil
No. 74	0.02	0.48					Nil
No. 75	0.01	0.16					

CHARGES:

HILL & JUDE

CERTIFICATE OF ASSAY

HILL & JUDE

. . . . . Assayers and Engineers

800 Pearl Street HIllcrest 2-1629 Boulder, Colorado

April 15, 1957

DETERMINATIONS MADE FOR: Reynolds Tungsten Corporation

DESCRIPTION	OUNCES PER TON		VALUE PER TON		WO3	WO3	
	GOLD	SILVER	GOLD @	SILVER @	PER CENT	PER CENT	PER CENT
Sample No. 60	0.53	0.72			Nil		
Sample No. 61						Nil	
Sample No. 62						Nil	
Sample No. 63	0.34	0.90			Nil		
Sample No. 64						Nil	
Sample No. 65						Nil	
Sample No. 66						Nil	

CHARGES:

HILL & JUDE

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

Budget Bureau No. 42-R1036.5

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

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Corporation Minerals [illegible]
Address [illegible] First National Bank Building, Denver, Colorado
Contract Amount, $[illegible] Government Participation: [illegible] % Amount, $[illegible]

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	[illegible]		[illegible]			
Bulldozing						
Crosscutting		[illegible]	[illegible]			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	[illegible]		[illegible]			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]	2,841.48	26,062.35	28,903.83

RECEIVED APR 29 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date [illegible] *Payee [illegible] Corporation
Per [illegible] Title Vice President

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 2131.11
Signature [illegible] (Authorized Certifying Officer)
Date 4/23/57 Vou. No. DMA 57-115
(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. E 909 in accordance with the terms of the contract.

Signature D. E. Anderson 2131.11 Title Min. Engr. Date Apr. 16, '57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hawkins Title acting Executive Officer Date APR 19 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of [illegible] 1957 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1031 First National Bank Building, Denver, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting				2,082.35	79.0	29.65	300	29.65
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	2,[illegible]	512.0	2,[illegible]	512.0	5.[illegible]	1200	5.[illegible]
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	1	5.00	1	5.00	1	5.00	10	5.00
TOTAL DISTRIBUTED COSTS		2,[illegible]		2,[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,[illegible]		2,[illegible]				

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 1, 1957 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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)

RECEIVED APR 29 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

FINAL DISTRIBUTION
MADE APR 24 1957

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DMEA
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DATE	INITIAL	CODE
4/29	C	220
5/1	com	100
		800

221 New Customhouse
Denver 2, Colorado

April 19, 1957

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket-3807, (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado - Operator's Monthly Progress Report, for the month of March, 1957

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

We consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Hole No. P-7 was started during March, 1957, and a total of 512 feet of drilling was performed during the month. The hole has now been completed at a total length of 600.7 feet. The bearing of the hole differs by approximately 3° from the bearing of S 40° E stipulated in Amendment No. 2, to the contract. The variation is slight, therefore the drilling is acceptable to the Government.

Remarks

Date of Report——————————April 1, 1957
Date Received in Field Office——————April 2, 1957
Date Received in Region Office——————April 18, 1957
Reason for delay: Held at Denver Experiment Station pending receipt of lithologic logs from Operator.

Enclosures
JDC:hh
cc: Chmn. Op. Comm. (2)
Shaw (2)
Harshman W/copy of Engr's report
MF-104 File E909, Reg. III
Chron.

Original signed by
E. N. HARSHMAN
E. N. Harshman

DMEA
DEPARTMENT OF THE INTERIOR
APR 18 1957
REGION III
DENVER, COLORADO

REGION III

DMEA
RECEIVED APR
DATE

Building 20
Denver Federal Center
Denver 2, Colorado
April 18, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea
Supervising Mining Engineer

From: D. E. Redman
W. J. Tooch, Jr.

Subject: DMEA 3807 (Tungsten) Idm-8909
Reynolds Tungsten Corporation (Prospect Tunnel)
Boulder County, Colorado -- Progress report for March 1957

The Prospect Tunnel was examined on April 15, 1957, by R. U. King, U. S. Geological Survey, D. E. Redman and W. J. Tooch, Jr., Bureau of Mines. The crosscutting phase of Stage I was completed in February 1957. During March, a total of 512 feet of AX size core drilling was completed in a S. 36° 51.' E. direction from the end of the Stage I crosscut, and one chemical assay was made for tungsten.

The core drill hole penetrated gneissic granite, granite, and some pegmatite. No significant tungsten mineralization was disclosed in the core. Lead stringers were encountered at various distances up to 13½ feet, and again at 246 feet. Gold and silver mineralization was encountered from 105 to 108 feet, and from 469.4 to 473 feet. Iron staining was present at various distances to the end of the drill hole.

The allowable costs for March as claimed by the operator are as follows:

Core drilling	Footage	Unit Cost	Total
	512	$5.54	$2,835.48
Chemical assays	Number	Unit Cost	Total
	1	$5.00	$5.00
			$2,841.48

The narrative reports, maps, and diamond drill hole logs filed by the operator are considered adequate and it is recommended that March costs amounting to $2,841.48 be allowed. Government participation at 75 percent would be $2,131.11.

Assay results have been received for the samples taken by the examiners during the February examination. The locations from which the samples were taken are indicated on a map submitted with the February examination report. Following are the assay results:

Sample No.	WO_3 (Percent)	Pb (Percent)	Au (Oz./Ton)	Ag (Oz./Ton)
DER #12	< 0.01	0.04	Tr.	1.1
DER #13	< 0.01	0.02	Tr.	0.3
DER #14	< 0.01	1.45	Tr.	0.3
DER #15	< 0.01	1.10	Tr.	2.3

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

W. J. Teach Jr.
W. J. Teach, Jr.
Mining Engineer

WJT/mr
est 6
Ida-590?
Chevron

REPUBLIC TITANIUM CORPORATION
1626 First National Bank Building
Denver 2, Colorado

April 16, 1957

Mr. R. E. Barnhart, Acting Executive Officer
Atomic Energy Commission
Field Test, Region III
[illegible] New Construction
Denver 2, Colorado

Re: Permit No. [illegible] 1957 (Original)
[illegible]

Dear Sir:

[illegible]

Enclosed please find five copies of the complete log of Diamond Drill Hole D-7 to complete our [illegible], report for March.

Please note that some of this hole was drilled and samples taken in April. Expense reporting on these items will be reported at the end of April.

Yours very truly,

REPUBLIC TITANIUM CORPORATION

G. C. Rickard

GCR:jd

Enc.

cc: Mr. D. J. Lothstrom, President
Republic Titanium Corporation
New York, New York

REPUBLIC TUNGSTEN CORPORATION
[illegible] First [illegible] Building
Denver [illegible], Colorado

-AM6-0321

April [illegible], 1957

Mr. [illegible], Acting [illegible]
Defense Minerals Exploration Administration
Field Team, Region [illegible]
[illegible]
Denver [illegible], Colorado

Re: Docket No. [illegible] (Tungsten)
Contract No. [illegible]

Dear Sir:

[illegible]

Report for March, 1957

The first hole, designated [illegible], was collared and drilled to a depth of [illegible] feet during the month of March.

A detailed log will be submitted when the hole is completed. [illegible]

Very respectfully,

REPUBLIC TUNGSTEN CORPORATION

G. G. [illegible]

[illegible]

cc: Mr. [illegible], President
Republic Tungsten Corporation
New York, New York

[illegible] PORCUPINE CORPORATION
1036 First National Bank Building
Denver 2, Colorado

Hole No. P-7

[illegible]

Drill Log

Hole No. P-7
Location:
Latitude 4,661.6
Departure 2,771.6

Collar:
Elevation [illegible]
Dip [illegible]
Bearing [illegible] SLE

0 - 164.0 Silicified and brecciated, medium-grained, light-gray granite with minor stringers of gray metallic minerals.
Between [illegible] and [illegible] no mineralization
Between [illegible] and [illegible], [illegible] and [illegible], [illegible] and [illegible] considerable pyrite.
Between [illegible] and [illegible], 1.5' lost
Between [illegible] and [illegible], some alteration
Between [illegible] and [illegible], 1.5' lost
Between 104 and 114, 5.0' lost
Sample No. [illegible], sludge from 100 to 110; 10'; Wt. [illegible]; Fe 1.44%
Sample No. [illegible], core from 104 to 106; 3'; Au 0.53; Ag 0.73; Fe [illegible]
Between 110 and 116, no visible mineralization
At 114, a heavy vuggy stringer of pyrite
Between 114 and 115, considerable hematite stringers
Between 115 and 116, no visible pyrite
Between 114 and 116, 1.5' lost

164.0 - 172.0 Altered, coarse-grained gray biotite granite
Between 164 and 168.5, 2.5' lost

172.0 - 211.0 Oxidized, gray, coarse-grained biotite granite with some chlorite mixed with hematite and pyrrhotite at 175.

211.0 - 235.5 Coarse-grained biotite granite mixed with pegmatite.

235.5 - 261.0 Coarse-grained quartzite biotite granite, chloritic between 235 and 235.5 and between [illegible] and [illegible].
Between [illegible] and [illegible], some alteration
Between 251.6 and [illegible], 2.5' lost
Between 245.5 and 247.5, pyrite stringer 1/2 inch wide
Between [illegible] and 261, some alteration
Between 253 and 261, 5' lost

261.0 - 295.0 Medium to fine-grained granite
Part stained between 279 and 287.5, [illegible] and [illegible], 287.7 and 291.2, and 293 and 295.5.
Sample No. [illegible], sludge from 280 to 290; 10'; Wt. [illegible]

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D M E A
RECEIVED APR 29 1957
DATE [illegible]

[illegible] TOBACCO CORPORATION
2234 First National Bank Building
Denver 2, Colorado

Hole No. F-7

[illegible]

Drill Log

Hole No.	F-7	Collar:	
Location:		Elevation	8234.4
Latitude	4,401.6	Dip	0°00'
Departure	2,772.6	Bearing	234 [illegible]

295.0 - 352.8	Slightly foliated, coarse-grained biotite granite. Between 295 and 308, 3' lost Between 309 and 310, 3' lost Between 306 and 311, 4.7' lost Between 311 and 314, 2' lost Between 316 and 321, 3' lost Between 331 and 343, 2' lost Between 333 and 341, some pegmatite and some alteration a 1/2" vuggy quartz stringer at 335.5. Between 344 and 346, altered granite with specks of pyrite.
352.8 - 354.0	Pegmatite with hematite specks.
354.0 - 356.8	Altered, coarse, biotite granite.
356.8 - 367.0	Pegmatite with abundant quartz and some hematite stringers and specks. Between 353.3 and 354, 0.7' lost Between 356 and 364, 2.0' lost
367.0 - 376.0	Slightly altered, coarse, biotite granite Between 366 and 376, 4' lost
376.0 - 386.0	Medium to coarse-grained, gneissic granite.
386.8 - 387.0	Pegmatite with scattered pyrite specks.
387.0 - 401.0	Altered, coarse, highly gneissic, mostly biotite granite. Between 389 and 396, 3.7' lost
401.0 - 416.5	Gneissic to schistose, coarse-grained biotite granite. Between 402 and 413, 5' lost Between 410 and 413, slightly altered and some silicification Between 414 and 416, 1.0' lost
416.5 - 426.0	Light colored, fine-grained, aplitic material with rusty brown and black mineralization between 420 and 422. Between 420 and 426, 4' lost Sample No. [illegible] Assays from 420 to 426, WO_3 Nil

[illegible] TUNGSTEN CORPORATION
1636 First National Bank Building
Denver 2, Colorado

Hole No. P-7

ROCKY MINE

Drill Log

Hole No.	P-7	Collar:	
Location:		Elevation	8834.4
Latitude	4,601.6	Dip	0°00'
Departure	2,771.6	Bearing	S36 SLE

426.0 - 532.0 Coarse-grained, greenish gray, homogeneous biotite granite, veined with chlorite or serpentine heavily to 470. Slightly gneissic in places.
Between 469.4 and 471.0, granite is pink-colored and fractured and mineralized with a black, crystalline mineral and a gray metallic mineral:
Sample No. 63, vein between 469.4 and 471.0, 1.0', Au 0.34; Ag 0.94; Pb, Nil;
Between 469-494, pegmatite; almost solid, coarse, flesh-colored feldspar.
Between 532 and 540, 3' lost

532.0 - 548.0 Light-brown, medium to fine-grained, altered granite or aplite fractured and fractures coated with yellow and dark-brown gouge.
Between 535 and 537, band of fine-grained, gray, biotite schist.
Sample No. 64, sludge between 530 and 540, 10', Nil.

548.0 - 589.0 Greenish-gray, homogeneous to slightly gneissic, medium-grained biotite granite. At 588, schistose.
Between 556 and 560, 3' lost

589.0 - 596.0 Altered, fractured, crumbly granite veined and stained with rusty brown to black minerals.
Sample No. 65, sludge 590-594, Nil, Nil.
Sample No. 66, sludge 594-600, Nil, Nil.

596.0 - 600.7 Gray, unaltered, feldspar, medium-grained biotite granite.

600.7 Bottom of hole.

CERTIFICATE OF ASSAY

HILL & JUDE

. . . . . Assayers and Engineers

800 Pearl Street | HIllcrest 2-1629 | Boulder, Colorado

March 25, 1957

DETERMINATIONS MADE FOR: Reynolds Tungsten Corporation

DESCRIPTION	OUNCES PER TON		VALUE PER TON		WO_3	CaF_2	
	GOLD	SILVER	GOLD @	SILVER @	PER CENT	PER CENT	PER CENT
Sample No. 57					1.443	[illegible]	

CHARGES:

HILL & JUDE

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1957 Docket No. DMEA 3-07 Contract No. 3d-R 90

Operator's Name Reynolds Tungsten Corporation Minerals Tungsten

Address 1011 First National Bank Building, Denver, Colorado

Contract Amount, $25,2[illegible]2.50 Government Participation: 25 % Amount, $[illegible]

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						
Crosscutting	3,053.95	23,008.40	26,062.35			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,053.95	23,008.40	26,062.35	3,053.95	23,008.40	26,062.35

RECEIVED MAR 21 1957 D.M.E.A.

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

Date March 4, 1957 *Payee Reynolds Tungsten Corporation

Per G. C. Ricland Title Vice President

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

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

(Instructions on reverse)

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

$ 3396.46

Signature [illegible]
(Authorized Certifying Officer)

Date 3/19/57 Vou. No. DMA 57-101

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 909 in accordance with the terms of the contract.

Signature D. E. Redmon 2290.46 Title Min. Engr. Date 3-14-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. N. Hershman Title acting Executive Officer Date MAR 15 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1957 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		[illegible]	[illegible]	[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		[illegible]		[illegible]				

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 [illegible] Operator [illegible]

Per G. C. Richard Title Vice President

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) W. E. Redmon

RECEIVED MAR 21 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

224 New Customhouse
Denver 2, Colorado

March 15, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
3/22	C	220
22	Com	100
		800

FINAL DISTRIBUTION MADE MAR 19 1957

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket 3807, (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado - Operator's Monthly Progress Report, for the month of February, 1957

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

We consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

In accordance with a work approval dated February 12, 1957, a total of 69 feet of crosscutting has been transferred from Stage II to Stage I, in order to permit completion of the Stage I crosscut to a point 50 feet in the hanging wall of the Hurricane Hill breccia reef.

Remarks

Date of Report——————————March 6, 1957
Date Received in Field Office——————March 8, 1957
Date Received in Region Office——————March 14, 1957

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures
JDC:hh
cc: Chmn. Op. Comm. (2)
Shaw (2)
Harshman w/copy of engr's report
MF-104 File E909
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
MAR 14 1957
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
March 13, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Sharp
Supervising Mining Engineer

OFFICIAL-COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE

From: W. J. Tasch, Jr.
D. E. Redman

Subject: DMEA 3507 (Tungsten) Idn-5909
Reynolds Tungsten Corporation (Prospect Tunnel)
Boulder County, Colorado -- Progress Report for
February 1957

The Prospect Tunnel was examined on March 11, 1957 by D. E. Redman and W. J. Tasch, Jr., Bureau of Mines. The breast of the crosscut was 871 feet from the turn-off from the main Prospect Tunnel. A diamond drill station was made at the end of the crosscut by a 5-foot round deflected in a S. 30° E. direction and two slab rounds in a N. 30° W. direction. The total advance for the month was 105 feet, including the 8 feet allowed for the drill station.

The rock varies from a fresh to altered, white to gray granite which is highly fractured. A number of seams and small pockets of sulphide minerals, primarily galena with some chalcopyrite, occur sporadically in the last 40 feet of the crosscut. About 50 percent of the granite in this interval contains small disseminated particles of these sulphides. What is thought to be the hanging wall of the Hurricane Hill breccia reef is 53 feet back from the face of the crosscut. The 3-foot-wide hanging-wall fault zone strikes N. 40° W. and dips 75° NE. The breccia reef has a calculated width of 31 feet.

Four samples were taken at the locations shown on the enclosed DMEA map, and are being submitted for assay.

Stage I of the contract includes crosscutting 820 feet in a S. 72° E. direction from the face of the Prospect Tunnel, and two horizontal 600-foot core-drill holes to be drilled from the face of the crosscut.

The contract was amended February 12, 1937, allowing the transfer of sufficient footage from Stage II to Stage I to allow the crosscut to be extended 50 feet into the hanging wall of the Hurricane Hill breccia reef. As authorized under this amendment, 69 feet of crosscutting was done in addition to the 810 feet originally estimated.

The crosscutting portion of Stage I has been completed by a total of 879 feet of advance at $29.65 a foot. The total amount claimed is $26,062.35. Government participation at 75 percent would be $19,546.76. The diamond-core drilling portion of Stage I remains to be done. The amount of crosscutting and drifting allowed under Stage II has been reduced by 69 feet to 1,431 feet.

The narrative report and map filed by the operator are considered adequate and it is recommended that February costs amounting to $3,053.95 be allowed. Government participation at 75 percent would be $2,290.46.

W. J. Teschk
W. J. Teschk, Jr.
Mining Engineer

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

WJT/mr
Idm-2909
ex: 6
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

March 6, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE

Mr. W. M. Fraser, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. [illegible] 3007 (Tungsten)
Contract No. [illegible]

Dear Sir:

PROGRESS

Report for February, 1957

In February, the crosscut was extended on its regular, S. 72 E. course, to a point 471 feet from the point of beginning. A five-foot round was then deflected in the S. 30 E. direction of one of the drill holes and two slab rounds, equivalent to 3 feet of drifting, were taken in the N. 30 W. direction for a total advance of 10½ feet for the month. This completes the No. 1 project Stage I of the contract.

The rock encountered is an altered, gneissic granite. The granite is finely fractured with major crisscross fractures spaced one to two feet apart. The intervening areas are riddled with minor fractures. Both major and minor fractures are seamed with gray sulphide minerals, and, in places, with a cherty gray quartz. In fact, the granitic rock is finely peppered with disseminated gray sulphides. A little chalcopyrite also has been detected. The rock is medium grained, grayish white, foliated in numerous directions, and, in addition to the disseminated metallic mineralization, is composed of clear gray quartz, altered white feldspar, and earthy red and green alteration spots where some ferric mineral probably existed.

Yours respectfully,

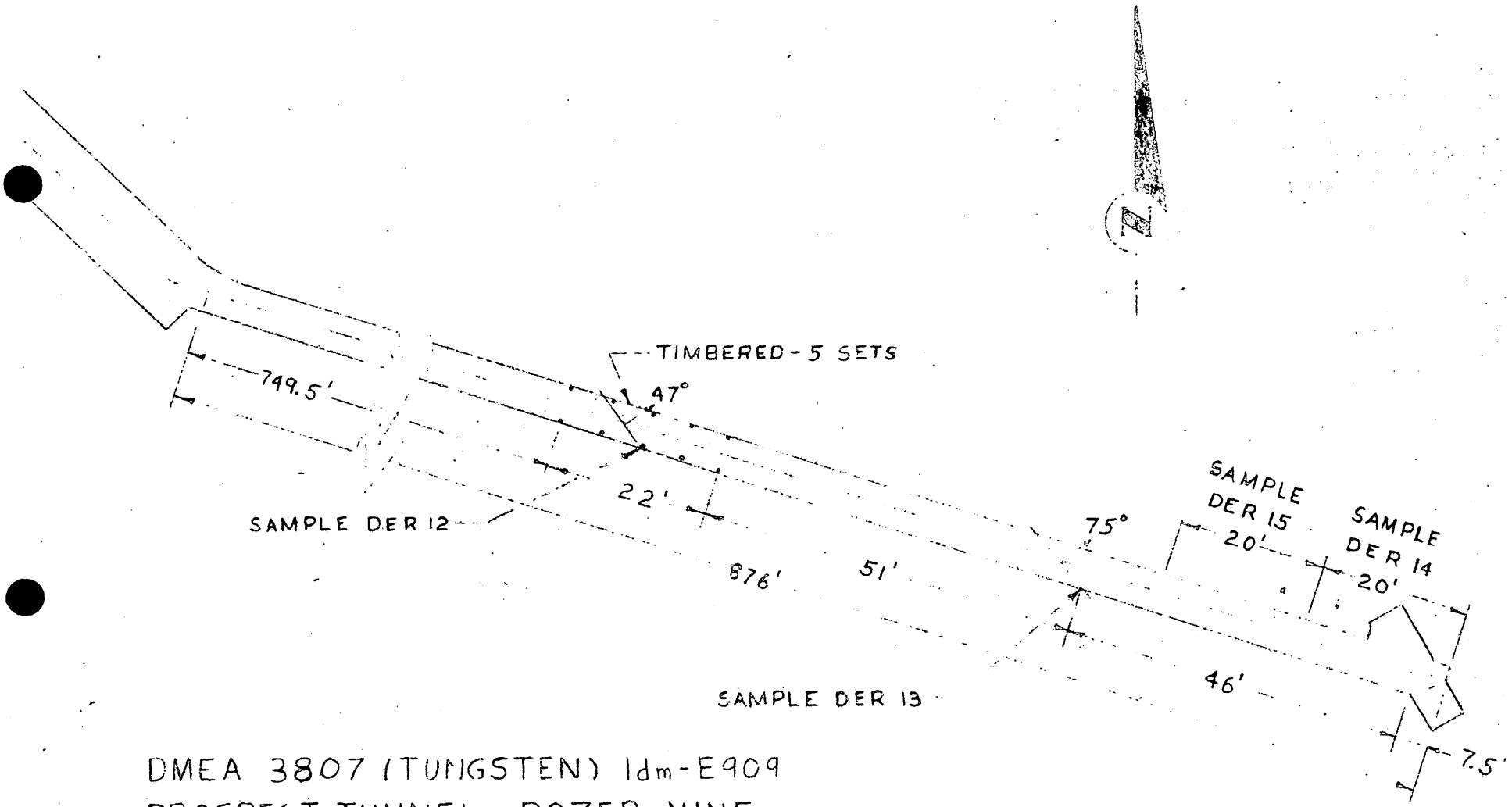
REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. H. J. Inckhardt, President
Reynolds Tungsten Corporation
New York, New York

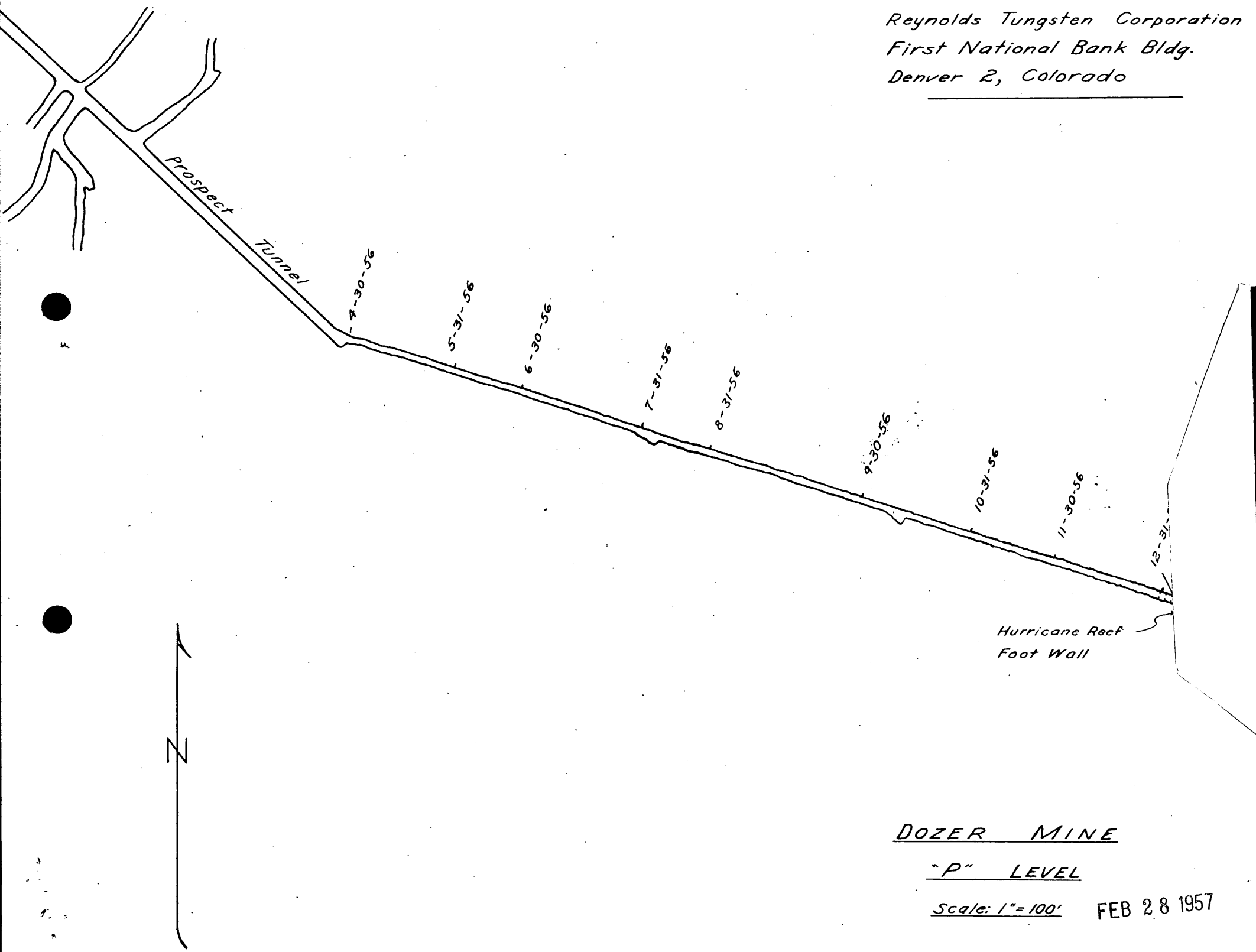


DMEA 3807 (TUNGSTEN) Idm-E909
PROSPECT TUNNEL - DOZER MINE
BOULDER COUNTY, COLO.
SCALE: 1"=20'
MARCH, 1957

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 21 1957

DATE	INITIALS	CODE

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

FEB 28 1957

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 21 1957

DATE	INITIALS	CODE

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1957 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $ 75,289.50 Government Participation: 75 % Amount, $ 56,467.13

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						
Crosscutting	889.50	22,118.90	23,008.40			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	889.50	22,118.90	23,008.40	889.50	22,118.90	23,008.40

RECEIVED FEB 18 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date February 1, 1957 Payee Reynolds Tungsten Corporation
Per [signature] Title Vice President

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 6,67 13
Signature [signature]
(Authorized Certifying Officer)
Date 2/13/57 Vou. No. DMA 57-84
(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. F4m-E909 in accordance with the terms of the contract.

Signature Carl Behrens (P.E. 7.13) Title Mining Engineer Date 2/7/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Calvey Title Executive Officer Date FEB 11 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED FEB 18 1957 D.M.E.A.

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

Month of January 1957 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	889.50	30.0	23,008.40	776.0	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		889.50	30.0	23,008.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		889.50		23,008.40				

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.

REMARKS:

Date February 1, 1957 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

(For Government use only) Earl Behr

INSTRUCTIONS

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

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

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

GPO 872894

FINAL DISTRIBUTION

MADE FEB 14 1957

224 New Customhouse
Denver 2, Colorado

February 12, 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3807, (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report, for the month of January, 1957

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

We consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report ----------February 1, 1957
Date Received in Field: Office ------ February 4, 1957
Date Received in Region Office ------ February 8, 1957

Original signed by
W. M. TRAVER

W. M. Traver

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE
2/18	E	220
19	Com	100
		800

Enclosures
JDC:hh
cc: Chmn. Op. Comm(2)
Shaw (2)
Harshman w/copy of engr's report
MF-104 File E909
Chron.

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
February 7, 1957

Memorandum

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Balser

Subject: DMEA 3507 (Tungsten) Contract Idm-3909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado -- Progress report for January 1957

The Prospect tunnel was visited on February 6, 1957 at which time the breast was in 787 feet from the main crosscut, or 11 feet past the breast claimed for January 31, 1957.

It is uncertain if the true hanging wall of the Hurricane Hill breccia reef has been reached.

The cost of crosscutting 30 feet at $29.65 a foot is $889.50. Payment of 75 percent of the above amount or $667.13 is recommended.

Carl Balser
Carl Balser
Mining Engineer

CB/mv
cc: 6
Idm-3909
Chron

DMEA
DEPARTMENT OF THE INTERIOR
FEB 8 1957
REGION I.
DENVER, COLORADO

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 18 1957

DATE	INITIALS	CODE

February 1, 1957

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3007 (Tungsten)
Contract No. Idm-E 909

Dear Sir:

DOZER MINE

Report for January, 1957

Progress with the crescent tunnel was delayed in January. The footwall of the Hurricane Breccia Reef was encountered and the entire advance of 30 feet was through heavy, soft, highly altered and brecciated material. Twenty-five feet of it was timbered. Five square sets were lagged on the sides as well as the back.

The footwall of the reef strikes S. 26 E. and dips 40° N.E. The first three to five feet contains a series of slip planes, three of which are prominent and located in and near the footwall. A band of dark-gray to black quartz, two to six inches wide, parallels the slip planes about three feet from the footwall. It fills breccia fragments in places, as does ferberite, giving the band the appearance of ferberite ore. Qualitative chemical tests, however, reveal no tungsten present.

About five feet above the footwall a silicified streak six inches wide parallels the footwall. Galena is disseminated in the quartz and a yellow stain (slightly radioactive) coats the quartz fractures. Specks of gray metallic minerals occur throughout the zone.

The true width of the Hurricane Reef appears to be about 15 feet, although the rock is altered and fractured above this horizon.

In the breast of the tunnel is a vein of quartz three feet wide striking in the same direction as the tunnel, S. 72 E., and dipping 60° N.E. It contains disseminated specks and globs of galena.

Yours respectfully,

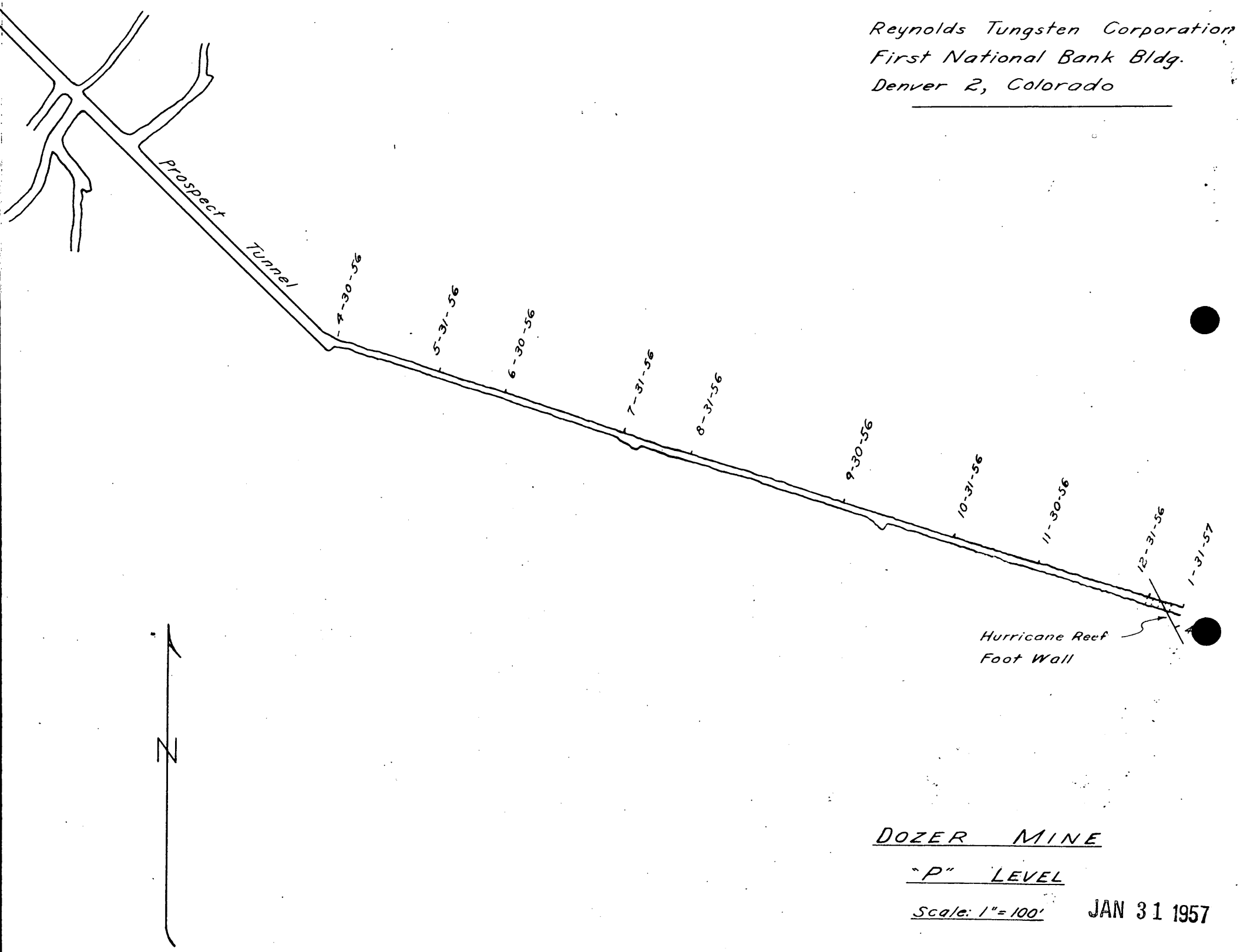
REYNOLDS TUNGSTEN CORPORATION

C. C. Ridland

C. C. Ridland

GCR:jd

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

JAN 31 1957

RECEIVED
FEB 10 1957
D.M.E.A.

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

Budget Bureau No. 42-R1036.5

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

Month of December, 1956 Docket No. DMEA 3307 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,289.50 Government Participation: 75 % Amount, $56,467.13

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						
Crosscutting	2,965.00	19,153.90	22,118.90			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,965.00	19,153.90	22,118.90	2,965.00	19,153.90	22,118.90

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 1, 1957 *Payee Reynolds Tungsten Corporation

Per H. C. Richards Title Vice President

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

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

(Instructions on reverse)

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

$2223.75

Signature [illegible]
(Authorized Certifying Officer)

Date 1/16/57 Voucher No. DMA 057-77

(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. DMA-E909 in accordance with the terms of the contract.

Signature Paul Belsher (2,223,75) Title Mining Engineer Date 1/8/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. [illegible] Title Executive Officer Date JAN 15 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED JAN 24 1957 DMEA

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

Month of December 195 6 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	2,965.00	100.0	22,119.90	746.0	29.65	610	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,965.00	100.0	22,119.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,965.00		22,119.90				

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 January 2, 1957 Operator Reynolds Tungsten Corporation

Per G. C. Leland Title Vice President

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) Carl Belan

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED JAN 24 1957 D.M.E.A.

224 New Customhouse
Denver 2, Colorado

January 15, 1957

FINAL DISTRIBUTION
MADE JAN 21 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3807 (Tungsten) Contract Idm-2909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of December 1956

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

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report ---------- January 2, 1957
Date Received in Field Office ---- January 3, 1957
Date Received in Region Office --- January 10, 1957

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
JBC:jy
cc: Cmm.Op.Comm. (2)
Shaw (2)
Barnsman w/copy engr's. report
MF-104 File 2909
Chron.

DMEA
DEPARTMENT OF THE INTERIOR

REGION III

JAN 10 1957
REGION III
DENVER, COLORADO

RECEIVED
JAN 24 1957
DMEA

Building 20
Denver Federal Center
Denver 2, Colorado
January 9, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Balser

Subject: DMEA 3807 (Tungsten) Contract Idm-2909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado -- Progress report for December 1956

The Prospect Tunnel was visited on January 8, 1957 at which time the breast was in 773 feet from the main crosscut, or 27 feet past the breast claimed for December 31, 1956. Two small almost barren veins were cut at 688 and 720 feet respectively. The Harrisonn Hill fault was cut at 764 feet. The strike is N 35° W and the dip 47° NE.

The country rock is granite, with some pegmatite and a little hematite.

The cost of crosscutting 100 feet at $29.65 a foot is $2,965.00. Payment of 75 percent of the above amount or $2,223.75 is recommended.

Carl Balser
Mining Engineer

CB/mr
cc: 6
Idm-2909
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

January 1, 1957

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3607 (Tungsten)
Contract No. Ida-E 909

Dear Sir:

DOKER MINE

Report for December, 1956

The crosscut was extended 100.0 feet in December in a medium to coarse-grained, pink, hard, fractured, granitic rock. The fractures contain thin veinlets of hematite.

A number of important-looking vein structures were encountered. They range from 1 to 4 feet in width, contain from 1/2 to 2 feet of gray cherty quartz, and associated with the quartz are stringers and globs of earthy-red hematite, earthy black material (possibly a manganese mineral) black quartz, and hydrothermal alteration of the wall rock. Selected specimens of vein material were taken for assay tests for tungsten.

Geological mapping of the tunnel is in progress and a map showing the location of these structures in relation to the tunnel will be forthcoming with the January report.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

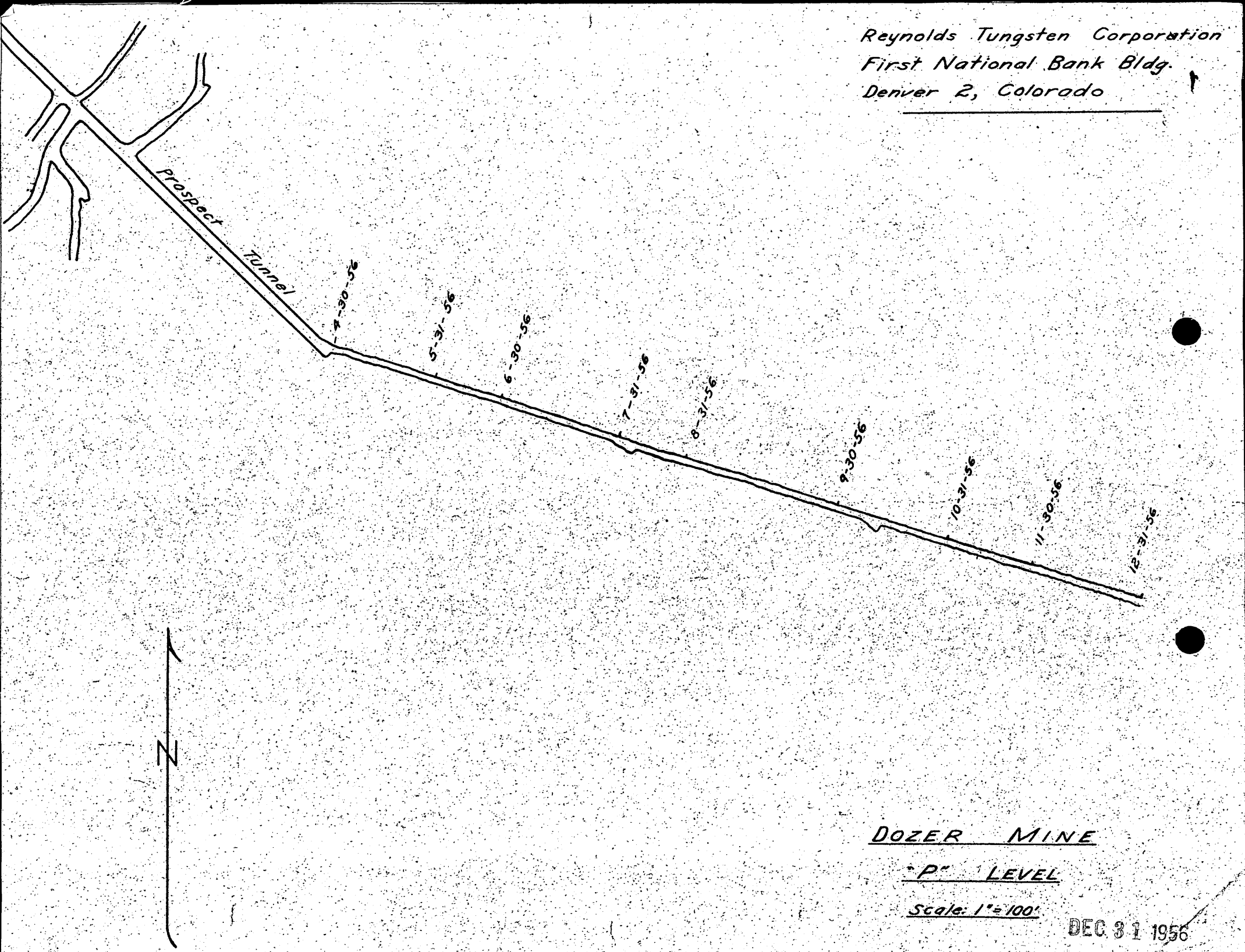
G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

DEC 31 1956

RECEIVED
JAN 24 1957
D.M.E.A.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 1956 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,289.50 Government Participation: 75 % Amount, $56,467.13

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						
Crosscutting	2,253.40	16,900.50	19,153.90			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,253.40	16,900.50	19,153.90	2,253.40	16,900.50	19,153.90

I certify that the above bill is correct and just and that payment therefor has not been received.
Date December 1, 1956 Payee Reynolds Tungsten Corporation
Per G. C. Robson Title Vice President

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$1690.05
Signature [illegible]
(Authorized Certifying Officer)
Date 12/18/56 Vou. No. 8074 57-67

(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. Edn-E909 in accordance with the terms of the contract.

Signature Carl Belu (P.1,690.05) Title Mining Engineer Date 12/10/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Mavey Title Executive Officer Date DEC 17 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-101A
(April 1952)

Budget Bureau No. 42-R1151.2

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

Month of November 1956 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	2,253.40	76.0	19,153.90	646.0	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,253.40	76.0	19,153.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,253.40		19,153.90				

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.

REMARKS:

Date December 1, 1956 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

(For Government use only)

Carl Belser

RECEIVED DEC 26 1956 DMEA

INSTRUCTIONS

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

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

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

GPO 872894

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

FINAL DISTRIBUTION
MADE DEC 20 1956

224 New Customhouse
Denver 2, Colorado

December 17, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket No. 3807, (Tungsten), Contract No. Idm-E909, Reynolds Tungsten Corporation, (Prospect Tunnel), Boulder County, Colorado, Operator's Monthly Progress Report, for the month of November, 1956

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

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

REMARKS

Date of Report - - - - - - - - - - - - - - - - - December 1, 1956
Date Received in Field Office - - - - - - - - - December 5, 1956
Date Received in Region Office - - - - - - - - December 12, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
JDC:ewa
cc: Chm. Op. Comm. (2)
Shaw (2)
Harshman) w/copy of
Townsend) engr's report
MF-104 File E909
Chron.

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
December 12, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado -- Progress report for November 1956

The Prospect Tunnel was visited on December 8, 1956, at which time the breast was in 675.7 feet from the main crosscut or 29.7 feet past the breast claimed for November 30, 1956. Two small barren veins were cut during the month at 646 feet and 675 feet. Both veins had strikes of about N 30° E and dips of 65° to 75° SE.

The country rock is granite, with some pegmatite and a little hematite.

The cost of crosscutting 76.0 feet at $29.65 a foot is $2,253.40. Payment of 75 percent of the above amount or $1,690.05 is recommended.

Carl Belser
Carl Belser
Mining Engineer

CB/mr
Idm-E909
cc: 6
Chron

DMEA
DEPARTMENT OF THE INTERIOR
DEC 12 1956
REGION III
DENVER, COLORADO

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

December 1, 1956

RECEIVED
DEC 26 1956
DMEA

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E 909

Dear Sir:

DOZER MINE

Report for November, 1956

The tunnel was advanced 76.0 feet. A siding was slashed out and a switch installed.

Coarse-grained granite containing veins of pegmatite and stringers of specularite predominated as the country rock encountered.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

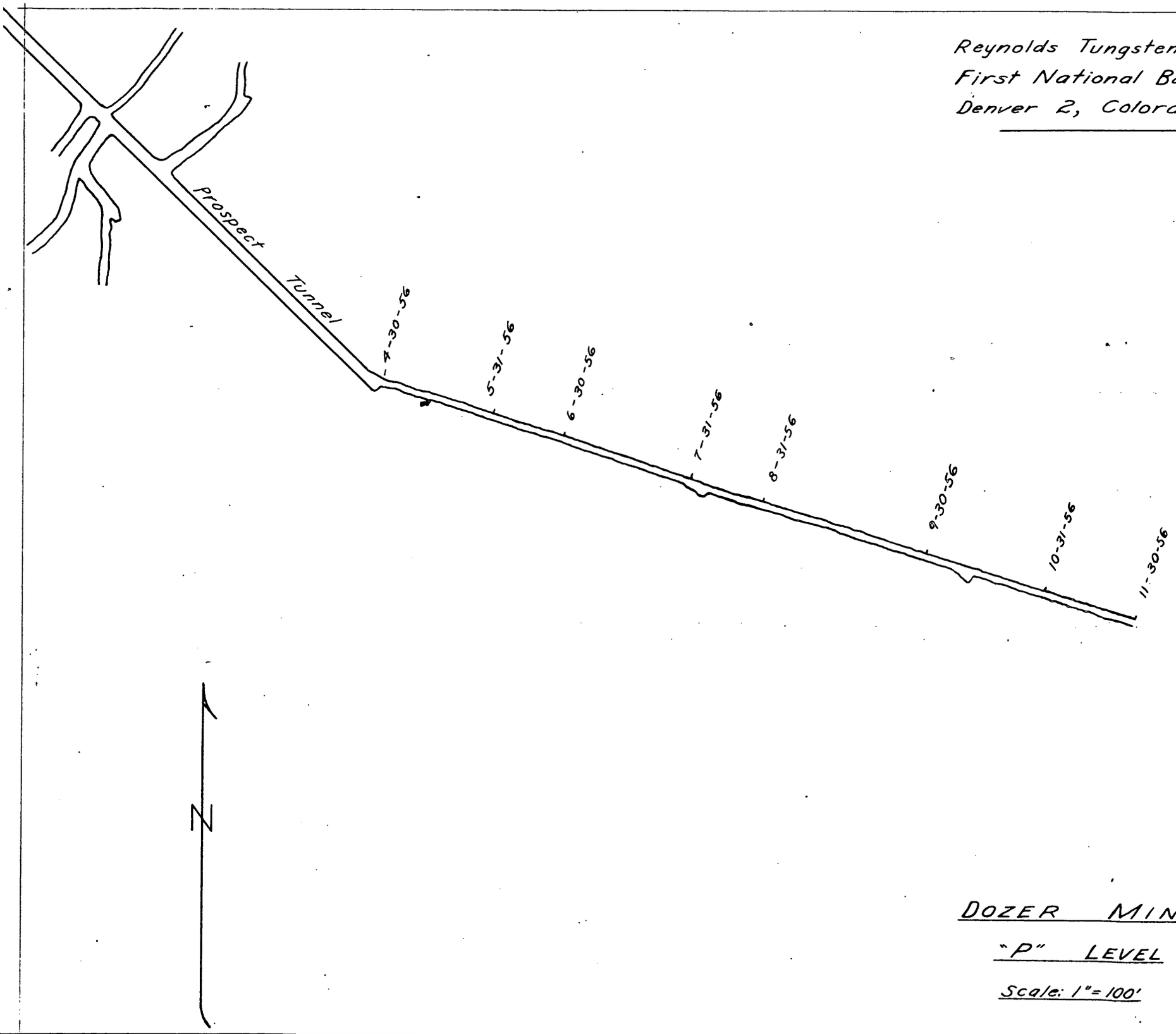
G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

NOV 30 1956

RECEIVED
DEC 26 1956
D.M.E.A.

[redacted]TF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

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

Month of October, 1956 Docket No. DMEA 2207 Contract No. Ida-S 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,289.50 Government Participation: 75 % Amount, $56,467.13

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						
Crosscutting	2,994.65	13,905.85	16,900.50			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,994.65	13,905.85	16,900.50	2,994.65	13,905.85	16,900.50

RECEIVED NOV 30 1956 D.M.E.A.

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

Date Nov. 1, 1956 *Payee Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

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

(Instructions on reverse)

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

$2245.99

Signature [signature]
(Authorized Certifying Officer)

Date 11/20/56 Vou. No. DMA 5768

(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. Jdu-E909 in accordance with the terms of the contract.

Signature Carl Belan (2,245,991) Title Mining Engineer Date 11/13/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Carey Title Executive Officer Date NOV 16 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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

RECEIVED NOV 30 1956 D.M.E.A.

Month of October 1956 Docket No. DMEA 307 Contract No. [illegible] 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	2,994.65	101.0	16,900.50	570.0	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,994.65	101.0	16,900.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,994.65		16,900.50				

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.

REMARKS:

Date October 1, 1956 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

(For Government use only) Carl Baker

INSTRUCTIONS

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

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

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

GPO 872894

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

224 New Customhouse
Denver 2, Colorado

November 16, 1956

RECEIVED NOV 30 1956 D.M.E.A.

FINAL DISTRIBUTION MADE NOV 28 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of October, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report- - - - - - - - - - - - - November 1, 1956
Date Received in Field Office- - - - November 2, 1956
Date Received in Region Office - - - November 16, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E909
Chm. Op. Comm. (2)
Shaw (2)
Harshman w/copy engr's report
Chron.

REGION III

Memorandum

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

RECEIVED
NOV 20 1956

DMEA
DEPARTMENT OF THE INTERIOR
NOV 16 1956
REGION III
DENVER, COLORADO

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3807 (tungsten) Contract Idm-8909, Reynolds Tungsten Corp. (Prospect tunnel) Boulder County, Colorado
—Progress report for October 1956

The Prospect tunnel was visited on November 13, 1956, at which time the breast was in 589.2 feet from the main tunnel, or 19.2 feet past the breast claimed for October 31, 1956. Room for a switch had been slabbed from the southwest wall of the crosscut between 513 and 537 feet from the main crosscut. At 3 feet from the present breast a fault zone striking S. 10° E. and dipping NE. 45° was penetrated, which contains broken-up material with some hematite to the present face.

The cost of crosscutting 101 feet at $29.65 a foot is $2,994.65. Payment of 75 percent of the above amount or $2,245.99 is recommended.

Carl Belser

Carl Belser
Mining Engineer

CB:sh

cc: 6
Idm-8909
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

November 1, 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E 909

Dear Sir:

DOZER MINE

Report for October, 1956

The crosscut was driven 101.0 feet during October in country rock consisting of gneissic granite with inclusions of schist and dikes of pegmatite.

At 39 feet from the October 31st face, a fracture was encountered striking northwest and dipping 65 degrees southwest. At 18 feet from the face a fault was encountered striking N 10 E and dipping steeply west. The break contains a gauge seam 1 to 3 inches wide. The rock does not match on the two sides of the fault. On the west side, the granitic rock is hard, unaltered, and dark gray with a preponderance of biotite. On the east side the granitic rock is light-gray with very little femic mineral, and it is a slightly altered, softer rock. Water is seeping from both structures.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

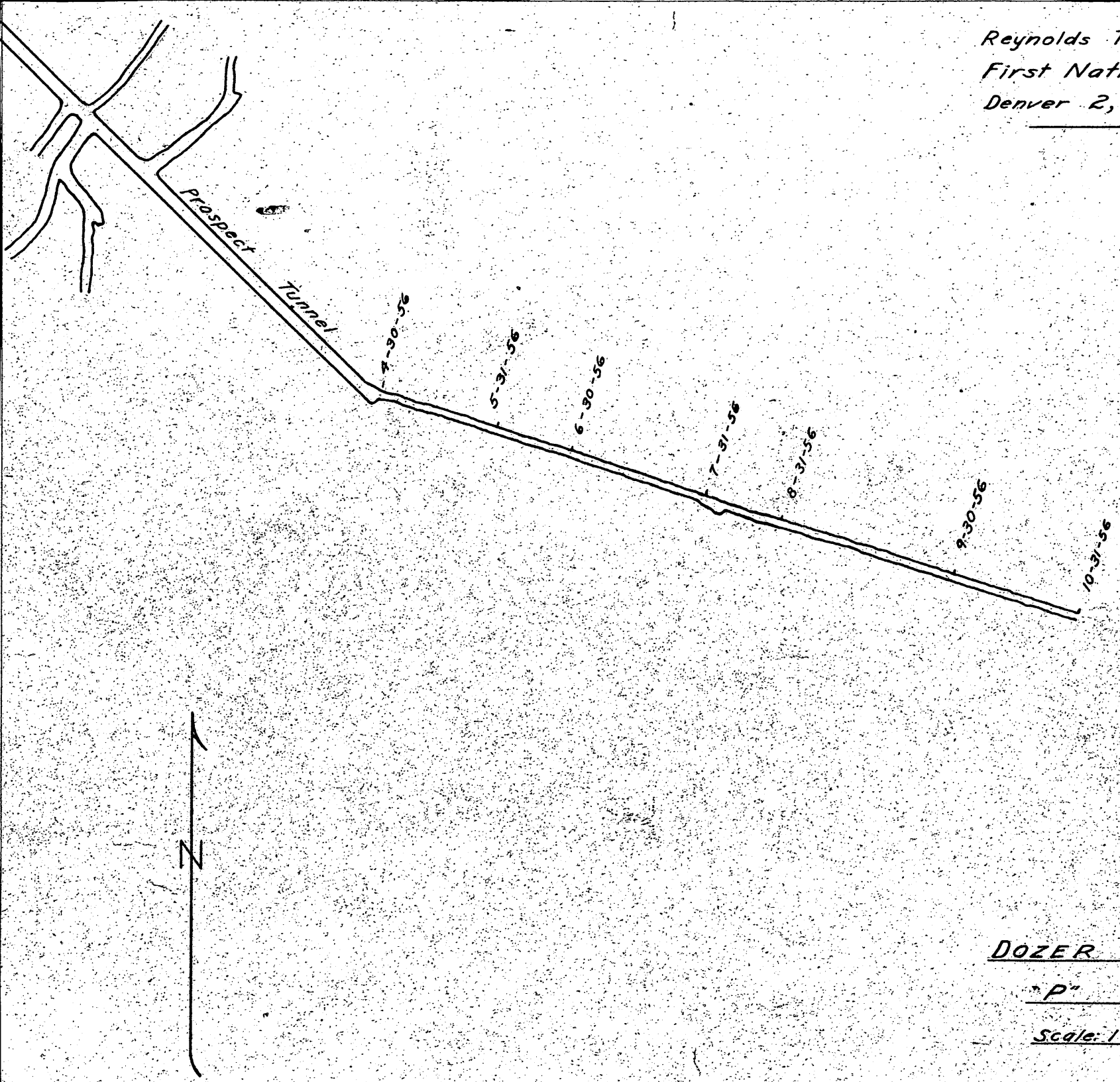
G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporat
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

OCT 31 1956

RECEIVED
NOV 30 1956
D.M.E.A.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 19 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1956 Docket No. DMEA 3807 Contract No. Idm-R 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $ 75,289.50 Government Participation: 75 % Amount, $56,467.13

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						
Crosscutting	4,151.00	9,754.85	13,905.85			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,151.00	9,754.85	13,905.85	4,151.00	9,754.85	13,905.85

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

Date Oct. 1, 1956 *Payee Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

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

(Instructions on reverse)

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

$ 3113.25

Signature [signature]
(Authorized Certifying Officer)

Date 10/12/56 Vou. No. DMA 57-45

(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. Jdm-E 969 in accordance with the terms of the contract.

Signature Carl Behm (3,113,25) JJK Title Mining Engineer Date 10/4/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hanchman Title Acting Executive Officer Date OCT 9 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 19 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 6 Docket No. DMEA 3907 Contract No. Ida-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	4,151.00	140.0	13,905.85	469.0	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4,151.00	140.0	13,905.85				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,151.00		13,905.85				

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 October 1, 1956 Operator Reynolds Tungsten Corp.

Per G. Rideal Title Vice President

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) Carl Brion

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
OCT 19 1956

224 New Customhouse
Denver 2, Colorado

October 9, 1956

FINAL DISTRIBUTION
MADE OCT 16 1956

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of September, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report- - - - - - - - - - - - - - - October 1, 1956
Date Received in Field Office- - - - - - October 2, 1956
Date Received in Region Office- - - - - October 8, 1956

E N. Harshman

E. N. Harshman

Enclosures
JDC:jy
cc: MF-104 File E909
Sec. Op. Comm. (2)
Shaw (2)
Harshman w/copy engr's report
Chron.

RECEIVED
OCT 19 1956

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
Oct. 5, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3807 (Tungsten) Contract Idm-2909,
Reynolds Tungsten Corp. (Prospect Tunnel)
Boulder County, Colo. -- Progress report for September 1956

The Prospect Tunnel was visited on October 3, 1956, at which time the breast was in 492.7 feet from the main tunnel, or 23.7 feet past the breast claimed for September 30, 1956. At 408 feet from the main crosscut a 4-inch vein, carrying hematite, striking N 20° W, and dipping 75° NE, was cut. The breast is in dark granite.

The cost of crosscutting 140 feet at $29.65 a foot is $4,151.00. Payment of 75 percent of the above amount or $3,113.25 is recommended.

Carl Belser
Carl Belser
Mining Engineer

CB/mr
cc: 6
Idm-2909
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

October 1, 1956

RECEIVED
OCT 19 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E 909

Dear Sir:

DOZER MINE

Report for September, 1956

The crosscut was extended 140.0 feet in September.

The country rock continued as schist and pegmatite for 100 feet. For the next 40 feet an aplite was encountered. The aplite contains hematite in scattered stringers and in disseminated specks.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

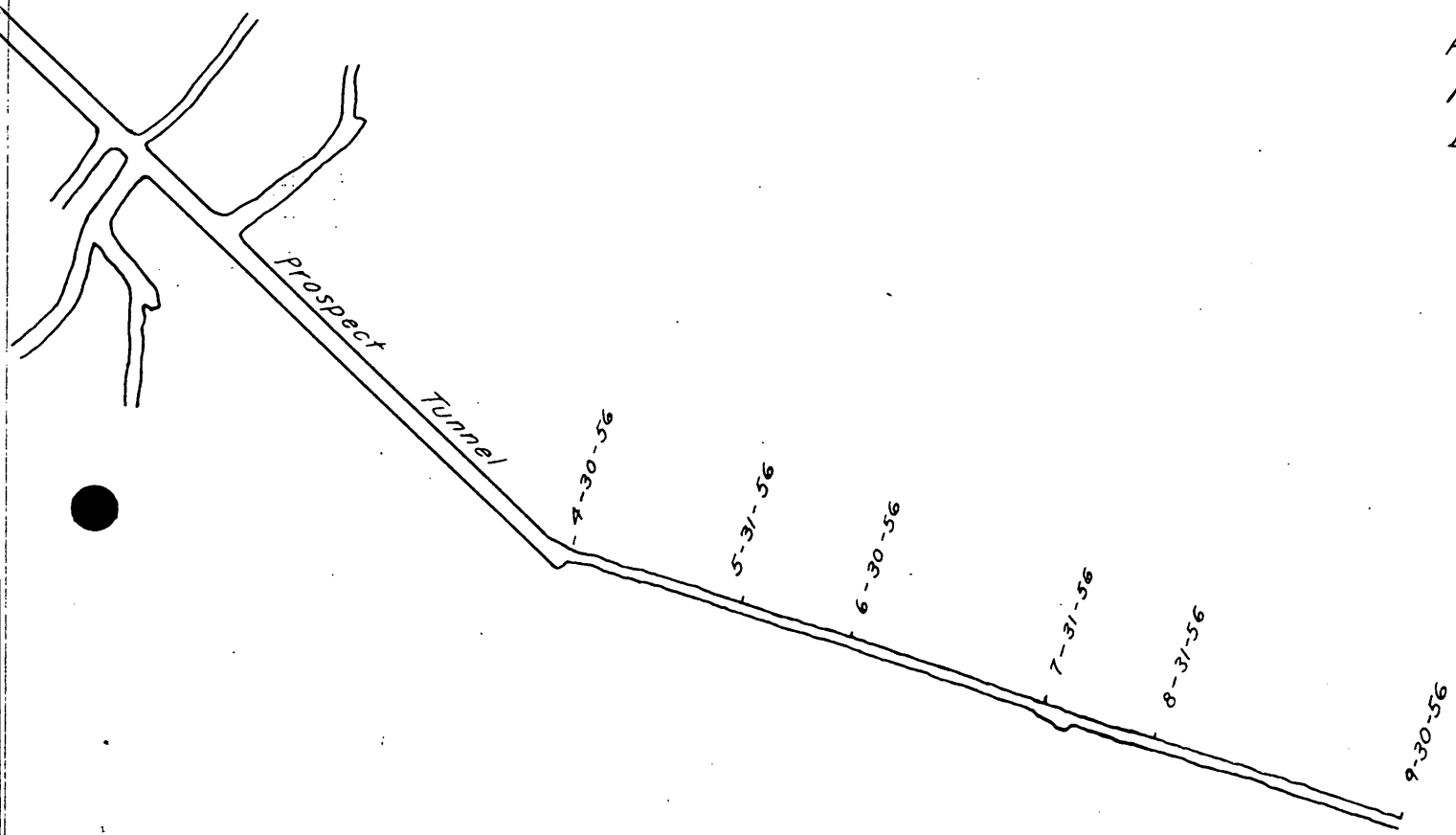
G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

SEP 30 1956

-104 (Rev.)
pril 1952)

Budget Bureau No. 42-R1036.5

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

Month of August, 1956 Docket No. DMEA 3007 Contract No. Idm-2 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $ 75,277.50 Government Participation: 75 % Amount, $ 56,467.13

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						
Crosscutting	1,927.25	7,827.60	9,754.85			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,927.25	7,827.60	9,754.85	1,927.25	7,827.60	9,754.85

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

Date Sept. 4, 1956 *Payee Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

RECEIVED
SEP 26 1956

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:

$ 14445-44

Signature [signature]
(Authorized Certifying Officer)

Date 9/18/56 Vou. No. DMA 57-33

(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. F4-E909 in accordance with the terms of the contract.

Signature Carl Bolm (1,445,44) Title Mining Engineer Date 9/12/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Chaney Title Executive Officer Date SEP 14 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1956 Docket No. DMEA 3307 Contract No. Idm-2 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado

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	Feet	1,927.25	65.0	9,754.85	329.0	29.65	010	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,927.25	65.0	9,754.85				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,927.25		9,754.85				

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.

REMARKS:

Date September 4, 1956 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

(For Government use only) [signature]

RECEIVED
SEP 26 1956

INSTRUCTIONS

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

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

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

GPO 872894

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

224 New Customhouse
Denver 2, Colorado

September 14, 1956

FINAL DISTRIBUTION
MADE SEP 24 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of August, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report - - - - - - - - - - - September 4, 1956
Date Received in Field Office- - - September 6, 1956
Date Received in Region Office- - September 13, 1956

W. M. TRAVER

W. M. Traver

RECEIVED
SEP 26 1956

Enclosures
JDC:jy
cc: MF-104 File E909
Sec. Op. Comm. (2)
Shaw (2)
Harshman w/copy engr's report
Chron.

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
September 13, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3607 (Tungsten) Contract Idm-2909, Reynolds Tungsten Corp. (Prospect Tunnel) Boulder County, Colorado -- Progress report for August 1956

The prospect tunnel was visited on September 11, 1956, at which time the breast was in 377 feet from the main tunnel, or 47 feet past the breast claimed for September 1. At 247 feet from the main crosscut the southeast side of the new crosscut was slabbed to make room for a switch, and at 337 feet a tight 4-inch vein carrying galena strikes S 30° E and dips 50° SW. The breast is in dark granite and pegmatite.

The cost of crosscutting 65 feet, at $29.65 a foot is $1,927.25. Payment of 75 percent of the above amount or $1,445.44 is approved.

Carl Belser
Carl Belser
Mining Engineer

CB/mw
cc: 6
Idm-2909
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

September 4, 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. IdM-R 909

Dear Sir:

DOKER MINE

Report for August, 1956

The tunnel was extended 65 feet during August. One crew quit early in the month, thus reverting the operation to a single shift. The regular advance was also delayed slightly by the slashing of one of the walls to make room for a switch.

The crew reported cutting a thin seam of ferberite at a point 30 feet back from the Aug. 31st face, but the writer was unable to locate the mineralization.

A tight 1 to 4-inch vein of calcite, galena, pyrite and chalcopyrite was exposed in the last round. It does not appear to be associated with any fractures or normal ferberite-bearing vein material.

The country rock encountered remained the same, that is dark gray schist and pink-colored pegmatite heterogeneously mixed.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Lockhurst, President
Reynolds Tungsten Corporation
New York, New York

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 1956 Docket No. DMEA 107 Contract No. Idaho 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,289.50 Government Participation: 75 % Amount, $56,467.13

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						
Crosscutting	3,202.20	4,625.40	7,827.60			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,202.20	4,625.40	7,827.60	3,202.20	4,625.40	7,827.60

I certify that the above bill is correct and just and that payment therefor has not been received.
Date August 10, 1956 Payee Reynolds Tungsten Corporation
Per G. C. [illegible] Title Vice President

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

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

(Instructions on reverse)

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

$2401.65

Signature [illegible]
(Authorized Certifying Officer)

Date 8/27/56 Vou. No. DMM 57-24

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Edm-E 904 in accordance with the terms of the contract.

Signature [illegible] (3401.65) WJK for [illegible] Title Mining Engineer Date 5/19/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Lowry Title Executive Officer Date AUG 23 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form M2-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 3 1 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1956 Docket No. DMEA 3807 Contract No. Idm-E 909

Operator's Name Reynolds Tungsten Corporation Minerals Tungsten

Address 1036 First National Bank Building, Denver, Colorado

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	Feet	3,202.20	108.0	7,827.60	264.0	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,202.20	108.0	7,827.60				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,202.20		7,827.60				

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.

REMARKS:

Date August 10, 1956 Operator Reynolds Tungsten Corporation

Per G. C. Rudland Title Vice President

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

(Instructions on reverse)

(For Government use only) Earl Below

INSTRUCTIONS

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

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

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

GPO 872894

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

224 New Customhouse
Denver 2, Colorado

August 23, 1956

FINAL DISTRIBUTION
AUG - 9 1956
MADE

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of July, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report - - - - - - - - - - - - - - - - - August 10, 1956
Date Received in Field Office - - - - - - - - - August 13, 1956
Date Received in Region Office- - - - - - - - August 21, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E909
Sec. Op. Comm. (2)
Shaw (2)
Chron.

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
August 20, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw for WDK 75
Supervising Mining Engineer

From: Carl Belser

Subject: DMEA 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado -- Progress report for July 1956

The Prospect tunnel was visited on August 7, 1956, at which time the breast was in 283 feet from the main tunnel. Three small veins or fractures were cut.

The cost of crosscutting 108 feet at $29.65 a foot is $3202.20. Payment of 75 percent of the above amount or $2401.65 is recommended.

Carl Belser

Carl Belser
Mining Engineer

CB/mw
cc: 6
Idm-E909
Chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
Denver 2, Colorado

August 10, 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E 909

Dear Sir:

DOZER MINE

Report for July, 1956

The tunnel was driven 108.0 feet during July.

The rock encountered was predominantly schist with an average strike of north-south and a 60 to 70 degree dip to the east for the schistosity. Pink-colored pegmatite sills are common in the schist.

Three fractures were exposed. The first, at 224 feet from the point of beginning, contained 2 to 5 inches of brownish-gray, vuggy vein quartz with a little hematite. The second, at 232 feet, contained up to six inches of gray vuggy vein quartz in a slightly altered zone. Some black material with the quartz suggested the presence of tungsten, but a qualitative chemical test failed to confirm its presence. The third, at 266, contained a one-inch creamy carbonate stringer in an altered zone about one foot wide.

The ventilation system was installed to the end of the old section of the tunnel, and near the end of the month, the work was put on a two-shift basis.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

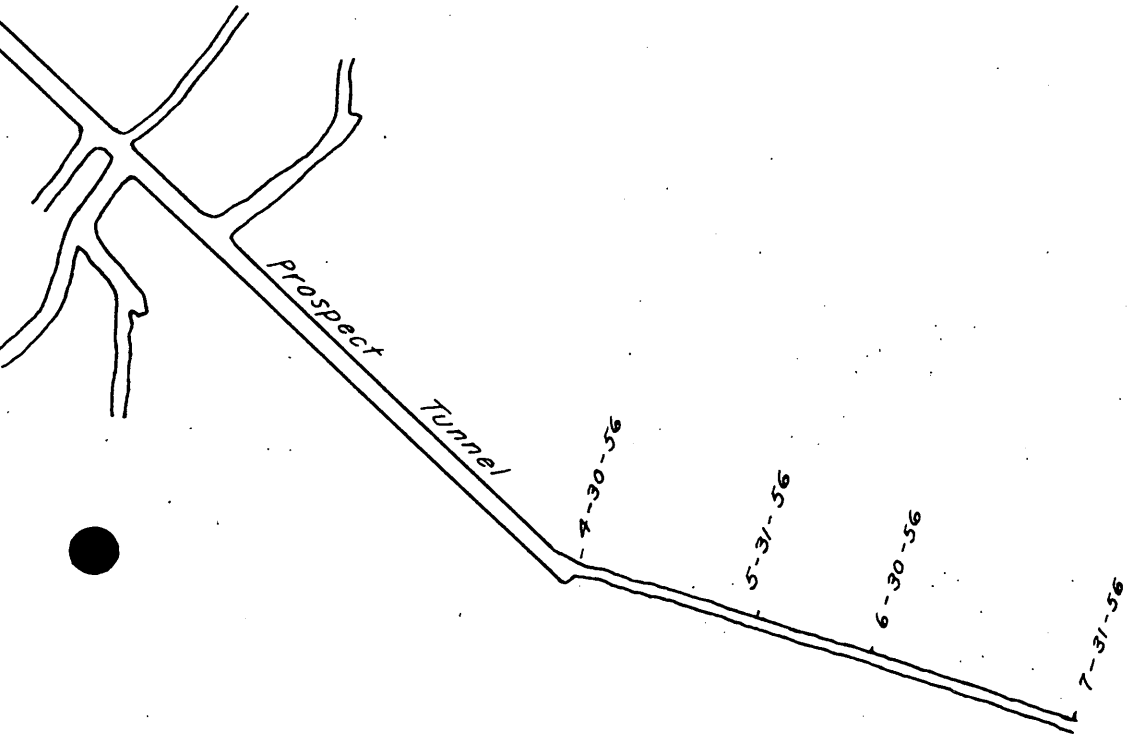
G.C. Ridland

G.C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

JUL 31 1956

F-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
JUL 25 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 6 195 Docket No. DMEA 3807 Contract No. Idm-E 909

Operator's Name Reynolds Tungsten Corporation Minerals Tungsten

Address 1036 First National Bank Building, Denver, Colorado

Contract Amount, $ 75,289.50 Government Participation: 75 % Amount, $ 56,467.13

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						
Bulldozing	1,838.30	2,787.10	4,625.40			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,838.30	2,787.10	4,625.40	1,838.30	2,787.10	4,625.40

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

Date July 12, 1956 *Payee Reynolds Tungsten Corporation

Per G. C. Rickard Title Vice President

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

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

(Instructions on reverse)

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

$ 1378.73

Signature [illegible] (Authorized Certifying Officer)

Date 7/20/56 Vou. No. DMA 57-10

(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. E909 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,378.23 Title Mining Engineer Date JUL 18 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Lowe Title Executive Officer Date JUL 19 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]-104A
[illegible]pril 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JUL 25 1956

Month of June 1956 Docket No. DMEA 3807 Contract No. Idm-3909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Bldg., Denver, Colorado

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	Feet	1,838.30	62.0	4,625.40	156	29.65	810	29.65
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,838.30	62.0	4,625.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,838.30		4,625.40				

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.

REMARKS:

Date July 12, 1956 Operator Reynolds Tungsten Corporation

Per [signature] Title Vice President

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

(Instructions on reverse)

R. L. Bolmer

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
JUL 25 1956

224 New Customhouse
Denver 2, Colorado

July 19, 1956

FINAL DISTRIBUTION

MADE JUL 23 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado - Operator's Monthly Progress Report for the month of June, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report---------- July 12, 1956
Date Received in Field Office---------- July 17, 1956
Date Received in Region Office---------- July 18, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E909
Sec. Op. Comm. (2)
Shaw (2)
Chron.

DMEA
Date Rec'd.
JUL 18 1956
BUREAU OF MINES
Denver, Colorado
RECEIVED
JUL 25 1956

REGION III

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

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Prospect tunnel) Boulder County, Colorado -- Progress report for June 1956

The progress reported this period under the subject short-form contract -- 62 feet of crosscutting on the Prospect tunnel level -- was verified during an inspection of the property July 5, 1956.

On the date of inspection, the breast of the project crosscut measured 177 feet on a course S. 72° E. from the ℄ of the Prospect tunnel or 165 feet from the northwest rib of the tunnel. The northwest rib of the tunnel was the starting point for the exploratory crosscut authorized under stage I of the contract. Stage I of the contract provides for 810 feet of crosscutting on course S. 72° E. from the end of the Prospect tunnel. It also provides for the excavation of a drill station at the end of the crosscut and the core drilling of two, 600-foot prospect holes southeasterly and northwesterly from this station. Last period, the operator reported, and was reimbursed for, the initial 94 feet of the project crosscut. The 62 feet of crosscut advance that is reported for the June period, therefore, is valid and proper.

Project work during the June period was carried out according to the specifications stipulated in the contract. The $1,838.30 total costs reported for this period on the operator's MF-104 forms -- equivalent to 62 feet of crosscutting at the agreed upon unit price of $29.65 per foot -- are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $1,378.73, is recommended.

R. L. Bolmer
Mining Engineer

RLB/mr
Idm-E909
cc: 6
chron

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Bldg.
Denver 2, Colorado

July 12, 1956

RECEIVED
JUL 25 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm - E909

Dear Sir:

DOZER MINE

Report for June, 1956

The Prospect Tunnel was extended 62.0 feet in the same direction during the month of June (Map dated May 31, 1956, submitted with last month's report).

The rock through which the tunnel advanced continued to be pegmatite heterogeneously mixed with schist and gneiss.

A Joy Axi-Vane Blower (capacity 8,600 cu. ft./min.) was purchased for installation at the portal. It will be connected to 18-inch vent pipe to ventilate the tunnel to enable the work to proceed on a 2-shift per day basis.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 27 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1956 Docket No. DMEA 3807 Contract No. Idm-E 909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Building, Denver, Colorado
Contract Amount, $75,239.50 Government Participation: 75% Amount, $56,467.13

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						
Crosscutting	2,787.10		2,787.10			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,787.10		2,787.10	2,787.10	—	2,787.10

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 7, 1956 *Payee Reynolds Tungsten Corporation
Per G. C. Richards Title Vice President

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$2090.33

Signature [signature]
(Authorized Certifying Officer)
Date 6/18/56 Vou. No. DMA 56-120
(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. DMA-E908 in accordance with the terms of the contract.

Signature R. L. Belmey, $2,090.33 Title Mining Engineer Date JUN 12 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. [illegible] Title Executive Officer Date JUN 15 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MTF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 27 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1956 Docket No. DMEA 3807 Contract No. Idm-5909
Operator's Name Reynolds Tungsten Corporation Minerals Tungsten
Address 1036 First National Bank Bldg., Denver, Colorado

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
~~Drifting~~ Crosscutting	Feet	2,787.10	94.0 ft.	2,787.10	94.0	29.65	610 ft	29.65/ft.
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2,787.10	94.0 ft.	2,787.10				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2,787.10		2,787.10				

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, 1956 Operator Reynolds Tungsten Corporation

Per G. C. Rissler Title Vice President

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)

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 872894

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

June 15, 1956

294 New Customhouse
Denver 2, Colorado

FINAL DISTRIBUTION
JUN 25 1956
MADE

RECEIVED
JUN 27 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3807 (Tungsten) Contract Idn-2909, Reynolds Tungsten Corporation (Prospect Tunnel) Boulder County, Colorado Operator's Monthly Progress Report, for the Month of May, 1956

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

It is deemed that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

REMARKS

Date of Report----------June 7, 1956
Date Received in Field Office----------June 11, 1956
Date Received in Region Office----------June 13, 1956

W. M. TRAVER,

W. M. Traver

Enclosures
WMTmh
cc: MF-104 file 2909
Sec. Op. Comm. (2)
Shaw (2)
Chron.

RECEIVED
JUN 27 1956

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
June 13, 1956

DMEA
Date Rec'd.
JUN 13 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: John F. Shea
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3807 (Tungsten), Contract Idm-2909, Reynolds Tungsten Corp. (Prospect Tunnel), Boulder County, Colo. — Progress Report for May 1956.

The progress reported this period under the subject short-form contract — 54 feet of crosscutting on a course S. 72° E. from the existing breast of the Prospect Tunnel — was verified during an inspection of the property June 11, 1956.

On the date of inspection, the breast of the project crosscut measured 130 feet from the ℄ of the Prospect tunnel or 118 feet from the northeast rib of that tunnel. This rib was the starting point for the exploratory crosscut authorized under Stage I of the contract. The crosscut was driven to a 5- by 7-foot cross section. Timber support was not required. The rocks encountered in the heading were schist, gneiss, and pegmatite. A 2-foot shear zone in pegmatite was intersected at a point 65 feet from the tunnel. This zone reportedly contained considerable amounts of water but had drained itself by the date of inspection. The "two small stringers of grey sulphide mineral", which are mentioned in the operator's narrative, were not observed during the inspection.

The project heading is being driven by two miners under a labor contract rate of $10.00 per foot. A supervisor from the company's Central City operations visits the project periodically. Preparatory work at the property started April 24, 1956. The surface facilities were repaired, sections of the tunnel were cleaned up, and several slabbing rounds were broken from the rib at the tunnel breast so as to align the project heading on the correct course. The first full crosscut round was drilled and blasted on May 2, 1956. A surveyor employed by Cold Spring Tungsten, Inc. established the initial line points for the crosscut and will check the heading periodically for grade and bearing.

The $2,797.10 total costs reported for the May period on the operator's MF-104 forms — equivalent to 54 feet of crosscutting at the agreed upon unit price of $29.65 per foot — are approved. The work completed during this initial period of the project conforms with the terms of the contract. Reimbursement to the operator of 75 percent of the approved costs, or $2,098.33, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc Idm-2909
Chron.

REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Bldg.
Denver 2, Colorado

June 7, 1956

RECEIVED
JUN 27 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm- E909

Dear Sir:

DOZER MINE

Report for May, 1956

The Prospect Tunnel was advanced 94.0 feet during the month of May.

The rock through which the tunnel was extended is predominately a coarse pegmatite. Between 40 and 50 feet from the point of beginning (breast of old tunnel) a zone of altered gneiss was encountered. At 65 feet, a 2-foot wide zone of altered pegmatite was encountered from which an abundance of water was drained. Two small, relatively unimportant stringers of gray sulphide mineral were noted.

At the portal some work was necessary. A trestle was built and track laid on the tressel to facilitate disposal of muck.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

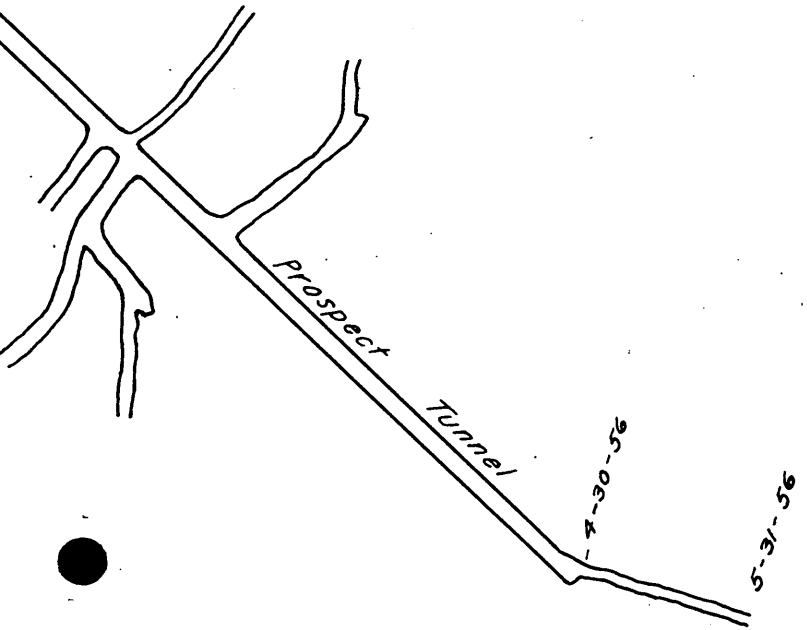
G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corporation
New York, New York

Reynolds Tungsten Corporation
First National Bank Bldg.
Denver 2, Colorado



DOZER MINE

"P" LEVEL

Scale: 1" = 100'

MAY 31 1956

RECEIVED
JUN 27 1956

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

RECEIVED
MAY 14 1956

224 New Customhouse
Denver 2, Colorado

May 11, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation (Dozer Mine) Boulder County, Colorado

Enclosed are two copies of a narrative report from the subject operator which summarizes preliminary work performed in connection with Contract Idm-E909 during the month of April, 1956.

No actual crosscutting or drilling was completed, therefore no Forms MF-104 and MF-104A were submitted with the operator's narrative.

W. M. Traver

Enclosures

REYNOLDS TUNGSTEN CORPORATION
822 First National Bank Bldg.
Denver 2, Colorado

May 7, 1956

DMEA
Date Rec'd.
MAY 10 1956
BUREAU OF MINES
Denver, Colorado

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E909

Gentlemen:

DOZER MINE

Report for April, 1956

Two men who had promised to begin work for us at the Dozer mine failed to show up. Two other men were found and said they would begin in a few days. Several days after they were to appear, we learned they had gone to work at another operation. As a result, we were unable to get a crew actually at work until April 23, although we did some preliminary surface mechanical work and brought in supplies with the aid of some of our crew from our other operation.

From the 23rd to the 30th, loose rock in the Prospect Tunnel was barred down, mucked up, and trammed to the surface. 400 feet of air and water lines and 100 feet of track were laid to the breast.

Two slab rounds were taken in preparation for beginning the extensions of the tunnel. As no advance was made in April the MF-104 and 104A reports will not accompany this narrative report.

Yours respectfully,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

G. C. Ridland

GCR:jd

cc: Mr. D. J. Luckhurst, President
Reynolds Tungsten Corp.
New York, New York

See. Op. Comm

R. E. Belmer

DEC 5 1958

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Frank E. Johnson

[illegible]

[illegible]

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

DEC 5 1958

Cold Spring Tungsten, Inc.
1936 First National Bank Building
Denver 2, Colorado

Re: Docket No. DMEA 3807 - Tungsten
Reynolds Tungsten Corporation
Dunner Mine
Boulder County, Colorado
Contract No. Idm-2909

Gentlemen:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Owner's Consent to Lien signed by you on December 30, 1955, under the DMEA program which has now been succeeded by the Office of Minerals Exploration program.

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosure

SPHORN:fec
12-4-58
cc to: Code 400
800
Director's Read. File
Operating Comm.
FT. REG. III
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

Audit copy

ORIGINAL FILE COPY
DMEA

TERMINATION AGREEMENT

It is agreed this 3rd day of January, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Reynolds Tungsten Corporation, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. IDA-5999 (Docket No. DMEA-3087), dated December 28, 1955, as amended, hereinafter called the "Contract," that:

1. Effective October 9, 1957, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All rights of the Government respecting Certification of Discovery or Development, percentage royalty and liens to secure payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment, are preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, the parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mittenbergs
Administrator, Defense Minerals Exploration Administration

REYNOLDS TUNGSTEN CORPORATION

By Y. C. Roland

Title Vice President

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 19 1957
DATE RECEIVED CODE
800

Audit Copy

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA-3807

AMENDMENT NO. 3

It is agreed this 10th day of July, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Reynolds Tungsten Corporation, that Exploration Project Contract No. Idm-E909 (Docket No. DMEA-3807), dated December 28, 1955, as amended, is further amended, effective June 1, 1957, as follows:

1. In Exhibit "A", under Description of the Work, Stage II is revised to read as follows:

"Crosscutting and drifting with dimensions 5 feet by 7 feet, the directions and amount of such work up to a maximum of 1,425.26 feet to be determined by the Government and approved in advance.

"Underground diamond core drilling in two holes, Nos. 3 and 4, maximum length of each hole 200 feet, total aggregate length not to exceed 400 feet, as indicated on the attached map, titled 'DMEA-3807 (Tungsten) Idm-E909 Prospect Tunnel - Doner Mine, Boulder County, Colo. Scale: 1" = 100', May, 1957.' The holes shall be approximately horizontal and have the following approximate courses: Hole No. 3, N. 30° E., Hole No. 4, due East. Neither hole shall be drilled more than 50 feet beyond the limit of silicified rock, nor within 100 feet of the boundary of the land covered by the contract."

2. In Exhibit "A", under Estimated Costs of Proposed Exploration, Stage II, change the first item from "1,500 feet of crosscutting and drifting @ $29.65/ft. $44,475.00" to "1,425.26 feet of crosscutting and drifting @ $29.65/ft. (rounded) $42,259.00," and add a new item to read "400 feet of core drilling @ $5.54/ft. $2,216.00."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, or the fixed unit cost of any item of work.

Executed in quintuplicate the day and year first above written.

REYNOLDS TUNGSTEN CORPORATION

By L. T. Rickard

Title Vice President

THE UNITED STATES OF AMERICA

By C. O. Mitteudorf
Administrator, Defense Minerals Exploration Administration

Auditor

Draft-7/29/57
SPHolt/esf

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA 3807

Justification for Amendment No. 3

The Operator, by letter of May 3, 1957, requested authorization for drilling three flat diamond drill holes, aggregate length 1150 feet, from an underground station, to replace part of the authorized drifting and crosscutting.

The Field Team noted that veins intersected by DMEA crosscutting on the west, or footwall side of the Hurricane Hill breccia reef were only minor fractures, not likely to contain significant quantities of tungsten. On the east, or hanging wall side of the reef two Stage I diamond drill holes encountered a highly silicified lead-bearing zone at least 450 feet long, probably trending roughly parallel to the Hurricane Hill breccia reef, the eastern margin of which zone has not been adequately explored, and might contain significant tungsten mineralization. The Field Team therefore recommended that the Operator's request to further explore the footwall of the reef by a long (650') drill hole be denied, but that two drill holes, aggregate length 400 feet, be authorized to further explore the hanging wall side of the reef.

This amendment provides for the 400 feet of diamond drilling recommended, and for reduction of the amount authorized for crosscutting and drifting to provide sufficient funds for the drilling without increasing the overall cost of the contract.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE
		800

W.O.

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA 3807
CONTRACT NO. Idm-E909

AMENDMENT NO. 2

It is agreed this 14th day of March, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Reynolds Tungsten Corporation, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E909, Docket No. DMEA 3807, dated December 28, 1955, hereinafter called the "Contract," that:

1. In Exhibit "A", caption "Description of the Work," subheading "Stage I," item "3", the bearing "S. 30° E." is changed to read "S. 40° E."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

REYNOLDS TUNGSTEN CORPORATION

By [signature]

Title V. P.

(SEAL)

UNITED STATES OF AMERICA

By E. M. Hershman
Acting Executive Officer
DMEA Field Team, Region III

IN REPLY REFER TO:
DMEA
DEPARTMENT OF THE INTERIOR

MAR 13 1957
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

March 12, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. H. Harshman EHH
J. F. Shaw JFShaw

From: R. U. King
D. E. Redmon

Subject: Docket DMEA 3807 (Tungsten), Contract Idm-E 909, Reynolds Tungsten Corporation (Doser mine), Boulder County, Colorado. AMENDMENT TO CONTRACT

The operator requested by letter dated March 8, 1957, an amendment to contract Idm-E 909, to allow a change in bearing of Drill Hole 2 - item 3, Stage I - from S. 30° E. to S. 40° E.

Inasmuch as it has been observed, as a result of exploration to date, that the Hurricane Hill reef trends more easterly than shown on the map accompanying the subject contract, it appears advisable to change the bearing of Hole 2 (item 3, Stage I), from S. 30° E. to S. 40° E.

No changes in exploration objectives are contemplated in this proposed amendment; however, a bearing of S. 40° E. will assure that the hole will stay in the clear of the reef and in effect will explore the favorable structure somewhat closer to known ore bodies.

We recommend that the operator's request be approved.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE

R U King
R. U. King, Geologist

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

RUKing:arh

NICHOLAS URANIUM CORPORATION
1630 First National Bank Building
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
MAR 11 1957
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE

March 8, 1957

Mr. R. V. Barshman, Acting Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
Old Post Office
Denver 2, Colorado

Re: Contract No. DMEA 3007
Contract No. [illegible]

Dear Mr. Barshman:

We hereby request an amendment to the above contract.

With regard to Stage I, we request that Nr. 3 be changed to read as follows:

3. Core drill situated 11 miles S. 40° E., 600 feet horizontal (figure 2).

The reason for requesting a change in the bearing of this hole from S. 30° E. to S. 40° E. is because recent geological information, gained from within the tunnel just completed, indicates that a hole drilled S. 30° E. may go back into the Harriman Francis Reef zone rather than parallel the zone. If it goes back into the zone, it will not test the ground containing the productive, uranium bearing veins, which was the original intent of the exploration program.

Also, drilling and core recovery will be a problem.

As the drilling program is about to begin, we will appreciate your consideration of this request at your earliest convenience.

Yours very truly,

NICHOLAS URANIUM CORPORATION

G. C. Ellard

GCE:jk

Audit Copy

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA-3807

AMENDMENT NO. 1

It is agreed this 20th day of March, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Reynolds Tungsten Corporation, that Exploration Project Contract No. Idm-E909 (Docket No. DMEA-3807), dated December 28, 1955, is amended as follows:

1. In Article 3, the period for completion is extended from 15 months to 33 months or from March 31, 1957, to September 28, 1958.

2. In Article 7, the maximum period for royalty payments and liens to secure them is extended from ten (10) years to twelve (12) years from the date of the Contract.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O P Mitchendorf
Administrator, Defense Minerals
Exploration Administration

REYNOLDS TUNGSTEN CORPORATION

By G. C. Ridlon

Title Vice President

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1 1957

DATE	INITIALS	COPY
		800

		CODE
		800

224 New Customhouse
Denver 2, Colorado

February 12, 1957

Mr. G. C. Ridland
Reynolds Tungsten Corporation
822 First National Bank Building
Denver 2, Colorado

Re: Docket No. DMEA 5807 (Tungsten)
Contract No. Idm-2909
Reynolds Tungsten Corporation
(Dexter mine)
Boulder County, Colorado

Dear Mr. Ridland:

In reference to your letter of January 25, 1957 concerning transfer of crosscutting footage and applicable funds from Stage II to Stage I of the Contract, this constitutes Government approval as follows:

> Sufficient crosscutting footage and applicable funds will be transferred from Stage II to Stage I to permit the crosscut under Stage I, Item 1, of the Contract, to be driven to its objective of a point 50 feet in the hanging wall of the Hurricane Hill breccia reef, including excavation for a drill station at the end of the completed crosscut.
>
> Instead of varying the direction of the crosscut from S. 72° E. to N. 60° E. as requested by you, the crosscut is to be continued on a course of approximately S. 72° E.

Nothing in this approval for transfer of footage and funds from Stage II to Stage I shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Very truly yours,

DMEA Field Team, Region III

By W. M. Traver
W. M. Traver
Executive Officer

JWT:prl
cc: Chairman, Op. Comm. (4)
Finance Office, Reg. III
Amendment file, Reg. III
Barshman
Shaw
Townsend
Corres. file
Chron.

IN REPLY REFER TO:
DMEA
DEPARTMENT OF THE INTERIOR
FEB 11 1957
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

February 7, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman
J. F. Shaw

From: Robert U. King
Carl Belser

Subject: Docket DMEA 3807 (Tungsten), Contract Ids-E909, Reynolds Tungsten Corporation, Dower mine, Boulder County, Colorado
Request for amendment

DATE	INITIALS	CODE

The operator of the subject contract applied in a letter dated January 25, 1957, for an amendment to Stage I No. 1 of the contract that would allow 70 feet of additional crosscutting for the purpose of penetrating the Hurricane reef structure prior to excavating a diamond drill station at the face of the crosscut; and that would permit the operator to vary the direction of the crosscut from its present direction to N. 60° E. The operator's estimated cost of the 70 feet of additional crosscut is $2,075.50, which footage if transferred from Stage II exploration would not increase the total cost of Government participation under the existing contract.

Geologic examination of the project February 5, 1957, indicates that the reef was encountered at 770 feet rather than

at 700 feet - the position projected from geologic data on the surface 500 feet distant. The crosscut was 797 feet long on February 6, 1957.

On February 5, 1957, the crosscut had penetrated 34 feet of the reef, that consists of a breccia of silicified granite, with clay gouge seams. A prominent 2"-6" dark gray gouge-filled seam with slickensided walls that strikes N. 30° W. and dips 55° E., marks the footwall of the reef. The wall rock is severely fractured for as much as 5 feet into the footwall.

In his monthly report, the operator indicates that the Hurricane Reef has a true thickness of only 15 feet, and that the present face is in the shattered hangingwall of the reef.

The contract specifies a maximum length of 810 feet including the drill station at the face, and presumes that the station would be 50 feet in the hangingwall of the reef.

Inasmuch as the crosscut is 797 feet long as of date, and the face is in highly shattered ground it is recommended that the operator's request for 70 additional feet of crosscutting be approved - but that the crosscut be continued along its present bearing - S. 72° E.

Robert U. King
Geologist

Carl Belser
Mining Engineer

RUKing:mp

REYNOLDS TUNGSTEN CORPORATION
622 First National Bank Building
Denver 2, Colorado

January 25, 1957

DMEA
DEPARTMENT OF THE INTERIOR
JAN 28 1957
REGION III
DENVER, COLORADO

Mr. W. N. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807
Contract No. Idm-8909

Dear Mr. Traver:

Request for an Amendment to Contract

With regard to Stage I, No. 1, of the above contract, we request that it be amended to read as follows:

"Drive 5 feet by 7 feet crosscut S. 72° E. from present face of Prospect Tunnel 890 feet, including excavation for a diamond drill station at the end of the completed crosscut. The Operator may, at his discretion, vary the direction of the tunnel from S. 72° E. to N. 60° E., 800 feet, or any point beyond 800 feet, from the point of beginning of the crosscut to be driven."

Then the "Estimated Costs of Proposed Exploration, Stage I," will be increased by 70 x $29.65 or $2,075.50. But if the amount of allowable crosscutting and drifting in Stage II is reduced by 70 feet, then the total estimated cost of the program will remain the same, and the above amendment will not increase the total Government participation of $56,467.13.

Reason for the Requested Amendment

The Hurricane reef was cut at a point 770 feet from point of beginning instead of at 700 feet, as shown on Figure 2 of the contract. The drill station was intended to be at a certain distance from the reef so as to be away from the soft, altered rock adjacent to the reef. In order to accomplish this objective, it will now be necessary to extend the tunnel the additional 70 feet.

If the Operator finds the altered zone to be wider than expected, then, in order to remove the drill station from the zone of alteration, he may deem it necessary to change the direction of the tunnel to N. 60° E. (at right angles to the strike of the reef) in order to complete the tunnel in the distance allotted in unaltered country rock suitable for the drill station and drilling program.

The Operator believes it was not the intent of the contracting parties to establish the station and to drill holes through the highly altered, soft, hanging wall of the Hurricane reef zone. Core recovery in such rock would be expected to be extremely low if not impossible.

Yours very truly,

REYNOLDS TUNGSTEN CORPORATION

G. C. Midland

GCM:jd

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

224 New Customhouse
Denver 2, Colorado

February 16, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3807 (Tungsten) Contract Idm-E909, Reynolds Tungsten Corporation, Boner Mine, Boulder County, Colorado - Change of Address

Attached is a copy of a letter from the subject operator whereby he submits a change of address as follows:

Reynolds Tungsten Corporation
822 First National Bank Building
Denver 2, Colorado

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: Corresp. E909)
Sec. Op. Comm. (3))
Shaw)
Harshman) w/copy operator's letter
Cont. Adm. & Audit Div., DMEA)
Townsend)
Chron.

REYNOLDS TUNGSTEN CORPORATION

822 First National Bank Building
Denver 2, Colorado

DMEA
Date Rec'd
FEB 16 1956
BUREAU OF MINES
Denver, Colorado
RECEIVED
FEB 20 1956

February 15, 1956

Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. Idm-E909

Dear Mr. Traver:

Please note that we have moved from Room 1036 to Room 822 in the First National Bank Building. We would appreciate your making this change of address and sending all future correspondence as follows:

Reynolds Tungsten Corporation
822 First National Bank Building
Denver 2, Colorado.

Yours very truly,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

GCR:bh

W.O.

DMEA Form 14

Contract No. Idm-E 909

Docket No. 3807

DEPARTMENT OF THE INTERIOR

Terminated contract

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Obligation Document

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

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
December 28, 1955	III	Colorado	Tungsten

Name and Address of Operator: Reynolds Tungsten Corporation
1036 First National Bank Building
Denver 2, Colorado

	Reserve	Obligation
Prior Amount	0	56,467.13
Increase	0	0
Decrease	0	30,278.04
Revised Amount	0	26,189.09

Remarks:

(Name)
Allen S. Deken, Chief
Operations Control and
Statistics Division
(Title)

Date delivered to Bureau of Mines, Washington 4/28/58

22845

Government's copy

RECEIVED
FEB 16 1956

MF-200A
(Revised June 1954)

REGIONAL DIRECTOR'S OFFICE REGION III
FEB 13 1955
BUREAU OF MINES
DENVER, COLORADO

Docket No. DMEA -3807

Commodity Tungsten

Contract No. Idm-E 909

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this DEC. 28 1955 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Reynolds Tungsten Corporation, a Colorado Corporation,

whose mailing address is 1036 First National Bank Building Denver 2, Colorado,
hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and three sketch maps described in Annex I and Exhibit "A."

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Colorado, County of Boulder, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease and option to purchase, [7] recorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: .....

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien by Cold Spring Tungsten, Inc. is attached.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of tungsten. The work to be performed is described in Exhibit "A." The Operator on or before April 1, 1956, shall commence the work, and on or before March 31, 1957 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $75,289.50 The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $56,467.13: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

REYNOLDS TUNGSTEN CORPORATION
(Operator)

By Douglas J. Luckhurst
Pres.

THE UNITED STATES OF AMERICA

By O. Mitchell
Administrator, Defense Minerals
Exploration Administration

I, Joseph Massaquoi, certify that I am the Secretary secretary of the corporation named as Operator herein; that Douglas J. Luckhurst who signed this contract on behalf of the Operator, was then President of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Joseph Massaquoi

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA-3807

RECEIVED
FEB 16 1956

ANNEX I

The following maps are attached hereto and made part of this contract:

Figure 1 - Location Map, Dozer Mine, Reynolds Corporation, Boulder County, Colo. DMEA-3807

Figure 3 - Map showing the boundary of land referred to in this Annex I, claim boundaries, and names and survey numbers of the patented claims.

The land referred to in Article 2 of the contract consists of:

(a) an irregular tract containing approximately 70 acres, and consisting of the following patented claims and portions of patented claims:

Claim	Survey No.
Dozer	20684
S.W. 1,100 feet Hurricane No. 1	18340
Hurricane No. 2	18340
N.W. 1,050 feet Hurricane No. 3	18340
Hurricane No. 4	18340
S.W. 750 feet Spencer	19949
S.W. 440 feet Bertha	19204
S.W. 440 feet May Raymond	19204
S.W. 440 feet Lost Chance	19204
S.W. 440 feet Only Chance	19204
S.W. 600 feet Gold Medal	19559
S.W. 1,200 feet Silver Light (Except portion in conflict with Forest Home)	19559
Expert (Except portion in conflict with Forest Home)	19559
Hill Top No. 4	19559
Hill Top No. 2	19559
McKeesport	18340
N E 300' Hill Top	19559
N E 200' Topsy	19559

(b) a tract of land described as follows in the lease and option agreement between Hetzer Mines, Inc. and Reynolds Tungsten Corporation dated April 7, 1955:

a rectangular tract of land 1500 feet long and 600 feet wide, being 300 feet in width on each side of the following described center line: beginning at the center line of the portal of the Prospect Tunnel, which portal is situated on the Ash Pan Lode Mining Claim, Survey Lot No. 18,340, and running thence along the course of the center line of said Prospect Tunnel extended northwesterly for a distance of 300 feet to the true point of beginning of said center line, thence running southeasterly along the course of the center line of said Prospect Tunnel for a distance of 1500 feet, which point is the terminal end of said center line; including rail, air line, water line and ventilation line now installed in said Prospect Tunnel; but not including in the demised premises any part of the Luck Bill Lode Mining Claim, U. S. Survey Lot No. 19,952, or any part of the Slide, Gale, Red Spruce, Red Pine, Occidental, Gulch, Clyde or Lone Jack Lode Mining Claims, all U. S. Survey Lot No. 18,340 (except that the Lessee shall have a right of way through said Prospect Tunnel across such of said claims as said Tunnel now traverses). Those portions, if any, of any other Lode Mining Claims owned by the Lessor (except the nine claims described immediately above) which conflict with the demised premises shall be included therein. The rights and premises hereby granted are limited to within the vertical planes of the surface boundary lines of the above described premises, and all extra lateral rights, if any, are reserved to the Lessor, and the Lessee shall have no right to extend his workings beyond such vertical planes.

The property lies mainly in the N.½ sec. 7, T. 1 S., R. 72 W., 6th Principal Meridian, Boulder County, Colorado; and is about 3½ miles north of Nederland, Colorado, as shown on the attached map, Figure I.

EXPLORATION PROJECT CONTRACT
REYNOLDS TUNGSTEN CORPORATION
DOCKET NO. DMEA-3807

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EXHIBIT "A"

Description of the Work

The following map is attached hereto and made part of this contract:

Figure 2. - Composite Geologic Map of Hurricane Hill and Plan of Prospect Tunnel showing recommended exploration, Dozer Mine, Boulder County, Colorado.

The Operator shall perform the work described below under Stage I, and shall perform as much of the work in Stage II as the Government shall hereafter approve in advance in writing:

Stage I

1. Drive 5 feet by 7 feet crosscut S. 72° E. from present face of Prospect Tunnel 810 feet, including excavation for a diamond drill station at the end of the completed crosscut.

2. Core drill minimum AX size N. 30° W., 600 feet horizontal.

3. Core drill minimum AX size S. 30° E., 600 feet horizontal (Figure 2).

The 810-foot crosscut will explore the ground in the footwall of the Hurricane Hill breccia reef zone for a distance of about 700 feet beyond the present face of the Prospect Tunnel and is expected to penetrate and continue through the reef zone for approximately 50 feet. The two horizontal drill holes will explore for projections of known veins in the hanging wall of the reef and are expected to reach 50 feet beyond the projected positions of the known veins.

Stage II

Crosscutting and drifting with dimensions 5 feet by 7 feet, the directions and amount of such crosscutting and drifting, up to a maximum of 1,500 feet, to be determined by the Government and approved in writing in advance of work under this Stage II.

Estimated Costs of Proposed Exploration

Stage I

810	feet of crosscutting @ $29.65/ft.	$24,016.50
1,200	feet of core drilling @ $5.54/ft.	6,648.00
10	chemical assays @ $5.00 each	50.00
	Total Stage I	$30,714.50

Stage II

1,500	feet of crosscutting and drifting @ $29.65/ft.	$44,475.00
20	chemical assays @ $5.00 each	100.00
	Total Stage II	$44,575.00
	Total Stage I and Stage II	$75,289.50
	Government Participation @ 75%	$56,467.13

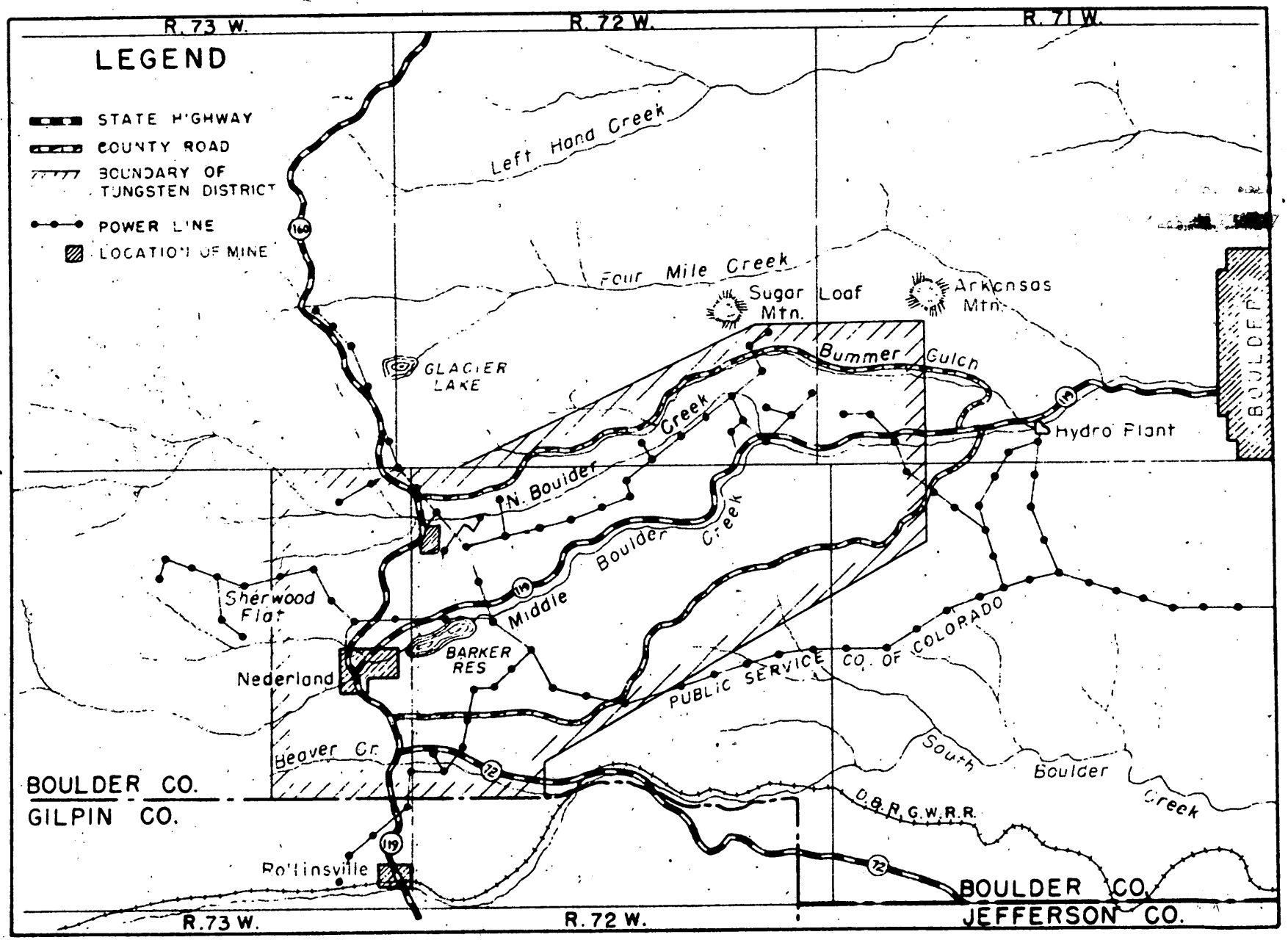
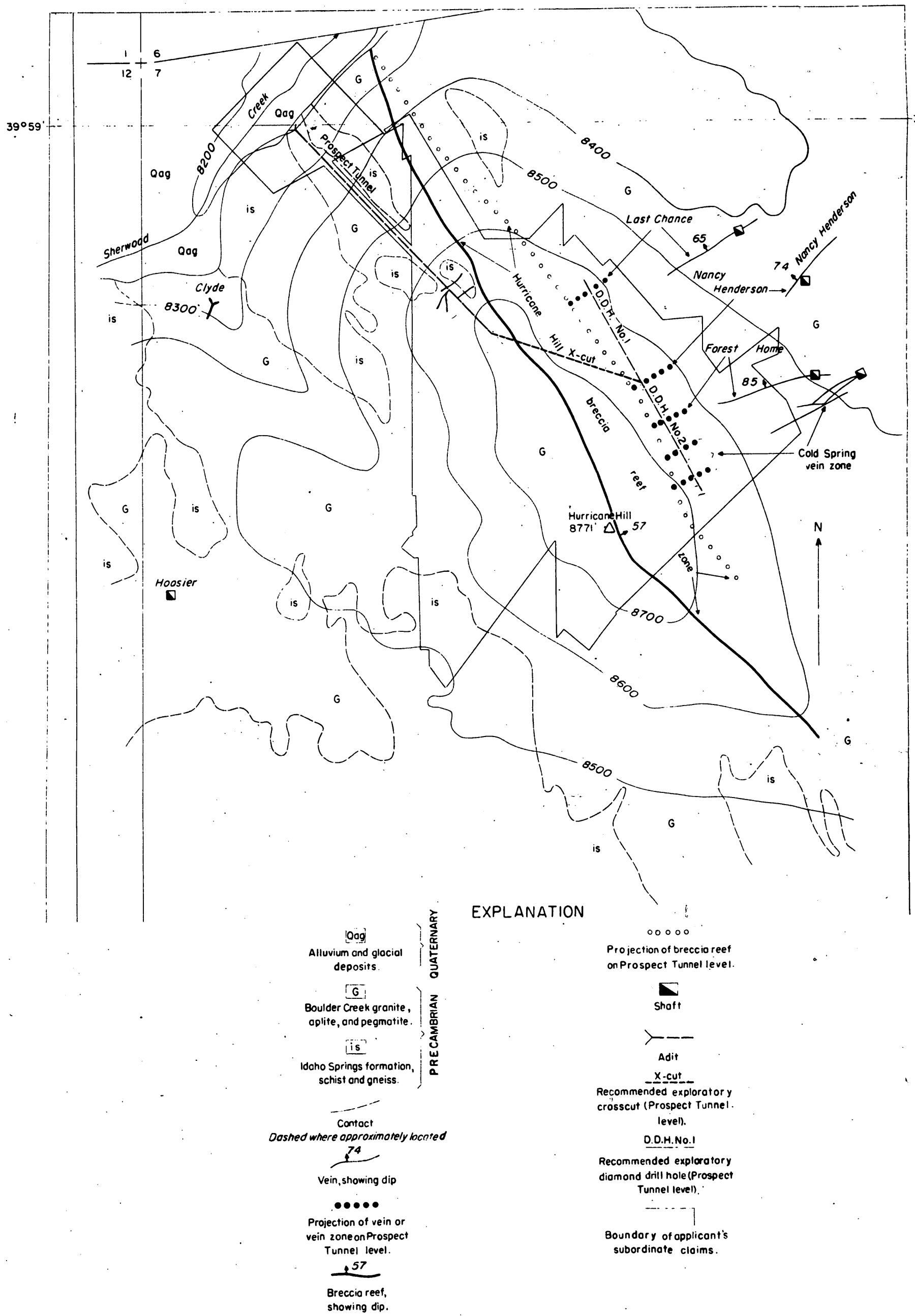


FIGURE I. - LOCATION MAP, DOZER MINE, REYNOLDS TUNGSTEN CORPORATION, BOULDER COUNTY, COLO. DMEA 3807



Modified from Plate 5, U.S. Geological Survey Boulder County Tungsten Report, Professional Paper 245.

R. U. King, Sept. 1955

FIGURE 2.- COMPOSITE GEOLOGIC MAP OF HURRICANE HILL AND PLAN OF PROSPECT TUNNEL SHOWING RECOMMENDED EXPLORATION, DOZER MINE, BOULDER COUNTY, COLORADO

500 0 500 Feet

Datum is mean sea level

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Reynolds Tungsten Corp.
Docket No. DMEA- 3807
Contract No. Idm-E
Contract Date

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CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Boulder, State of Colorado, described as follows:1/

Certain patented lode mining claims listed and further described in Annex I which is attached hereto and made a part hereof.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 30th day of December, 195 5.

COLD SPRING TUNGSTEN, INC. [Seal]

By: [signature] [Seal]

Alexander Pregel [Seal]

I, Paul J. Newlon certify that I am the Secretary (Secretary, etc.) of the corporation named herein; that Alexander Pregel who signed this agreement was then Vice-President (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

[signature]

[Corporate Seal]

ANNEX I

Name of Claim	U. S. Survey Lot No.
Dozer	20,684
S W 1100' Hurricane No. 1	18,340
Hurricane No. 2	18,340
N W 1050' Hurricane No. 3	18,340
Hurricane No. 4	18,340
S W 750' Spencer	19,949
S W 440' Bertha	19,204
S W 440' May Raymond	19,204
S W 440' Last Chance	19,204
S W 440' Only Chance	19,204
S W 600' Gold Medal	19,559
S W 1200' Silver Light - except that portion conflicting with the Forest Home	19,559
Expert - except that portion conflicting with the Forest Home	19,559
Hill Top No. 4	19,559
Hill Top No. 2	19,559
McKeesport	18,340
N E 300' Hill Top	19,559
N E 200' Topsy	19,559

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and the surface rights to a rectangular tract of land 1500 feet long and 600 feet wide, being 300 feet in width on each side of the following described center line: beginning at the center line of the portal of the Prospect Tunnel, which portal is situated on the Ash Pan Lode Mining Claim, Survey Lot No. 18,340, and running thence along the course of the center line of said Prospect Tunnel extended northwesterly for a distance of 300 feet to the true point of beginning of said center line, thence running southeasterly along the course of the center line of said Prospect Tunnel for a distance of 1500 feet, which point is the terminal end of said center line; including rail, air line, water line and ventilation line now installed in said Prospect Tunnel; but not including in the demised premises any part of the Luck Bill Lode Mining Claim, U. S. Survey Lot No. 19,952, or any part of the Slide, Gale, Red Spruce, Red Pine, Occidental, Gulch, Clyde or Lone Jack Lode Mining Claims, all U. S. Survey Lot No. 18,340 (except that the Lessee shall have a right of way through said Prospect Tunnel across such of said claims as said Tunnel now traverses.) Those portions, if any, of any other Lode Mining Claims owned by the Lessor (except the nine claims described immediately above) which conflict with the demised premises shall be included therein.

REYNOLDS TUNGSTEN CORPORATION
822 First National Bank Building
Denver 2, Colorado

February 10, 1956

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Mr. W. M. Traver, Executive Officer
Defense Minerals Exploration Administration
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3807 (Tungsten)
Contract No. I4m-E909

Dear Mr. Traver:

We wish to thank you for the contract. All five copies have been executed and are enclosed.

Due to weather and other conditions we propose to begin the program on April 1, 1956 and trust this will be satisfactory with you.

Yours very truly,

REYNOLDS TUNGSTEN CORPORATION

G. C. Ridland

GCR:bh

Encl.

Docket No. 3807

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

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

Contract No. Idm-E 909

Date of Contract ~~OR AMENDMENT~~: December 28, 1955

Name and Address of Operator:

Reynolds Tungsten Corporation
1036 First National Bank Building
Denver 2, Colorado

Amount of Government participation $ 56,467.13

Percent of Government participation 75 %

Region: III State: Colorado

C. E. Fisher
(Name)

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

Date Delivered to Bureau of Mines, Washington. 12/28/55

54458

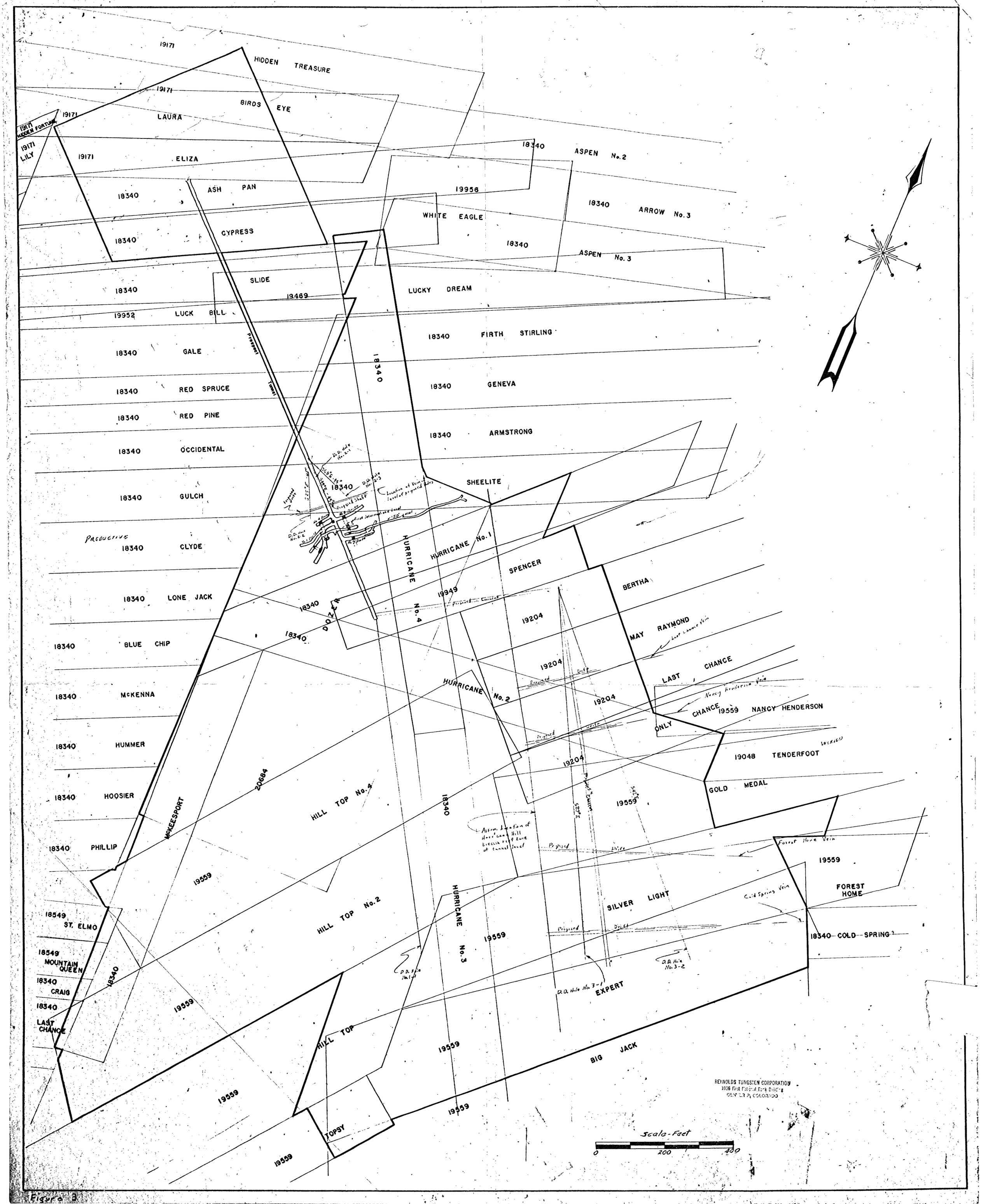
19171
HIDDEN TREASURE
19171
BIRDS EYE
19171
LAURA
19171
HIDDEN FORTUNE
19171
LILY
19171
ELIZA
18340
ASPEN No. 2
18340
ASH PAN
19956
18340
ARROW No. 3
WHITE EAGLE
18340
CYPRESS
18340
ASPEN No. 3
18340
SLIDE
19469
LUCKY DREAM
19952
LUCK BILL
18340
FIRTH STIRLING
18340
GALE
Prospect Tunnel
18340
18340
GENEVA
18340
RED SPRUCE
18340
RED PINE
18340
ARMSTRONG
18340
OCCIDENTAL
SHEELITE
18340
GULCH
PRODUCTIVE
18340
CLYDE
HURRICANE No. 1
SPENCER
HURRICANE No. 4
19949
18340
LONE JACK
18340
DOVER
BERTHA
19204
18340
BLUE CHIP
MAY RAYMOND
Last Chance Vein
19204
LAST CHANCE
18340
McKENNA
HURRICANE No. 2
19204
Nancy Henderson Vein
CHANCE
19559
NANCY HENDERSON
ONLY
18340
HUMMER
19048
TENDERFOOT
19204
20684
GOLD MEDAL
18340
HOOSIER
McKEESPORT
HILL TOP No. 4
18340
19559
Approx. Location of Hurricane Hill breccia reef zone at tunnel level
18340
PHILLIP
Forest Home Vein
19559
19559
FOREST HOME
HILL TOP No. 2
HURRICANE No. 3
SILVER LIGHT
Cold Spring Vein
18549
ST. ELMO
19559
18340 COLD SPRING?
18549
MOUNTAIN QUEEN
18340
D.D. Hole No. 3-2
18340
CRAIG
D.D. Hole No. 3-1
EXPERT
19559
18340
LAST CHANCE
HILL TOP
19559
BIG JACK
19559
19559
TOPSY
19559
REYNOLDS TUNGSTEN CORPORATION
1036 First National Bank Building
DENVER 2, COLORADO
Scale-Feet
0
200
400

Figure 3