QUINTUPLICATE

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

LETTER OF TRANSMITTAL

Portland, Oregon

DEPOSIT NO.
14-23-080-311

For credit of 420, Division of Disbursement, Portland, Oregon (Name, title, and disbursing or other identification symbol of accountable officer) 523 U.S. Court House (Date sent) 7/18/96

deposited with Federal Reserve Bank of San Francisco, Portland Branch (Name and location of depositary) Portland, Oregon

$ 990.93

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401	E-173	$990.93

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

Defense Minerals Exploration Administration
c/o Bureau of Mines
P. O. Box 492
Albany, Oregon

TO ABOVE-NAMED BANK OR TO TREASURER U. S.:

Herewith you will receive the deposit described above. Please observe the distribution printed on each accompanying copy of Standard Form 201.

(Depositor)

Myrtle I. Purdy, Authorized Collecto

DEPOSITARY WILL RETAIN THIS COPY

16—59686d-1 GPO

Check No. 9187
Dated 4/12/56
Amount - $979.56
From: Bradley Mining Co.
Contract E173, Bradley Mining Co.
Property proceeds

Check No. 57446
Dated 4/12/56
Amount - $11.37
From: International Smelting and Refining Co.
Contract E177, South Mountain Mining Co.
Royalty receipt

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

Mr. Charles A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

FEB - 6 1956

Re: Idm-2173, DMEA-1284X
and
Idm-2427, DMEA-2635
Bradley Mining Company

Dear Charlie:

In your Monthly Work Load Report for January 1956, a final audit is indicated as contemplated during February 1956, for contract Idm-2173.

The need for a final audit is not understood. According to this Division's records, all costs claimed subsequent to the period covered by an Interim Audit Certificate (issued by Mr. Hall on November 5, 1953) were under "agreed unit costs" provisions of the amended contract and Amendment No. 1 thereto. Therefore, it appears that a Report of Review, in lieu of a final audit, would suffice if justified by reasons similar to the following:

(a) the accepted costs ($97,324.19) of all work on an actual cost basis were covered by an Interim Audit Report and Certificate, dated November 5, 1953, issued by Robert N. Hall, DMEA Auditor; and
(b) the balance of the costs incurred were under a contract provision for payment by the Government on the basis of agreed unit costs for work actually performed.

With regard to contract Idm-2427 it is noted that you have neither programmed an interim audit nor furnished any information as to your plans for an audit, even though by copy of a letter addressed to Mr. Harvor under date of October 4, 1955, you were "requested to program this second interim audit at the first convenient opportunity."

Please advise me in regard to your audit plans on these two contracts.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

EDTalbert/wb 2-6-56

Copy to: Docket (2)
Admr. Reading File
Mr. Chambers

Yorkshire E 173

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APR 9 - 1958

Nov 1955 Mf 104 after audit adjustments - 75% -		
May 1955 Mf 104 - 75% -	1247.67	
June 1955 Mf 104 - 75% -	1241.60	2489.27
		[illegible]
Previous payments over		[illegible]
Due from operator.		979.56

Paid operator prior to audit	136,192.35
Total payment approved by audit	135,212.79
Due from operator	979.56

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
APR 9 - 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 185 ft.	925.00	21,560.00	22,485.00	925.00	21560.00	22485.00
Bulldozing						
Crosscutting		6,686.76	6,686.76		6492.00	6492.00
Drifting		51,741.24	51,741.24		51741.24	51741.24
Raising		6,329.70	6,329.70		6199.86	6199.86
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25		28214.25	28214.25
Supervision		5,915.91	5,915.91		5915.91	5915.91
Technical Services		3,600.00	3,600.00		3600.00	3600.00
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78		5345.78	5345.78
Explosives		6,735.40	6,735.40		6735.40	6735.40
Pipe		3,737.39	3,737.39		3737.39	3737.39
Track		2,521.34	2,521.34		2521.34	2521.34
Other		8,416.35	8,416.35		8416.35	8416.35
Power		791.36	791.36		791.36	791.36
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00		9558.00	9558.00
Depreciation		6,720.00	6,720.00		6720.00	6720.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5576.76	5576.76
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26		5384.26	5384.26
Sampling and Analysis		2,507.25	2,507.25		2507.25	2507.25
Payroll Taxes		932.60	932.60		932.60	932.60
Liability Insurance		2,552.75	2,552.75		2552.75	2552.75
Ventilation		406.29	406.29		406.29	406.29
(8) Contingencies (specify): Equipment Rebuilds				559.17		559.17
TOTALS	925.00	185,233.39	186,158.39	[illegible]	184908.79	180283.72

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

Date 12/27/55 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

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

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

(Instructions on reverse)

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

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 173 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date 4/3/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Exec. Officer Date 4/4/56

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 mon[illegible] 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
APR 9 - 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 5 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'			51,741.24	1594	32.46		
Crosscutting Unit Cost	1'			6,686.76	206	32.46	2300	32.46
Raising Unit Cost	1'			6,329.70	195	32.46		
Drifting, actual	1'			37,644.24	1363	27.62		
XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'	925.00	185	22,485.00	4497	5.00	4500	5.00
Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		925.00		168,110.09				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
Total Costs		925.00		186,158.39				203,836.00

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

Date 12/27/55 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

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)

151 John D Bardill

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

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR-

December 12, 1955

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APR 9 - 1956

DMEA Progress Report for November, 1955

Contract Idm-E 173

The final work to be done under DMEA contract Idm-E 173 was completed in November. Of the work authorized by the contract, all but 293 feet of drifting and raising and 3 feet of diamond drilling was completed.

Progress - Diamond Drilling

Two diamond drill holes were drilled southwest from the face of 1-Raise above the B level. The total footage was 185.

Hole No. DMA-26 was drilled southwest at an inclination of plus 30°. The length of the hole was 48 feet.

Hole No. DMA-27 was drilled slightly west of south at an inclination of plus 40°. The length of the hole was 137 feet.

Thirteen and one-half shifts were required to drill the holes. Average advance was 13.7 feet per machine-shift, including moving-in and moving-out time.

The logs of both holes are enclosed.

Results - Diamond Drilling

The two holes were drilled to test the mineralized zone above and south of where it was opened up on the B level. As has generally been the case in this area, antimony values proved to be disappointingly low, but fair gold mineralization was encountered.

Hole DMA-26 cut the ore zone at 40 to 48 feet. At 48 feet the lamprophyre dike was entered. Gold averaged 0.238 oz/ton for this last eight feet. This hole cut the ore zone about 100 feet above the B level.

The results of hole DMA-27 are subject to some question, as excessive amounts of sludge were recovered from the final 75 feet of the hole. Any areas of good mineralization may therefore have been masked by caving from leaner parts of the hole. Unfortunately, core recovery was extremely poor, so it is impossible to check sludge assays against core assays. The

hole was stopped short of the lamprophyre dike due to the caving condition of the ground. The highest gold assay was 0.105 oz/ton from 125 to 130 feet. Traces of scheelite were found in the sludges from the final 27 feet of the hole.

The end of hole DMA-27 was 165 feet above the B level.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

COORDINATES 21,331.8 N
19,691.7 E

ELEVATION 6,826.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-26

BEARING S 51° W

INCLINATION Plus 30°

Page 1

Footage	Mineralogy	% Core Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite, minor sulfides	30				AX
5 - 10	" " " "	35	Nil	.005	.09	EX
10 - 15	" " " "	40	"	.010	.06	"
15 - 20	" " " "	10	"	.010	.08	"
20 - 25	" " " "	10	"	.025	.04	"
25 - 30	" " " "	5	"	.005	.05	"
30 - 35	" " " "	25	"	.030	.04	"
35 - 40	" " " "	20	"	.020	.04	"
40 - 45	Recemented altered granite breccia. Fine-grained sulfides	15	"	.260	.13	"
45 - 48	Recemented altered granite breccia. Fine-grained sulfides	8	"	.200	.09	"

Lamprophyre dike at 48 feet.

End of Hole at 48 feet.

Note: All assays are sludge assays.
Nil values of WO3 determined by lamping.
All core and sludges lamped.

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APR 6 - 1960

DIAMOND DRILL HOLE NO. DMA-26

Driller's Notes

Date Start: 11/11/55
Finish: 11/18/55

Driller: Manning
Helper: Longacre

Footage	Remarks
0 - 5	Altered granite and gouge. No sludge recovered.
5 - 15	Altered granite and gouge. Grey sludge
15 - 30	Altered granite and gouge. Milky grey sludge
30 - 40	Altered granite, soft and broken
40 - 43	Altered granite. Grey sludge
43 - 48	Altered granite. Very soft, lots of sludge. Dike at 47½ feet. Blueish grey sludge to 46 feet, milky from 46 to 48 feet.
	End of Hole.

COORDINATES 21,333.2 N
19,697.0 E
ELEVATION 6,825.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-27

BEARING S 11° W
INCLINATION Plus 40°
Page 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite, chlorite	25				
5 - 10	Altered granite, breccia. Fine-grained sulfides	15	Nil	.015	.09	AX
10 - 15	" " " " " "	20	"	.010	.13	EX
15 - 20	" " " " " "	8	"	.010	.09	"
20 - 25	" " some fresh granite	8	"	.005	.07	"
25 - 30	" "	15	"	.010	.08	"
30 - 35	" "	3	"	.005	.10	"
35 - 40	Mixed altered and fresh granite	4	"	Tr	.08	"
40 - 45	" " " " "	15	"	.005	.09	"
45 - 50	Altered granite	30	"	.030	.06	"
50 - 55	" "	50	"	.005	.09	"
55 - 60	Altered granite to 58 ft. Granite breccia with fine-grained sulfides 58 to 60 ft.	50	Tr	.065	.14	"
60 - 65	Brecciated granite with fine-grained sulfides	3	Nil	.115	.15	"
65 - 70	Altered granite, some brecciation. Fine-grained sulfides	20	"	.040	.15	"
70 - 75	Altered granite. Fine-grained sulfides	25	"	.050	.13	"
75 - 80	" " " " "	35	"	.060	.17	"
80 - 85	" " " " "	10	"	.075	.10	"
85 - 90	Brecciated altered granite. Gouge	3	"	.030	.02	"
90 - 95	Altered granite	10	"	.045	.25	"
95 -100	Altered granite, some brecciation. Fine-grained sulf.	40	"	.055	.24	"
100-105	" " " " " " "	3	"	.045	.09	"
105-110	" " " " " " "	8	"	.045	.14	"
110-115	" " " " " " "	5	Tr	.050	.12	"
115-120	" " " " " " "	5	Tr	.025	.10	"
120-125	" " " " " " "	3	Tr	.035	.09	"
125-130	" " " " " " "	10	Tr	.105	.07	"
130-135	" " " " " " "	18	Tr	.090	.05	"
135-137	" " " " " " "	20	Tr	.045	.04	"

End of hole at 137 feet.

Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

DIAMOND DRILL HOLE NO. DMA-27

Driller's Notes

Date Start: 11/19/55
Finish: 11/23/55

Driller: Manning
Helper: Longacre

Footage	Remarks
0 - 5	Aplite and gouge. No sludge recovered
5 - 10	Altered granite, very soft. Milky grey sludge
10 - 20	Altered granite, very soft. Grey sludge
20 - 25	Altered and fresh granite, very soft. Milky sludge
25 - 30	Slightly altered, very soft. Milky sludge
30 - 35	Aplite and gouge, very soft. Milky sludge
35 - 40	Aplite, fresh granite and gouge. Milky sludge
40 - 50	Slightly altered, very soft. Milky sludge
50 - 55	Altered granite, medium hard. Milky sludge
55 - 60	Altered granite, medium hard. Heavy sulfides. Blue sludge
60 - 70	Heavy sulfides and gouge, very soft. Blue sludge
70 - 75	Heavy sulfides and gouge, very soft. Blue-grey sludge
75 - 85	Sulfides and gouge, very soft. Milky-grey sludge
85 - 90	Sulfides and gouge, very soft. Grey sludge
90 - 95	Sulfides, very soft. Blue and grey sludge
95 -100	Sulfides, medium soft. Grey to milky grey sludge
100-105	Sulfides, very soft. Milky grey sludge
105-110	Altered granite, soft. Milky grey sludge
110-120	Altered granite, very soft. Thick grey sludge
120-125	Gouge or talc. Very thick, grey sludge
125-137	Altered granite and gouge. Very thick, grey sludge
	End of hole.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
APR 9 - 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1955 Docket No. DMEA 1284X Contract No. Idm-E-173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		21,560.00	21,560.00			
Bulldozing						
Crosscutting		6,686.76	6,686.76			
Drifting		51,741.24	51,741.24			
Raising 51 ft.	1655.46	4,674.24	6,329.70			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis		2,507.25	2,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	1655.46	183,577.93	185,233.39	1655.46	183,253.33	184,908.79

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

Date 2/14/55 *Payee Bradley Mining Co.

Per G. Walton Title Assistant Secretary

*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:
124160

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6173 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date July 18-1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Exec officer Date 4/4/56

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
APR 9 - 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'			51,741.24	1594	32.46)		
Crosscutting Unit Cost	1'			6,686.76	206	32.46)	2300	32.46
Raising Unit Cost	1'	1655.46	51	6,329.70	195	32.46)		
~~Shafts~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Winzes~~ Cutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			21,560.00	4312	5.00	4500	5.00
~~Core~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1655.46		167,185.09				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
Total Costs		1655.46		185,233.39				203,836.00

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

Date 2/14/55 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

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)

151 John D Bardill

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

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR

RECEIVED
APR 9 - 1957

July 3, 1955

DMEA Progress Report for June, 1955

Contract Idm-E 173

Progress - Raising

The driving of 1-Raise from the B level was continued in June. Total advance was 51 feet, all in the raise. The face of the raise was at 91 feet at the end of the month.

Caving ground made it necessary to work only one shift per day and blast very short rounds. Thirteen raise rounds were blasted, resulting in an average advance of 3.9 feet per round. Seventy-six sets of cribbing were installed in the raise.

The underground crew worked twenty-six days on a single shift per day basis. The crew averaged slightly over three men per day. As surveying of the raise will not be done until after its completion, no maps are included with this report.

Work on the project will now be recessed until next fall. Raising and drifting remaining to be done: 293 feet. Diamond drilling remaining: 188 feet.

Progress - Diamond Drilling

None in June.

Results - Raising

The raise continued in partially altered granite. The east side of the raise was generally in quite fresh granite, while the west side was generally in rather completely altered granite. Metal values were very low: gold averaged 0.024 oz/ton and antimony averaged 0.06%.

The raise is probably east and perhaps north of the ore zone on the projected C level. A short crosscut west to the lamprophyre dike from the top of the raise should locate the ore zone.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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

Budget Bureau No. 42-R1036.5

RECEIVED
APR 9 - 1956

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

Month of May, 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 99 ft.	495.00	21,065.00	21,560.00	495.00	21065.00	21560.00
Bulldozing						
Crosscutting 6 ft.	194.76	6,492.00	6,686.76		6492.00	
Drifting		51,741.24	51,741.24		51741.24	51741.24
Raising 40 ft.	1298.40	3,375.84	4,674.24	1162.56	3375.84	4544.40
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25		28214.25	28214.25
Supervision		5,915.91	5,915.91		5915.91	5915.91
Technical Services		3,600.00	3,600.00		3600.00	3600.00
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78		5345.78	5345.78
Explosives		6,735.40	6,735.40		6735.40	6735.40
Pipe		3,737.39	3,737.39		3737.39	3737.39
Track		2,521.34	2,521.34		2521.34	2521.34
Other		8,416.35	8,416.35		8416.35	8416.35
Power		791.36	791.36		791.36	791.36
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00		9558.00	9558.00
Depreciation		6,720.00	6,720.00		6720.00	6720.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5576.76	5576.76
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26		5384.26	5384.26
Sampling and Analysis		2,507.25	2,507.25		2507.25	2507.25
Payroll Taxes		932.60	932.60		932.60	932.60
Liability Insurance		2,552.75	2,552.75		2552.75	2552.75
Ventilation		406.29	406.29		406.29	406.29
(8) Contingencies (specify):						
TOTALS	1,988.16	181,589.77	183,577.93	1662.56	181589.77	183253.33

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

Date 6/20/55 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:
124762

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E173 in accordance with the terms of the contract.

Signature /S/ John D Bardill Title Metallurgist Date 6-27-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6-27-55

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".

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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
APR 9 - 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'			51,741.24	1594	32.46)	2300	32.46
Crosscutting Unit Cost	1'	194.76	6	6,686.76	206	32.46)		
Raising Unit Cost	1'	1,298.40	40	4,674.24	134 144	32.46)		
~~Shafts~~ Drifting, actual	1'	973.80	30	37,644.24	1363	27.62		
~~Winzes~~ XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'	495.00	99	21,560.00	4312	5.00	4500	5.00
~~Chuck~~ ~~XXXX~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		~~1,988.16~~ 1663.56		165,529.63				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
~~Assaying, Ventilation~~				2,913.54				
Total Costs		~~1,988.16~~ 1663.56		~~183,577.93~~ 183253.33				~~203,836.00~~

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

Date 6/20/55 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

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)

151 John D Burdell

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

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR

June 13, 1955

DMEA Progress Report for May, 1955

Contract Idm-E 173

Progress - Crosscutting and Raising

Driving of 1-Raise was resumed in May. The raise is being driven south at an inclination of 50° to establish a C level some 100 feet above the present B. level.

Total advance in May was 46 feet. Work started on the 3rd of the month on a station on the B level from which to drive the extension of 1-Raise. Crosscutting in the amount of 6 feet is claimed for this work in the accompanying voucher. On May 11th the raising began, but extremely dangerous ground held progress to a minimum. At the end of the month the raise was up only 40 feet. Short rounds were drilled and explosives were used as sparingly as possible, but nevertheless nearly every round overbroke. Rock falls from the hanging wall of the raise were a constant source of danger.

Ten raise rounds were blasted, resulting in an average advance of 4.0 feet per round. Two drift sets were installed in 1 Drift-South on the B level, two sets were installed in the raise station, one square set was placed at the bottom of the raise, and 56 crib sets were installed in the raise.

The underground crew worked twenty-two days on a two-shift per day basis. Near the end of the month the work was placed on a single shift basis, largely because the dangerous nature of the ground made it advisable to maintain closer supervision than is possible on a two-shift basis. Three days were worked on a single shift basis. The crew averaged 5½ men per day.

Progress - Diamond Drilling

One short diamond drill hole (No. DMA-25) was drilled east from near the face of 1 Drift-South on the B level. It was a flat hole drilled a distance of 99 feet. The log of the hole is enclosed.

Six shifts were required to drill the hole. Average advance was 16.5 feet per machine-shift, including moving and setting-up time.

Results - Crosscutting and Raising

The raise station and raise were in partially altered granite carrying but small amounts of sulfides. Metal values were low, averaging 0.068 oz/ton gold and 0.08% antimony.

At 40 feet in the raise a rather strong series of shears or faults was entered; the shears strike west and dip about 25° to the north.

Results - Diamond Drilling

Diamond Drill hole DMA-25 was drilled in granite that was in general fresh. Only short stretches of altered and mineralized granite were encountered. Values averaged 0.037 oz/ton gold and 0.07% Sb. No tungsten was found.

The results of this hole, together with the results of 1 Drift-South, indicate beyond any reasonable doubt that the south end of the ore zone on the B level has been found.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

COORDINATES 21,249.8 N

19,669.3 E

ELEVATION 6,754.2

YELLOW PINE MINE
Stibnite, Idaho

Diamond Drill Hole No. DMA-25

BEARING N 84° 40' E

INCLINATION Plus 2°

Footage	Mineralogy	% Core Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Generally altered granite; patches of fresh granite	60				BX
5- 10	Fresh and partially altered granite	10	Nil	.025	.02	AX
10 - 15	" " " " "	5	"	.025	.08	"
15 - 20	" " " " "	8	"	.020	.08	"
20 - 25	Aplite	10	"	.015	.06	"
25 - 30	Essentially fresh granite - minor alteration	15	"	.010	.05	"
30 - 35	" " " " "	10	"	.005	.06	"
35 - 40	" " " " "	5	"	.010	.05	"
40 - 45	No core recovery	0	"	.060	.13	"
45 - 50	Altered granite	8	"	.060	.05	"
50 - 55	Generally altered granite; patches of fresh granite	35	"	.070	.09	"
55- 60	Fresh granite	30	"	.030	.08	"
60 - 65	" "	60	"	.055	.06	"
65 - 70	" "	60	"	.060	.05	"
70 - 75	" "	30	"	.055	.07	"
75 - 80	" "	75	"	.060	.05	"
80 - 85	" "	60	"	.035	.05	"
85 - 90	" " , some aplite	20	"	.040	.07	"
90 - 95	Fresh granite to 93'; altered aplite 93 to 95'	30	"	.035	.09	"
95 - 99	Altered aplite to 97'; fresh granite 97 to 99'	75	"	.030	.07	"

End of hole at 99 feet.

Note: All assays are sludge assays.
Nil values of WO_3 determined by lamping.
All core and sludges lamped.

RECEIVED
APR 9 - 1985

DIAMOND DRILL HOLE NO. DMA-25

Driller's Notes

Date Start: 5/4/55
Finish: 5/9/55

Driller: Manning
Helper: Barkell

Footage	Remarks
0 - 5	Slightly altered granite; soft. No sludge.
5 - 20	Fresh granite and gouge. Milky sludge.
20 - 25	Quartz and gouge. Milky sludge.
25 - 40	Fresh granite and gouge. Milky sludge.
40 - 45	Very soft. Grey sludge.
45 - 54	Altered granite with gouge. Grey sludge.
54 - 61	Fresh granite; harder. Milky sludge.
61 - 88	Fresh granite. Hard and broken. Milky sludge.
88 - 92	Fresh granite. Milky sludge.
92 - 95	Fresh and altered granite. Milky sludge.
95 - 97	Slightly altered granite. Milky sludge.
97 - 99	Slightly altered to fresh granite. Milky sludge.

End of hole

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 24 1955

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

Month of April, 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75% Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		21,065.00	21,065.00			
Bulldozing						
Crosscutting 6 ft.	194.76	6,297.24	6,492.00			
Drifting 77 ft.	2,499.42	49,241.82	51,741.24			
Raising		3,375.84	3,375.84			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis		2,507.25	2,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	2,694.18	178,895.59	181,589.77	2694.18	178895.59	181589.77

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

Date 5/31/55 *Payee Bradley Mining Co.

Per G Weston Title Assistant Secretary

*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:
2020 63

$ 2020 63

Signature M. A. P.
(Authorized Certifying Officer)

Date 6-20-55 Vou. No. 1534
(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. E173 in accordance with the terms of the contract.

Signature /S/ John D Bardill Title Metallurgist Date 6-2-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6-2-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUN 14 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1'	2,499.42	77	51,741.24	1594	32.46	2300	32.46
Crosscutting Unit Cost	1'	194.76	6	6,492.00	200	32.46		
Raising Unit Cost	1'			3,375.84	104	32.46		
~~Shafts~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Winzes~~ XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			21,065.00	4213	5.00	4500	5.00
~~XXXXX~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,694.18		163,541.47				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
TOTAL COSTS		2,694.18		181,589.77				203,836.00

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

Date 5/31/55 Operator Bradley Mining Co.

Per G C Orton Title Assistant Secretary

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)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 83-38475

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR

May 17, 1955

DMEA Progress Report for April, 1955

Contract Idm-E 173

Progress - Crosscutting and Drifting

Total advance in April was 83 feet: 77 feet in B level 1 Drift-South and 6 feet in a diamond drill station near the end of 1 Drift-South. The face of 1 Drift-South was at 182 feet at the end of the month. No further drifting on the B level is planned at the present time.

Fourteen sets of drift timber were installed. Sixteen rounds were blasted, resulting in an average advance of 5.19 feet per round.

The underground crew worked twenty-three days on a two-shift per day basis and four days on a single shift basis. The crew averaged 5½ men per day.

Progress - Diamond Drilling

None in April.

Results - Crosscutting and Drifting

The ore zone on the B level continued to 115 feet in 1 Drift-South. Beyond 115 feet the granite was less intensely altered and values gradually declined. Beyond 135 feet values were generally very poor. The ore zone is about 137 feet long on the B level and averages 0.279 oz/ton gold and 0.55% antimony. It probably averages 15 to 20 feet in width.

$9.00 Au!

Raising to establish a C level above the present B level will begin in May.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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 March 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 213 ft.	1,065.00	20,000.00	21,065.00			
Bulldozing						
Crosscutting 11 ft.	357.06	5,940.18	6,297.24			
Drifting 116 ft.	3,765.36	45,476.46	49,241.82			
Raising		3,375.84	3,375.84			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs		5,576.76	5,576.76			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis		2,507.25	2,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	5,187.42	173,708.17	178,895.59	5187.42	173,708.17	178,895.59

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

Date 4/28/55 *Payee Bradley Mining Co.

Per G Olston Title Assistant Secretary

*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:

$ 3890 56

Signature M. A. P.
(Authorized Certifying Officer)

Date 5-4-55 Vou. No. 1491

(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. E173 in accordance with the terms of the contract.

Signature 151 Webster S Anderson Title Mining Eng Date 5-2-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen A Zoldoff Title Mining Engr Date 5-3-55

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 March 195 5 Docket No. DMEA 128 Contract No. Icm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho amended Contract

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract & amend. no 1 Units	Authorized by Contract & amend. no 1 Unit Costs
Drifting Unit Cost	1'	3765.36	116	49,241.82	1517	32.46	2300	32.46
Crosscutting Unit Cost	1'	357.06	11	6,297.24	194	32.46		
Raising Unit Cost	1'			3,373.84	104	32.46		
Drifting, actual	1'			37,644.24	1363	27.62		
Cutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'	1065.00	213	21,065.00	1213	5.00	4500	500
Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		5187.42		160,847.29				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc				5,576.76				
Assaying, Ventilation				2,913.54				
Total Costs		5187.42		178,895.59				203,836.00

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

Date 4/28/55 Operator Bradley Mining Co.

Per G C Orton Title Assistant Secretary

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)

151 webster S Anderson

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

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR-

April 15, 1955

DMEA Progress Report for March, 1955

Contract Idm-S 173

Progress - Crosscutting and Drifting

Total advance in March was 110 feet. The B level north drift (1D-N) was driven an additional 36 feet and was stopped at 53 feet. The south drift (1D-S) was driven 63 feet. The face of 1D-S was at 105 feet at the end of the month. At 84 feet in 1D-S a short crosscut (2X-W) was driven west a distance of 11 feet.

Eight sets of drift timber were installed. Twenty-three rounds were blasted, resulting in an average advance of 4.78 feet per round.

Some diamond drilling was done from the B level during the month, and as both drifting and diamond drilling could not be done at the same time, it was necessary to suspend the drifting until the diamond drilling was completed. The mining crew worked nineteen days on a two-shift basis and three days on a single shift basis. The crew averaged 5½ men per day.

Progress - Diamond Drilling

Three short diamond drill holes were drilled from the top of the raise at the B level.

Hole DMA-22 was drilled northwest at an inclination of plus 58°. The length of the hole was 90 feet. Log is enclosed.

Hole DMA-23 was a flat hole drilled east a distance of 50 feet. Log is enclosed.

Hole DMA-24 was drilled southwest at an inclination of plus 39°. The length of the hole was 73 feet. Log is enclosed.

Total diamond drilling footage for the month was 213 feet. Six days were worked on a two shift basis and three days were worked on a single shift basis. Average advance was 14.2 feet per machine-shift, including moving and setting-up time.

Results - Crosscutting and Drifting

Values in the north drift dropped off rapidly beyond 17 feet, as the rock became less intensely altered. Some fresh granite was showing in the face at 53 feet.

The south drift continued in thoroughly altered rock carrying good gold and fair antimony values. Samples from the final 33 feet of drifting averaged 0.346 oz/ton gold.

The ore zone has now been prospected for a total length of 127 feet along the strike. Samples for this distance averaged 0.276 oz/ton gold and 0.58% antimony.

The short crosscut west (2X-W) averaged 0.285 oz/ton gold and 0.35% antimony. The lamprophyre dike was exposed in the face of the crosscut.

Results - Diamond Drilling

Two of the diamond drill holes (Nos. DMA-22 and DMA-24) were drilled to cut the area above the B level drifts. Hole DMA-22 entered the lamprophyre dike at 80 feet, some 70 feet above the B level, and somewhat north of the raise. Although the rock was predominantly altered, sulfides were not abundant and metal values were generally low. However, the last five feet before the lamprophyre dike (from 75 to 80 feet) assayed 0.215 oz/ton gold and 0.76% antimony.

Hole DMA-24 entered the lamprophyre dike at 70 feet, some 50 feet above the B level and somewhat south of the raise. The rock was altered and carried more abundant sulfides than the rock from hole DMA-22. Gold values were consistently higher than in hole DMA-22. From 25 to 70 feet gold averaged 0.140 oz/ton. The last 15 feet before the lamprophyre dike averaged 0.193 oz/ton gold. Antimony values were very low.

Hole DMA-23 was drilled to check the ground immediately east of the raise. From 15 feet to the end of the hole at 50 feet the granite was altered. Ten feet (from 25 to 35 feet) averaged 0.203 oz/ton gold. Antimony assays were uniformly low.

The results of the drifting and diamond drilling thus far completed suggest that the ore zone rakes rather gently to the north (about 30°). If this is true, it is similar to the rake of most of the orebodies in the nearby Meadow Creek Mine. The south drift will be advanced in April.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

DMEA Contract Idm-E 173

March 1955

Supporting Detail

Under Item 1 - Drifting:

Drifting done in March, 1955

99 feet at $32.46	$3,213.54
Drifting deleted from monthly operating report for June, 1954. Reclaimed now after measurements were checked by Mr. Anderson, DMEA engineer (per letter of April 11, 1955, from DMEA Field Team, Region I, NW District)	
17 feet at $32.46	551.82 ✓OK
Total Item 1 - Drifting	$3,765.36

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, 1955 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $203,836.00 Government Participation: 75% Amount, $152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		20,000.00	20,000.00			
Bulldozing						
Crosscutting 7 ft.	227.22	5,712.96	5,940.18	227.22		
Drifting 59 ft.	1,915.14	43,561.32	45,476.46	1915.14		
Raising		3,375.84	3,375.84			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis		2,507.25	2,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	2,142.36	171,565.81	173,708.17	2142.36	171,565.81	173,708.17

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

Date 3/21/55 *Payee Bradley Mining Co.

Per G. Olston Title Assistant Secretary

*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:

$1606.77

Signature M. Q. P.
(Authorized Certifying Officer)

Date 4-1-55 Vou. No. 1468
(See other side)

Totals adjusted for deletions made from June 1954 report.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E173 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 3-23-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Goldok Title Mining Engr Date 3-23-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Department of the Interior
Defense Minerals Administration
RECEIVED
APR - 4 1955

Month of February 195 5 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'	1915.14	59	45,476.46	1401	32.46		
Crosscutting Unit Cost	1'	227.22	7	5,940.18	183	32.46		
Raising Unit Cost	1'			3,375.84	104	32.46		
~~Shafts~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Winzes~~ XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			20,000.00	4000	5.00		
~~Core~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2,142.36		155,659.87				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
Total Costs		2,142.36		173,708.17				203,836.00

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

Date 3/21/55 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

Remarks: Totals adjusted for deletions made from June 1954 reports.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

March 14, 1955

DMEA Progress Report for February, 1955

Contract Idm-E 173

Progress - Crosscutting and Drifting

Total advance in February was 66 feet. No. 1 Crosscut-West, driven 47 feet in January, was driven an additional 7 feet. Drifts were started north and south from near the end of the crosscut. The north drift (1D-N) was advanced 17 feet and the south drift (1D-S) was advanced 42 feet.

Water from the Meadow Creek fault, mixed with the gouge-heavy rock from the drifts, formed a soupy, sticky muck in the ore chute. Twice in February the muck hung up in the chute and broke through into the manway. Ten shifts were lost cleaning up and repairing the damage. Also, several shifts were lost as the result of compressor failure.

Five sets of drift timbers were installed. Thirteen rounds were blasted, giving an average advance of 5.08 feet per round.

Twenty days were worked on a two-shift basis and four days were worked on a single shift basis. The average crew size was five men per day.

Progress - Diamond Drilling

None in February.

Results - Crosscutting and Drifting

The crosscut west from the raise entered the lamprophyre dike at 48 feet and the Meadow Creek fault at 52 feet.

A total distance of 63 feet was prospected in the ore zone east of the Meadow Creek fault. Gold values for this distance were quite good (average 0.275 oz/ton Au), but antimony assays were not up to expectations (average 0.51% Sb). No scheelite was found.

Further drifting in the ore zone will be done in March.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1955 Docket No. DMEA 1284X Contract No. Idm-B 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		20,000.00	20,000.00		20,000.00	20,000.00
Bulldozing						
Crosscutting				1525.62	4187.34	5712.96
Drifting 47 ft.	1,525.62	4,187.34	5,712.96		43561.32	43561.32
		43,561.32	43,561.32	2109.90	1265.94	3375.84
Raising 65 ft.	2,109.90	1,265.94	3,375.84			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25		28214.25	28214.25
Supervision		5,915.91	5,915.91		5915.91	5915.91
Technical Services		3,600.00	3,600.00		3600.00	3600.00
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78		5345.78	5345.78
Explosives		6,735.40	6,735.40		6735.40	6735.40
Pipe		3,737.39	3,737.39		3737.39	3737.39
Track		2,521.34	2,521.34		2521.34	2521.34
Other		8,416.35	8,416.35		8416.35	8416.35
Power		791.36	791.36		791.36	791.36
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00		9558.00	9558.00
Depreciation		6,720.00	6,720.00		6720.00	6720.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5576.76	5576.76
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26		5384.26	5384.26
Sampling and Analysis		2,507.25	2,507.25		2507.25	2507.25
Payroll Taxes		932.60	932.60		932.60	932.60
Liability Insurance		2,552.75	2,552.75		2552.75	2552.75
Ventilation		406.29	406.29		406.29	406.29
(8) Contingencies (specify):						
Totals	3,635.52	167,930.29	171,565.81	3635.52	167930.29	171565.81

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

Date 3/21/55 *Payee Bradley Mining Co.

Per G. Alston Title Assistant Secretary

*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:

$ 2726 64

Signature M. P. (Authorized Certifying Officer)

Date 4-1-55 Vou. No. 1468
(See other side)

Totals adjusted for deletions made from June 1954 report

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E173 in accordance with the terms of the contract.

Signature 1st Wilbur S Anderson Title Mining Engr Date 3-23-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Goldok Title Mining Engr Date 3-23-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1955 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting Unit Cost	1'			43,561.32	1342	32.46		
Crosscutting Unit Cost	1'	1525.62	47	5,712.96	176	32.46		
Raising Unit Cost	1'	2109.90	65	3,375.84	104	32.46		
Drifting, actual	1'			37,614.24	1363	27.62		
XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			20,000.00	4000	5.00		
Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,635.52		153,517.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
TOTAL COSTS		~~3635.52~~		~~171,565.81~~				~~203,836.00~~

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

Date 3/21/55 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

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

REMARKS: Totals adjusted for deletions made from June 1954 report

(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

March 10, 1955

DMEA Progress Report for January, 1955

Contract Idm-8 173

Progress - Raising and Crosscutting

Total advance in January was 112 feet. 1-Raise, driven 39 feet in December, was driven an additional 65 feet in January and was stopped at 104 feet. Eighty-six crib sets and one square set were installed in the raise. Thirteen raise rounds were blasted, resulting in an average advance of 5.0 feet per round.

From the top of the raise, 95 feet vertically above the main tunnel level, the "B" level was established (designated the "B" level because it is at approximately the same elevation as the "B" level in the nearby Meadow Creek mine). A crosscut (1X-W) was started west towards the Meadow Creek fault. At the end of the month the crosscut had been driven 47 feet. Eleven rounds were blasted, resulting in an average advance of 4.3 feet per round. No timbering was done in the crosscut.

Nineteen days were worked on a two-shift per day basis and six days were worked on a single shift basis. The crew averaged 5½ men per day, including a supervisor.

Progress - Diamond Drilling

None in January.

Results - Raising and Crosscutting

The raise was east of the ore zone proper, as evidenced by generally low antimony and gold values and patches of fresh granite occasionally encountered. For the entire 104 feet, gold averaged 0.050 oz/ton and antimony averaged 0.30%. However, 10 feet near the top of the raise (from 84 to 94 feet) averaged 1.63% antimony.

The crosscut was in completely altered granite carrying substantial amounts of pyrite and arsenopyrite and, in places, there appeared to be fairly abundant stibnite. However, extensive sampling failed to confirm the presence of good antimony values -- from 9 to 47 feet antimony averaged 0.43%, with no five-foot section assaying higher than 0.88%.

Gold values increased in the crosscut as the Meadow Creek fault was approached:

0 to 9 feet	0.063 oz/ton gold
9 to 37 "	0.173 " " "
37 to 47 "	0.292 " " "

Only traces of scheelite were found.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/js

XXXXXXXXXXXXXXXXX
1201 N. Division St.
Spokane 8, Washington
March 28, 1955

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region I, NW District
1201 North Division Street
Spokane 8, Washington

Re: Bradley Mining Co.
Contract IAm-8173
Monthly operating report
for January 1955

Dear Mrs. Purdy:

The fact that the subject operator has raised 104 feet under Stage 1 of Amendment No. 1 to the Amended Contract, has been called to the attention of the Field Team.

While the "Description of the Work" calls for 100 feet of raising, under "Estimated Costs" raising, drifting and crosscutting are combined for a total of 400 feet. The Field Team feels that from the standpoint of good engineering the best interests of both the operator and the Government will be served by allowing this extra 4 feet of raising, and you are hereby authorized to do so.

By Field Team, Region I
Northwest District

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Ning S. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (2)
USGS (2)
Wash. (2)

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

Budget Bureau No. 42-R1036.5

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

Month of December, 195 4 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,836.00 Government Participation: 75 % Amount, $ 152,877.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		20,000.00	20,000.00			
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting		43,561.32	43,561.32			
Raising 39'	1265.94		1,265.94			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis		2,507.25	2,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	1265.94	166,664.35	167,930.29	1265.94	166,664.35	167,930.29

RECEIVED YELLOW PINE MINE Jan 1955 A.M. P.M. 6 7 8 9 10 11 12 1 2 3 4 5 6

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3/1/55 *Payee Bradley Mining Co.
Per [signature] Title Assistant Secretary

*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:

$ 949.45

Signature MJP
(Authorized Certifying Officer)

Date 3-7-55 Vou. No. 1452
(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. E173 in accordance with the terms of the contract.

Signature /S/ Webster S. Anderson Title Mining Eng. Date 3-3-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldoff Title Mining Eng. Date 3-3-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Received
MAR 21 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 1284X Contract No. Idm-3 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'			43,561.32	1342	32.46		
Crosscutting Unit Cost	1'			4,187.34	129	32.46		
Raising Unit Cost	1'	1265.94	39	1,265.94	39	32.46		
~~xxx~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~xxxx~~ XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			20,000.00	4000	5.00		
~~xxxx~~ Actual	1'			3,436.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1265.94		149,881.99				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,913.54				
Total Costs		1265.94		167,930.29				203,836.00

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

Date 3/1/55 Operator Bradley Mining Co.

Per G Olston Title Assistant Secretary

Remarks: Totals adjusted for deletions made from June 1954 report.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

December 5, 1954

DMEA Progress Report for November, 1954

Contract Idm-R 173

No drifting, raising or diamond drilling was done in November. As the contract is on a unit cost basis, no costs are reported for the month.

No work was done on the project during September and October, 1954. A considerable amount of preparatory work was done in November, prior to starting the raise early in December, as authorized by Amendment No. 1 to the Amended Contract.

A total of 140 man-shifts were devoted to the preparatory work. An average of 5½ men per day worked on the project throughout the month. A breakdown of the major jobs follows:

Ventilation pipe repairs and booster blower installation	48 man-shifts
Drill steel sharpening	14 " "
Trammer overhaul	13 " "
Timbering	17½ " "
Drift clean-up and digging water ditch	13 " "
Cutting mine timbers, stacking lagging and framing sets	9½ " "
Miscellaneous (equipment repairs, supervision, etc.)	25 " "

Seven drift timber sets were installed and by the end of the month preparations were nearly completed to start raising.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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

Budget Bureau No. 42-R1036.5

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

Month of August, 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling 718 ft.	3,590.00	16,410.00	20,000.00	3590.00		
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting		44,502.66	44,502.66			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	291.25	2,216.00	2,507.25	291.25		
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	3,881.25	163,724.44	167,605.69	3881.25	162283.10	166164.35

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/17/54 *Payee Bradley Mining Co.
Per G. Olston Title Assistant Secretary

*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:

$ 2910 94

Signature MDP
(Authorized Certifying Officer)
Date 10/28/54 Vou. No. 1329
(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. E173 in accordance with the terms of the contract.

Signature 151 Webster S. Anderson Title Mining Engr. Date 10/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W. Zoldok Title Mining Engr. Date 10/25/54

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

RECEIVED
NOV 5 - 1954

Month of August 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'			44,502.66	1371	32.46)	1500	32.46
Crosscutting Unit Cost	1'			4,187.34	129	32.46)		
~~Raising~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Shafts~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'	3,590.00	718	20,000.00	4000	5.00	4000	5.00
~~Core~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		3,590.00		149,557.39				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		291.25		2,913.54				
Total Costs		3,881.25		167,605.69				175,368.00

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

Date 10/14/54 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

January 11, 1955

DMEA Progress Report for December, 1954

Contract Idm-E 173

Progress - Raising

On December 6th the first round was blasted in the raise authorized by Amendment No. 1 to the Amended Contract. The raise, designated as 1-Raise, is located as shown on the map accompanying our application for extension of Contract Idm-E 173, dated August 30, 1954. It is being driven at an inclination of 67° so as to intersect at about 100 feet above the tunnel level an orebody previously discovered by diamond drilling.

Initial progress on the raise was slow due to a shortage of miners caused by sickness. Also, a number of preparatory jobs that were started in November were completed in December (repairing ventilation pipe, changing booster blower, cutting mine timbers, digging drainage ditch, overhauling trammer). At the end of the month the raise had been driven 39 feet. Nine rounds were blasted, resulting in an average advance of 4.33 feet per round.

The two-compartment raise is being timbered with 4 x 6 inch cribbing. Each compartment is approximately 4 x 4 feet in the clear. Forty-three raise crib sets were installed in December. In addition, one raise square set and two drift sets were placed.

Twenty-five days were worked on a single shift basis with an average of 4½ men per day, including a supervisor.

Progress - Diamond Drilling

None in December.

Results - Raising

The raise was in completely altered granite for the distance driven in December. Mineralization was weak: from 0 to 29 feet, antimony averaged 0.14% and gold averaged 0.054 oz/ton. Samples beyond 29 feet have not yet been assayed.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

August, 1954

Part I - Drifting and Crosscutting

None

Part II - Diamond Drilling

Item 1 - Unit Costs

Diamond Drilling	718 ft. at $5.00	$3,590.00

Item 7 - Miscellaneous

Diamond Drill Samples

125 Antimony Assays	at $1.50	$187.50	
125 Gold Assays	at $0.75	93.75	
5 Tungsten Assays	at $2.00	10.00	$ 291.25

(Above assay charges exceed contract total estimated cost)

September 16, 1954

DMEA Progress Report for August, 1954

Contract Idm-E 173

Progress - Drifting

None in August.

Progress - Diamond Drilling

Nineteen days were worked on a two shift basis. Diamond drilling was completed on August 25th.

Total diamond drilling footage for the month was 718 feet. Average advance was 18.9 feet per machine-shift, including moving and setting-up time.

Five holes were completed in August:

Hole DMA-17, drilled 105 feet in July, was completed to a length of 200 feet in August. Log is enclosed.

Hole DMA-18 was a flat hole drilled west from a station about 340 feet back from the face of 2 Drift-South. The length of the hole was 108 feet. Log is enclosed.

Hole DMA-19 was drilled southeast from the same location as hole DMA-17 (210 feet back from the face of 2 Drift-South). It was drilled at an inclination of plus 30°; length 280 feet. Log is enclosed.

Hole DMA-20 was drilled northwest at an inclination of plus 44° from 4 Drift-South. The length of the hole was 135 feet. Log is enclosed.

Hole DMA-21 was a flat hole drilled southeast from the face of 2 Drift-South. The length of the hole was 100 feet. Log is enclosed.

Geology - Diamond Drilling

As was the case in July, drilling in August was generally successful in locating ore when it was directed west to the Meadow Creek fault, and unsuccessful when directed east and away from the Meadow Creek fault.

A lenticular antimony-gold orebody has been outlined on the tunnel horizon by drill holes DMA-15, DMA-16 and DMA-18. One hole (DMA-20) tested the zone 40 to 80 feet above the tunnel level.

Hole DMA-18 intersected 25 feet of 0.110 oz/ton gold but only minor antimony values near the north end of the zone. Hole DMA-15 intersected 30 feet of 2.01% antimony (true width about 12 feet) and 100 feet of 0.137 oz/ton gold (true width about 40 feet) near the center of the ore zone. Hole DMA-16 intersected 40 feet of 0.146 oz/ton gold with only minor antimony values near the south end of the zone. Hole DMA-20, drilled to intersect the middle of the zone above the tunnel level, cut 10 feet of 2.41 per cent antimony and 95 feet of 0.235 oz/ton gold.

At the tunnel horizon the ore zone apparently consists of a rather narrow lens of stibnite in a more extensive envelope of gold mineralization some 600 feet long, lying immediately east of the Meadow Creek fault. Hole DMA-20 indicates that both antimony and gold values increase above the tunnel level.

Holes DMA-17 and DMA-19 were drilled to cut the tungsten mineralization found in 4 Drift-South. Hole DMA-17 cut 10 feet of 0.25% WO_3 below the tunnel level, but Hole DMA-19 failed to find more than traces of WO_3 above the tunnel level. Apparently the scheelite mineralization is very spotty.

Hole DMA-21 encountered nothing of interest beyond the face of 2 Drift-South.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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, 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $175,368.00 Government Participation: 75 % Amount, $131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling 494 ft.	2,470.00	13,940.00	16,410.00	2470.00		
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting 5 ft.	162.30	44,340.36	44,502.66	162.30		
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	207.00	2,009.00	2,216.00	207.00		
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	2,839.30	160,885.14	163,724.44	2839.30	159943.80	162783.10

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/14/54 *Payee Bradley Mining Co.
Per [signature] Title Assistant Secretary

*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:

$2129 48

Signature [signature]
(Authorized Certifying Officer)

Date 10/28/54 Vou. No. 1329
(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. E173 in accordance with the terms of the contract.

Signature 151 Webster S. Anderson Title Mining Engr Date 10-25-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W. Zaldok Title Mining Engr Date 10/25/54

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 July 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1'	162.30	5	44,502.66	1371	32.46)	1500	32.46
Crosscutting Unit Cost	1'			4,187.34	129	32.46)		
~~Raising~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Shafts~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'	2,470.00	494	16,410.00	3282	5.00	4000	5.00
~~Core~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,632.30		145,967.39				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		207.00		2,622.29				
TOTAL COSTS		2,839.30		163,724.44				175,368.00

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

Date 10/14/54 Operator Bradley Mining Co.

Per E Orton Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

COPY

September 1, 1954

DMEA Progress Report for July, 1954

Contract Idm-E 173

Progress - Drifting

Total advance in July was 5 feet, all in 4 Drift-South. The length of the drift at the end of the month was 200 feet.

One drift round was blasted in July. In addition, one side swipe and one full round were blasted for a diamond drill station at the face of 4 Drift-South. Two timber sets and eleven stulls were installed.

An underground crew of two men worked one shift per day for 8½ days.

The advance of 5 feet in 4 Drift-South completed the drifting and crosscutting footage provided by the contract.

Progress - Diamond Drilling

Diamond drilling was resumed on the 13th of July. Six days were worked on a single-shift basis and ten days were worked two shifts per day.

Total diamond drilling footage for the month was 494 feet. Average advance was 19.0 feet per machine-shift, including moving and setting up time.

Three holes were completed and a fourth hole was started.

Hole DMA-14 was a flat hole drilled southeast from 4 Drift-South. The length of the hole was 79 feet. (The log of hole DMA-14 is enclosed with this report).

Hole DMA-15 was a flat hole drilled northwest from 4 Drift-South. The length of the hole was 225 feet. Log is enclosed.

Hole DMA-16 was a flat hole drilled west from the face of 4 Drift-South. The length of the hole was 85 feet. Log is enclosed.

Hole DMA-17 was started 210 feet back from the face of 2 Drift-South. It is being drilled southeast at an inclination of minus 39°. Drilled 105 feet in July; completed in August.

Geology - Drifting

The very limited amount of drifting in July disclosed nothing of interest.

Geology - Diamond Drilling

Hole DMA-14 encountered a zone of rather strong alteration in the first 40 feet. The highest values were from 35 to 40 feet: 0.125 oz/ton gold and 1.51 per cent antimony. No tungsten was found in the hole.

Hole DMA-15 cut a wide zone of intensely altered granite between 4 Drift-South and the Meadow Creek fault. Good antimony values were present in 30 feet of the hole: 2.01 per cent antimony from 105 to 135 feet. Gold values from 95 to 195 feet averaged 0.137 oz/ton. Traces of scheelite were present in much of the hole. The Meadow Creek fault was entered at 200 feet.

Hole DMA-16 also cut altered granite between 4 Drift-South and the Meadow Creek fault. Antimony values were low throughout the hole. Gold values were fair, averaging 0.146 oz/ton from 15 to 55 feet. Five feet (from 30 to 35 feet) assayed 0.325 oz/ton gold. Occasional traces of scheelite were noted in the sludges.

BRADLEY MINING CO.

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

July, 1954

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	5 ft. at $32.46		$ 162.30

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

1	Antimony Assay at $1.50	$1.50	
1	Gold Assay at $0.75	0.75	2.25

Part II - Diamond Drilling

Item 1 - Unit Costs

Diamond Drilling	494 ft. at $5.00		2,470.00

Item 7 - Miscellaneous

Diamond Drill Samples

91	Antimony Assays at $1.50	$136.50	
91	Gold Assays at $0.75	68.25	204.75

(Above assay charges exceed contract total estimated cost)

Form MF-104 (Rev.)
(April 1953)

Budget Bureau No. 42-R1036.5

RECEIVED

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

Month of June 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		13,940.00	13,940.00		13940.00	13940.00
Bulldozing						
Crosscutting		4,187.34	4,187.34		4187.34	4187.34
Drifting 132 ft.	4,284.72	40,055.64	44,340.36	3343.38	40055.64	43399.02
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25		28214.25	28214.25
Supervision		5,915.91	5,915.91		5915.91	5915.91
Technical Services		3,600.00	3,600.00		3600.00	3600.00
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78		5345.78	5345.78
Explosives		6,735.40	6,735.40		6735.40	6735.40
Pipe		3,737.39	3,737.39		3737.39	3737.39
Track		2,521.34	2,521.34		2521.34	2521.34
Other		8,416.35	8,416.35		8416.35	8416.35
Power		791.36	791.36		791.36	791.36
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00		9558.00	9558.00
Depreciation		6,720.00	6,720.00		6720.00	6720.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5576.76	5576.76
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26		5384.26	5384.26
Sampling and Analysis	67.50	1,941.50	2,009.00	67.50	1941.50	2009.00
Payroll Taxes		932.60	932.60		932.60	932.60
Liability Insurance		2,552.75	2,552.75		2552.75	2552.75
Ventilation		406.29	406.29		406.29	406.29
(8) Contingencies (specify):						
TOTALS	4,352.22	156,532.92	160,885.14	3410.88	156532.92	159943.80

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

Date 7/29/54 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:

$ 2558 16

Signature MJP
(Authorized Certifying Officer)

Date 10/28/54 Vou. No. 1329
(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. 6173 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 8-4-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 10/25/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1'	4284.72	132	44,340.36	1366	32.46)	1500	32.46
Crosscutting Unit Cost	1'			4,187.34	129	32.46)		
~~Raising~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Shafts~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'			13,940.00	2788	5.00	4000	5.00
~~Churn~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4284.72		143,335.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		67.50		2,415.29				
TOTAL COSTS		~~4352.22~~		~~160,885.14~~				~~175,368.00~~

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

Date 7/29/54 Operator Bradley Mining Co.

Per G. Alston Title Assistant Secretary

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

July 19, 1954

DMEA Progress Report for June, 1954

Contract Idm-E 173

Progress - Drifting

Total advance in June was 132 feet, all in 4 Drift-South. The length of this drift at the end of the month was 195 feet.

Twenty-eight drift rounds were blasted, giving an average advance of 4.71 feet per round. An additional round was blasted for a diamond drill station in 4 Drift-South. Most of the drifting required timbering; 17 timber sets were installed.

An underground crew of 5 men worked two shifts per day for 22 days. Five days were worked on a single shift basis with two men.

Drifting and crosscutting under the contract was nearly completed at the end of the month; only 5 feet remained to be done. Immediately after completion of the drifting, diamond drilling will be resumed.

Progress - Diamond Drilling

None in June. Remaining contract diamond drilling footage is 1212 feet, which will require about three months to complete.

Geology - Drifting

As mentioned in the report for May, 4 Drift-South was started on a rather strong zone of tungsten mineralization, but passed out of the scheelite at 38 feet. The drift was continued southwest toward the Meadow Creek Mine in June, but only negligible amounts of scheelite were found. The drift was driven in nearly completely altered granite with sulfides; small patches of fresh granite were occasionally noted.

The practically complete absence of scheelite in the recent drifting may be explained by either (1) the scheelite occurs in isolated, discontinuous zones within the altered granite, or (2) the structural or other control of tungsten deposition has not been recognized and 4 Drift-South is to one side or the other of the ore zone. Diamond drilling should indicate which explanation is correct.

Occasional small lenses of high-grade stibnite were exposed in the drifting, but the car samples indicated that no 5-foot sections contained over 0.50 per cent antimony. Car samples for the month averaged 0.082 oz/ton gold, 0.18 per cent antimony, and no tungsten.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

June, 1954

Part I - Drifting and Crosscutting

Item I - Unit Costs

Drifting	132 ft. at $32.46		$4,284.72

Item 7 - Miscellaneous

Sampling and Analysis		
Car Samples		
30 Antimony Assays at $1.50	$45.00	
30 Gold Assays at $0.75	22.50	$67.50

(Above assay charge exceeds contract total estimated cost)

DMEA Field Team, Region II

November 2, 1954

DMEA Certifying Officer, Region II

Contract Idm-E173, Bradley Mining Co.
Monthly Operating Report for June 1954

The subject report has been received and processed for payment.

The Operator submitted a claim for $4,352.22. From this amount $941.34 has been withheld which represents 29 feet of drifting at $32.46 per foot. This amount has been withheld on the recommendation of the DMEA engineer assigned to the project who wishes to check the drift footage completed before approving payment for the entire 1500 feet of drifting allowed by the contract.

As soon as these measurements have been checked by Mr. Anderson, the Operator may reclaim the amount deleted if Mr. Anderson's measurements agree with the footage claimed by the Operator.

Myrtle Purdy

cc: DMEA (2)
WBBG. (2)
USGS (2)

Form MF-162 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED JUN 28 1954

Month of May 1954 Docket No. DMEA 1284X

Operator's Name Bradley Mining Co.

Address Stibnite, Idaho

Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		13,940.00	13,940.00			
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting 123 ft.	3992.58	36,063.06	40,055.64			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	82.50	1,859.00	1,941.50			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	4,075.08	152,457.84	156,532.92	4075.08	152457.84	156532.92

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

Date 6/14/54 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:

$ 3056.31

Signature [signature] (Authorized Certifying Officer)

Date 6/18/54 Vou. No. 1185

(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. E173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Eng Date 6/16/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Eng Date 6/16/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 1284X Contract No. Idm-E-173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1'	3,992.58	123	40,055.64	1234	32.46)	1500	32.46
Crosscutting Unit Cost	1'			4,187.34	129	32.46)		
~~Raising~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Shaft~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'			13,940.00	2788	5.00	4000	5.00
~~Stock~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		3,992.58		139,050.37				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		82.50		2,347.79				
Total Costs		4,075.08		156,532.92				175,368.00

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

Date 6/14/54 Operator Bradley Mining Co.

Per G. Orton Title Assistant Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

June 11, 1954

DMEA Progress Report for May, 1954

Contract IdmE 173

Progress - Drifting

Total advance in May was 123 feet. 2 Drift-South was advanced 60 feet, giving it a total length of 2039 feet. A new drift, designated 4 Drift-South, was driven 63 feet.

Twenty-six rounds were blasted in May, resulting in an average advance of 4.73 feet per round. Somewhat less than half of the drifting required timbering; 10 timber sets were installed.

A shortage of miners, caused by sickness, substantially reduced the number of shifts worked in May. Only 13 days were worked on a two-shift basis with 5 men; 14 days were worked on a single shift basis with an average of 2½ men per day.

Progress - Diamond Drilling

None in May

Geology - Drifting

2 Drift-South, advanced 60 feet, was in scheelite-bearing altered granite for 15 feet, then mixed altered and fresh granite for 25 feet, and finally fresh granite for the last 20 feet.

2 Drift-South was stopped at 2039 feet and a new drift (4 Drift-South) was started on what was believed to be the strongest scheelite-gold mineralization encountered in 2 Drift-South. The new drift is being driven southwest toward the "A" level of the Meadow Creek Mine.

Scheelite was present in appreciable amounts in the first 38 feet of 4 Drift-South. The scheelite occurred in brecciated granite bounded by two parallel faults about nine feet apart. Tungsten values dropped off at 38 feet, and the final 25 feet driven in May contained fair gold values but no scheelite. Several 6-foot Jackhammer holes were drilled from the walls of the drift and the cuttings lamped for scheelite; only one of the holes carried scheelite.

Car sample assays for 4 Drift-South averaged as follows:

Tungsten:	4 - 12 ft.	0.05% WO_3
	12 - 38 ft.	0.44% "
	38 - 63 ft.	Nil "
Gold:	4 - 33 ft.	0.078 oz/ton
	33 - 63 ft.	0.162 oz/ton
Antimony:	4 - 63 ft.	0.14%

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

May, 1954

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	123 ft. at $32.46				$3,992.58

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

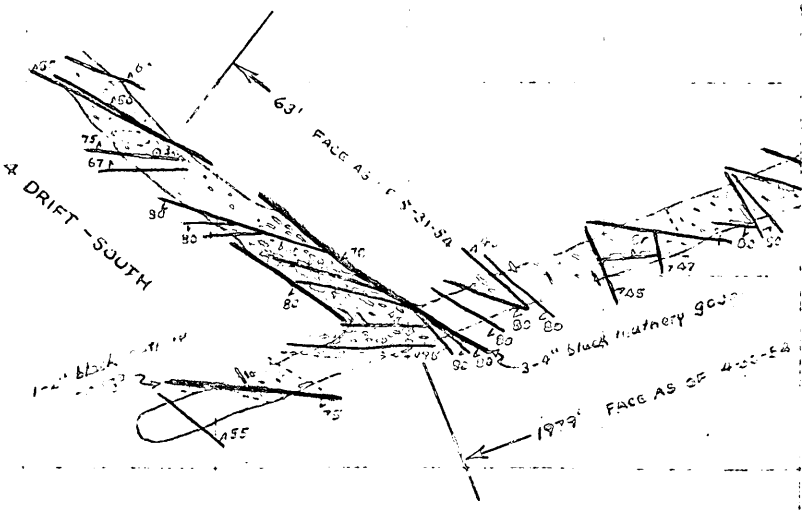
26	Antimony Assays	at	$1.50	$39.00	
26	Gold Assays	at	0.75	19.50	
12	Tungsten Assays	at	2.00	24.00	$82.50

(Above assay charge exceeds contract total estimated cost)

N

19,600 E

19,300 E



SHEET 15

D.M.A. TUNNEL
GEOLOGY

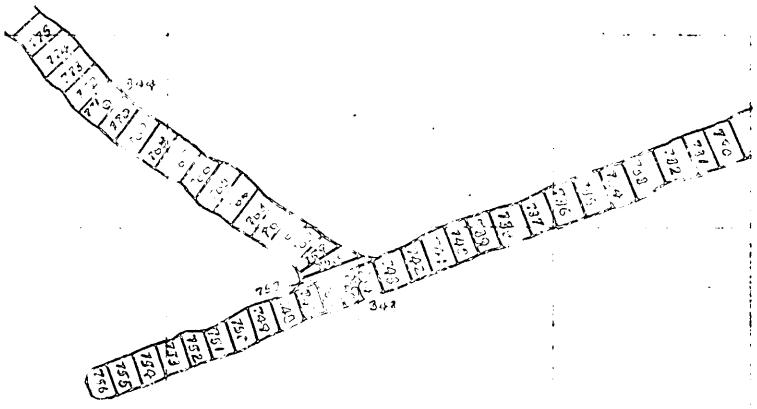
SCALE: 1" = 40'

SAMPLES

No	Au oz/ton	Ag oz/ton	Sb %	No	Au oz/ton	Sb %	W %
729	.005	0.10	Tr	762	[illegible]	[illegible]	[illegible]
730	.010	0.04	.03	763	[illegible]	[illegible]	[illegible]
731	.015	0.07	Nil	764	[illegible]	0.25	1.14
738	.015	0.04	Tr	765	[illegible]	[illegible]	[illegible]
739	.020	0.11	0.03	766	[illegible]	[illegible]	Tr
740	.030	0.13	0.05	767	.190	0.07	Nil
741	.030	0.08	Nil	768	.140	0.09	Nil
742	.010	0.09	Nil	769	.130	0.16	Nil
743	.005	0.05	Nil	770	.125	0.12	Nil
744	.050	0.07	0.07	771	.125	[illegible]	Nil
745	.065	0.13	0.01	772	.060	0.14	Nil
746	.040	0.15	0.07	773	[illegible]	[illegible]	Nil
747	.065	0.23	0.14	774	.130	[illegible]	Nil
748	.025	0.10	Tr				
749	.025	0.12	Tr				
750	.045	0.20	Nil				
751	.035	0.12	Nil				
752	.025	0.08	Tr				
753	.015	0.05	Tr				
754	.005	0.06	Nil				
755	Tr	0.06	Nil				
756	.010	0.06	Nil				
757	.075	0.06	0.02				
758	.080	0.14	0.07				
759	.065	0.07	0.07				
760	.060	0.09	0.60				
761	.090	0.08	0.16				

19,000 E.

19,500 E



21,400 N

SHEET 15

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

Form MF-101 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 57 ft.	285.00	13,655.00	13,940.00	285.00		
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting 140 ft	4,544.40	31,518.66	36,063.06	4544.40		
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	81.25	1,777.75	1,859.00	81.25		
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	4,910.65	147,547.19	152,457.84	4910.65	147,547.19	152,457.84

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/28/54 *Payee Bradley Mining Co.
Per [signature] Title Assistant Secretary

*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:

$ 3682 99

Signature [signature]
(Authorized Certifying Officer)

Date 6/16/54 Vou. No. 1181
(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. 6173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/3/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/3/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ME-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft	4,544.40	140	36,063.06	1111	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft			4,187.34	129	32.46)		
~~xxxxx~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~xxxxx~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft	285.00	57	13,940.00	2788	5.00	4000	5.00
~~xxxx~~ Actual	1 ft			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4,829.40		135,057.79				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		81.25		2,265.29				
TOTAL COSTS		4,910.65		152,457.84				175,368.00

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

Date 5/28/54 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

COPY

May 20, 1954

DMA Progress Report for April, 1954

Contract Idm-3 173

Progress - Drifting

Total advance in April was 140 feet, all in 2 Drift-South. The total length of the drift at the end of the month was 1979 feet.

Twenty-five rounds were blasted, resulting in an average advance of 5.60 feet per round. All but the last 16 feet of drift required timbering; 22 timber sets were installed.

An underground crew of five men worked two shifts per day throughout the month (26 work days). In addition, two men worked 9 days cutting and hauling mine timbers and lagging.

Progress - Diamond Drilling

Diamond drill hole No. DMA-13 drilled 343 feet in March, was completed to a length of 400 feet in April. The log of the hole is included with this report.

Total diamond drilling footage for the month was 57 feet. Average advance was 19.0 feet per machine-shift, including tearing down and moving out time.

Geology - Drifting

Practically all of the advance in April was in altered granite. Scheelite was present in rather small amounts in most of the drifting. The distribution of the scheelite was extremely erratic, but the apparent trend of the majority of the occurrences was about north 10 to 20 degrees east. The scheelite generally occurs along or near fractures and faults.

The following distinct types of scheelite occurrences have been noted in the recent drifting:

1 - Stringers up to one-half inch wide in altered granite and, occasionally, in fresh granite.

2 - Powder-like smears in gouge seams.

3 - Pockets, locally up to one or two feet wide, consisting of scheelite veinlets of random orientation in altered granite.

4 - Stringers in recemented granite breccia.

5 - Isolated crystals and crystal aggregates up to one inch in diameter.

Antimony and gold values continued to be generally very low; however, the last round blasted in April carried 0.050 oz/ton gold.

Geology - Diamond Drilling

Diamond drill hole No. DMZ-13 cut essentially fresh granite with patches of alteration in the final 57 feet drilled in April. The sludge samples for this distance assayed 0.065 oz/ton gold; it is likely that a large part of this gold came from salting from the altered granite in the first part of the hole.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail - Contract Idm-E 173

April, 1954

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	140 ft. at $32.46		$4,544.40

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

25	Antimony Assays	at $1.50	$37.50	
25	Gold Assays	at $0.75	18.75	
8	Tungsten Assays	at $2.00	16.00	

Diamond Drill Samples

4	Antimony Assays	at $1.50	6.00	
4	Gold Assays	at $0.75	3.00	$81.25

(Above assay charge exceeds contract total estimated cost).

Part II - Diamond Drilling

Item 1 - Unit Costs

Diamond Drilling	57 ft. at $5.00	$285.00

[illegible]: 21,731.1 [illegible]

19,731.1 S

[illegible]: 6,651.8

[illegible]

Stimpite, Idaho

[illegible] DDH-13

[illegible]: S 59° 53' [illegible]

[illegible]: Plus 2½°

Page 1

Footage	Mineralogy	% Recovery	% [illegible]	Oz. Au	% Sb	Size Core
0 - 5	Fresh granite to 1', altered aplite with fine-grained sulfides 1-5'. Patch of fresh granite 3'	75	No sludge sample			BX
5 - 10	Altered aplite with fine-grained sulfides in fractures to 8½'. Essentially fresh granite 8½-10'	80	"	"	"	"
10- 15	Fresh granite to 12', altered granite (50% alt.) with fine-grained sulfides 12-15'	55	Nil	.015	.05	BX
15 - 20	Fresh granite. Aplite 16-17'	35	"	Tr	.05	"
20 - 25	Mixed fresh granite and aplite	30	"	Tr	.04	"
25 - 30	Fresh granite	40	"	Tr	.04	"
30 - 35	Fresh granite; partially altered at 32'	30	"	Tr	.03	"
35 - 40	Fresh granite	20	"	Tr	.04	"
40 - 45	Fresh granite to 42', partially altered (50% alt.) granite 42-43', fresh granite 43-44', aplite 44-45'	50	Tr	.005	.03	"
45 - 50	Aplite to 46', fresh granite 46-50'	55	Nil	.005	.04	"
50 - 55	Fresh granite to 52½', aplite to 54½', partially altered granite (40% alt.) to 55'	50	Nil	.005	.07	"
55 - 60	Aplite to 56', partially altered granite (50%) 56-60'	75	Tr	.015	.04	"
60 - 65	Essentially fresh granite (10% altered)	50	Nil	.010	.04	"
65 - 70	Altered aplite and granite (75% alt.) with fine-grained sulfides to 68½', essentially fresh granite 68½ - 70'	55	"	.010	.04	"
70 - 75	Essentially fresh granite; minor patches of alteration	75	"	.010	.05	"
75 - 80	Aplite; minor fresh granite	70	"	.010	.04	"
80 - 85	Somewhat altered granite (30% alt.) to 84', completely altered granite 84-85'	85	"	.015	.04	"
85 - 90	Completely altered granite with fine-grained sulfides to 87'; altered aplite with fine-grained sulfides 87-90'	80	"	.005	.03	"
90 - 95	Altered aplite to 91'; completely altered granite with fine grained sulfides 91-95'	40	"	Tr	.11	"
95- 100	Completely altered granite and aplite with fine grained sulfides to 99'; fresh granite 99-100'	80	"	.015	.10	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
100-105	Completely altered granite with fine-grained sulfides	75	Nil	.020	.07	AX
105-110	Altered granite (75% alt.) to 107'; aplite 107-110'	60	"	.020	.06	"
110-115	Altered granite and aplite (90% alt.)	10	"	.040	.28	"
115-120	Completely altered granite with fine-grained sulfides. Some aplite.	20	"	.060	.07	"
120-125	Partially altered fine-grained granite (40% alt.) to 122½'; completely altered granite with fine-grained sulfides, some aplite 122½-125'	65	"	.030	.08	"
125-130	Completely altered granite with fine-grained sulfides. Some aplite	50	"	.025	.09	"
130-135	Altered granite (80% alt.) with fine-grained sulfides.	30	"	.015	.06	"
135-140	Partially altered granite (40% alt.)	50	.07	.030	.09	"
140-145	Slightly altered granite (20% alt.)	60	.05	.015	.11	"
145-150	Completely altered granite, many seams of fine grained sulfides	95	.01	.030	.05	"
150-155	Altered granite (75% alt.) to 152'; essentially fresh granite, some aplite, 152-155'	75	.04	.030	.05	"
155-160	Essentially fresh granite; altered locally near fractures	85	.03	.040	.09	"
160-165	" " " " " " "	90	.04	.030	.10	"
165-170	Altered granite (70% alt.) to 167'; fresh granite to 169'; aplite 169-170'	65	.05	.040	.13	"
170-175	Essentially fresh granite (10% alt.)	90	.05	.045	.13	"
175-180	" " " " "	95	.09	.035	.06	"
180-185	" " " " " , altered locally	85	.10	.055	.07	"
185-190	Fresh granite, some aplite	70	Tr	.050	.07	"
190-195	Altered granite to 190½'; essentially fresh granite to 192'; altered granite with fine-grained sulfides 192-195'	55	Tr	.050	.18	"
195-200	Completely altered granite with fine-grained sulfides	8	Tr	.065	.08	"
200-205	Somewhat altered (40% alt.) to 202'; completely altered granite with fine grained sulfides 202-205'	50	Tr	.050	.14	"
205-210	Completely altered granite with fine grained sulfides; some brecciated areas	65	Tr	.045	.25	"
210-215	Completely altered granite with fine grained sulfides; some brecciated areas. Small amount WO_3 at 210½'	70	Tr	.075	.14	"
215-220	Completely altered granite with fine grained sulfides; some brecciated areas.	75	Tr	.080	.13	"
220-225	Completely altered granite with fine grained sulfides; some brecciated areas. Silicified.	90	Tr	.055	.19	"

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
225-230	Completely altered granite with fine grained sulfides. Silicified. 8" fresh granite at 229'.	95	Tr	.015	.08	AX
230-235	Completely altered granite with fine grained sulfides to 231', essentially fresh granite 231-235'	95	Tr	.015	.07	"
235-240	Essentially fresh granite. Altered at 235' and 239½-240'	100	Tr	.015	.19	"
240-245	Altered granite to 240½', fresh granite 240½-242', aplite 242-245'	95	Tr	.010	.11	"
245-250	6" altered granite at 245', aplite to 248', fresh granite 248-250'	90	Tr	.030	.07	"
250-255	Fresh granite	90	Tr	.030	.11	BX
255-260	Fresh granite to 257'; completely altered granite 257-260'	90	Tr	.030	.09	"
260-265	Completely altered granite - "breccia type". Fine grained sulfides	25	Tr	.050	.12	"
265-270	Completely altered granite - "breccia type". Fine grained sulfides. Much gouge	10	Tr	.035	.10	"
270-275	Essentially fresh granite (25% altered); some aplite	30	Tr	.010	.07	"
275-280	Essentially fresh granite (10% altered)	30	Tr	.030	.07	"
280-285	Fresh granite; patches of aplite	70	Tr	.040	.06	"
285-290	Fresh granite.	80	Tr	.020	.13	"
290-295	Altered granite to 291; fresh granite with patches of alteration 291-295'	55	Tr	.025	.14	"
295-300	Partially altered granite (60% alt.) to 298', essentially fresh granite 298-300'	50	Tr	.050	.08	"
300-305	Slightly altered granite (25% alt.)	25	Tr	.050	.08	"
305-310	Slightly altered granite (25% alt.). Aplite 308-309½'	90	Nil	———		"
310-315	Fresh granite	95	"	.060	.08	"
315-320	" "	80	"	———		"
320-325	" "	100	"	———		"
325-330	" " , small patches of alteration	95	"	.090	.12	"
330-335	" "	70	"	———		"
335-340	" "	80	Tr	———		"
340-345	" " Aplite 344-345'	50	"	.095	.12	"
345-350	" "	50	"	———		"
350-355	" "	85	"	———		"
355-360	Partially altered granite (60% alt.) to 356½'. Fresh granite 356½-360'	95	"	.070	.09	"
360-365	Essentially fresh granite; very minor alteration	90	Nil			"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
365-370	Partially altered granite (70% alt.) to 366'; aplite 366-370'	75	Tr	———		BX
370-375	Aplite	40	Tr	.050	.11	"
375-380	Mainly fresh granite; patches of alt. granite & aplite	50	Nil	———		"
380-385	Fresh granite. Aplite 381-384'	40	Tr	———		"
385-390	Mainly partially altered granite (70% alt.), patches fresh granite	40	Nil			"
390-395	Fresh granite; minor patches of alteration	40	Nil	.040	.23	"
395-400	" " " " " "	40	Tr	———		"

End of hole at 400 feet

Note: Trace and Nil values of WO3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

All assays are sludge assays.

DIAMOND DRILL HOLE NO. DDH-13

Driller's Notes

Date Start: 3/11/54
Finish: 4/4/54

Driller: Manning
Helpers: Washington, Barkell

Footage	Remarks
0 - 10	Aplite and fresh granite. No sludge.
10- 25	" " " " Milky sludge.
25 - 40	Fresh granite. Grey sludge.
40 - 62	Fresh granite and aplite. Milky sludge.
62 - 69	Fresh granite and aplite; very broken and soft with gouge. Milky sludge.
69 - 75	Fresh granite; harder. Milky grey sludge.
75 - 79	Aplite and gouge. Milky sludge.
79 - 86	Fresh granite with a few altered seams; some sulfides. Milky grey sludge. Hit gouge seam and blocked at 84 ft.
86 - 90	Aplite, milky sludge.
90 -105	Altered granite; sulfides. Blue-grey sludge.
105-110	Some altered granite; very broken with gouge seams. Milky grey sludge.
110-115	Very soft and broken. Gouge. Milky to grey sludge.
115-120	Very soft and broken; some sulfides. Blue-grey sludge.
120-125	Altered granite. Grey sludge.
125-138	Altered granite; soft and gougy. Blue-grey sludge.
138-145	Fresh granite; gouge. Milky sludge.
145-150	Very soft; sulfides. Grey sludge.
150-152	Slightly altered granite. Bluish-grey sludge.
152-154	Aplite and fresh granite. Grey sludge.
154-160	Fresh granite; hard and broken. Milky sludge.
160-168	" " " " " Grey sludge.
168-174	Very hard fresh granite. Milky sludge.

Footage	Remarks
174-188	Very hard fresh granite. Grey sludge.
188-194	Fresh and altered granite with gouge; softer. Milky grey to blue grey sludge.
194-200	Altered granite and gouge. Blue sludge.
200-205	Fresh and altered granite and gouge. Blue sludge.
205-217	Altered granite; gouge; soft and broken. Blue sludge.
217-220	Medium hard altered granite. Blue sludge.
220-224	Hard altered granite and quartz. Blue sludge.
224-235	Altered to fresh granite. Grey sludge.
235-257	Fresh granite. Grey sludge.
257-260	Slightly altered granite. Grey and bluish grey sludge.
260-270	Soft and gougy altered granite. Grey sludge.
270-280	Fresh granite; gouge. Milky sludge.
280-290	Hard r fresh granite; less gouge. Milky sludge.
290-300	Fresh granite; gouge seams. Grey sludge.
300-305	Slightly altered granite. Blue-grey sludge. Hole caving 295-305 ft. Soft and gougy.
305-310	Fresh granite. Harder and not so broken. Some gouge. Grey sludge.
310-330	Fresh granite; hard. Grey sludge.
330-355	Fresh granite; some gouge. Grey sludge.
355-365	Fresh granite; some gouge. Milky grey sludge.
365-400	Fresh granite; some gouge. Milky sludge.
	Last 30 ft. drilled very soft and there were some indications of quite a bit of grey talc and gouge.
	End of hole.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1954 Docket No. DMEA 123[illegible] Contract No. [illegible] 379
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 343 ft.	1,715.00	11,940.00	13,655.00	1715.00		
Bulldozing		4,187.34	4,187.34			
Crosscutting						
Drifting 131 ft.	4,252.26	27,260.40	31,512.66	4252.26		
(2) Labor and Supervision:						
Labor		23,214.25	23,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental		9,550.00	9,550.00			
Purchase		6,720.00	6,720.00			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,304.26	5,304.26			
Sampling and Analysis	223.25	1,554.50	1,777.75	223.25		
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	6,190.51	141,356.68	147,547.19	6190.51	141356.68	147547.19

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

Date 5/28/54 *Payee Bradley Mining Co.

Per G. Olerton Title Assistant Secretary

*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:

$ 4642 88

Signature [illegible] (Authorized Certifying Officer)

Date 6/16/54 Vou. No. 1181

(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 173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/3/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/3/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft	4252.26	131	31,518.66	971	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft			4,187.34	129	32.46)		
~~xxxxx~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~xxxx~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft	1715.00	343	13,655.00	2731	5.00	4000	5.00
~~xxxx~~ Actual	1 ft			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,967.26		130,228.39				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		223.25		2,184.04				
TOTAL COSTS		6,190.51		147,547.19				175,368.00

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

Date 5/28/54 Operator Bradley Mining Co.

Per G. Alston Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

April 10, 1954

DMEA Progress Report for March, 1954

Contract Idm-E 173

Progress - Drifting

Total advance in March was 131 feet, all in 2 Drift-South. The total length of the drift at the end of the month was 1839 feet.

Twenty-four rounds were blasted, resulting in an average advance of 5.46 feet per round. The drift required timbering up to the face at all times; 22 timber sets were installed.

An underground crew of five men worked two shifts per day for twenty-three days. Four days were worked on a single-shift basis with three men.

Progress - Diamond Drilling

Diamond drill hole No. DMA-13 was drilled 343 feet in March from the station cut in 2 Drift-South in February. It is a flat hole, being drilled southeast to a length of 400 feet. The log of the hole will be included with the April report.

Total diamond drilling footage for the month was 343 feet. Average advance for the month was 20.2 feet per machine-shift, including moving and setting up time.

Geology - Drifting

Over half of the distance driven in March was in altered granite carrying rather minor quantities of fine-grained sulfides. The northeast-trending fracture pattern apparent in the drift in January and February continued to be the prevailing structural pattern.

On March 10th a small stringer of scheelite was cut by the drift at 1745 feet, and occasional small stringers and patches of scheelite were encountered during the remainder of the month. Most of the scheelite occurrences are so small and spotty that mapping them is impossible. The erratic scheelite distribution results in an extremely difficult sampling problem -- tungsten assays should be interpreted only as an indication of the presence of scheelite of low grade. Overall, the mineralized zone thus far probably does not average higher than 0.05% WO_3. Antimony and gold values continued to be very low.

Geology - Diamond Drilling

Diamond drill Hole No. DMA-13 cut the altered rock first found in Hole No. DMA-11. However, indications of tungsten mineralization were less promising than in the earlier hole. Sludge samples showed rather widespread low-grade tungsten values, but only at 210 feet was scheelite noted in the core.

The obtaining of representative samples for tungsten determinations is proving to be equally as difficult in the diamond drilling as in the drifting. The high specific gravity of the scheelite and the many fissures in the altered zones combine to segregate out the scheelite carried in the drill water. Therefore, a large part of the scheelite probably never reaches the sludge samples. Incomplete core recovery and the occurrence of some of the scheelite in gouge seams (which naturally do not core) make the core samples unreliable.

Antimony and gold values in Hole DMA-13 were rather low: 0.23% antimony and 0.090 oz/ton gold were the highest assays reported.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW; jm

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail - Contract Idm-E 173

March, 1954

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	131 ft. at $32.46	$4,252.26

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

24	Antimony Assays	at	$1.50	$36.00	
24	Gold Assays	at	$ 0.75	18.00	
6	Tungsten Assays	at	$2.00	12.00	

Diamond Drill Samples

61	Antimony Assays	at	$1.50	91.50	
61	Gold Assays	at	$0.75	45.75	
10	Tungsten Assays	at	$2.00	20.00	223.25

(Above total assaying charge is $154.75 in excess of contract total estimated cost).

Part II - Diamond Drilling

Item 1 - Unit Costs

Diamond Drilling	343 ft. at $5.00	$1,715.00

Form MF-121 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		11,940.00	11,940.00			
Bulldozing						
Crosscutting 26 ft.	843.96	3,343.38	4,187.34			
Drifting 100 ft.	3246.00	24,020.40	27,266.40			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	47.25	1,507.25	1,554.50			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	4,137.21	137,219.47	141,356.68	4137.21	137219.47	141356.68

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3/22/54 *Payee BRADLEY MINING CO.
Per G Orton Title Assistant Secretary

*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:
$ 3102.91
Signature (Authorized Certifying Officer)
Date 4/1/54 Vou. No. 1125
(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 173 in accordance with the terms of the contract.

Signature (S) Stephen W Zoldok Title Mining Engr Date 3/24/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W Zoldok Title Mining Engr Date 3/24/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ME-104A
(Apr. 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1954 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1 ft	3246.00	100	27,266.40	840	32.46	1500	32.46
Crosscutting Unit Cost	1 ft	843.96	26	4,187.34	129	32.46		
~~Raising~~ Drifting, actual	1 ft			37,644.24	1363	27.62		
~~Sinking~~ Cutting, actual	1 ft			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft			11,940.00	2388	5.00	4000	5.00
~~Churn~~ Actual	1 ft			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		4,089.96		124,261.13				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		47.25		1,960.79				
Total Costs		4137.21		141,356.68				175,368.00

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

Date 3/22/54 Operator BRADLEY MINING CO.

Per [signature] Title Assistant Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail - Contract Idm-E 173

February, 1954

PART I -- Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	100 ft. at $32.46	$3,246.00	
Crosscutting	26 ft. at $32.46	843.96	
			$4,089.96

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

21	Antimony Assays at $1.50	$ 31.50	
21	Gold Assays at $0.75	15.75	
			$ 47.25

COPY

BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR

March 10, 1954

DMMA Progress Report for February, 1954

Contract Idm-E 173

Progress - Drifting

Total advance in February was 126 feet: 100 feet in 2 Drift-South, and 26 feet in a diamond drill station. The advance in 2 Drift-South gave it a total length of 1708 feet at the end of the month.

The diamond drill station was cut southeast from near the face of 2 Drift-South. A hole will be drilled from this station in March, so as to cut the tungsten zone found in hole DMA-11.

Twenty-one rounds were blasted in February, resulting in an average advance of 6.00 feet per round. It continued to be necessary to keep the drift timbered up to the face at all times; 22 sets were installed.

A five-man underground crew worked two shifts per day throughout the month. In addition, extra labor was required for nine days to cut mine timbers and haul lagging.

Progress - Diamond Drilling

None in February

Geology - Drifting

2 Drift-South was advanced through granite that was generally fresh except in the vicinity of badly faulted areas where the granite was nearly completely altered.

The northeast-trending fracture pattern mentioned in the report for January continued to be very prominent in the drifting done in February. Most of The shears have a consistent dip to the northwest of 35 to 50 degrees.

Antimony-gold-tungsten values continued to be very low or absent.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace, Assistant Mgr.

KGW/ja

Form MF-194 (Rev.)
April 1953

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

Defense Minerals Administration
Received
MAR 12 1954

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

Month of January 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		11,940.00	11,940.00			
Bulldozing						
Crosscutting		3,343.38	3,343.38			
Drifting 119 ft.	3,862.74	20,157.66	24,020.40			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	45.00	1,462.25	1,507.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	3,907.74	133,311.73	137,219.47	3907.74	133,311.73	137,219.47

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

Date 3/2/54 *Payee Bradley Mining Co.

Per G Morton Title Assistant Secretary

*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:

$ 2930.88

Signature G P Bs
(Authorized Certifying Officer)

Date 3/4/54 Vou. No. 1101
(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. E173 in accordance with the terms of the contract.

Signature /S/ John A Bowsher Title Mining Engr Date 3/2/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldak Title Mining Engr Date 3/4/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 12 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1954 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1'	3,862.74	119	24,020.40	740	32.46)	1500	32.46
Crosscutting Unit Cost	1'			3,343.38	103	32.46)		
~~Raise~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Raise~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'			11,940.00	2388	5.00	4000	5.00
~~XXXX~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,862.74		120,171.17				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		45.00		1,913.54				
TOTAL COSTS		3,907.74		137,219.47				175,368.00

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

Date 3/2/54 Operator Bradley Mining Co.

Per G. Olston Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

February 12, 1954

DMEA Progress Report for January, 1954

Contract Idm-E 173

Progress - Drifting

Drifting was begun on January 3rd from the switch installed in December. The drift is being driven at about South 20° east so as to avoid the bad ground encountered near the face of 2 Drift-South, and so as to provide advantageous locations from which to prospect the tungsten mineralization found in hole DMA-11.

The drift, which will continue to be designated as 2 Drift-South, was advanced 119 feet in January. The total length of 2 Drift-South, measured from survey station No. 318 in the main crosscut, was 1608 feet at the end of the month.

Twenty-one rounds were blasted in January, resulting in an average advance of 5.67 feet per round. It was necessary to keep the drift timbered up to the face; 19 sets were installed.

An electric power failure curtailed underground work for several days, and the heavy timber requirements made it necessary to cut and haul additional mine timbers.

An average of six men worked two shifts per day for twenty-two days, and two men worked on a single shift basis for three days during the power outage.

Progress - Diamond Drilling

None in January

Geology - Drifting

The drift was advanced through altered granite that became increasingly fresh near the end of the month. Antimony-gold values were negligible. The rock was badly fractured and blocky--the strongest and most persistent fractures have a northeast trend.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

January, 1954

Part I -- Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	119 ft. at $32.46		$3,862.74
Crosscutting	None		

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

20 Antimony Assays at $1.50	$30.00	
20 Gold Assays at $0.75	15.00	
		$ 45.00

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Amended Contract Idm-E173, Docket DMEA-1284 (antimony), dated February 27, 1953, with

Bradley Mining Company
323 Crocker Building
San Francisco 4, California

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Yellow Pine and Meadow Creek Mines located in Valley County, Idaho, during the period September 9, 1959, through October 5, 1962.

A certification of discovery or development was issued on July 25, 1956, and, in accordance with Annex IV, attached to and a part of Amendment No. 1 of the Amended Contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated March 6, 1956, indicated accepted costs under the exploration contract amounting to $180,283.72 with the Government's contribution on a 75 percent basis being $135,212.79.

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

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which also found no sales subject to the Government's royalty through September 8, 1959. Accordingly, as of October 5, 1962, the royalty account of this project was found to be:

Total Royalty Payable	$ -0-
Total Royalty Paid	-0-
Balance of Royalty Due	$ -0-

E. D. Talbert

E. D. Talbert, OME Auditor

October 11, 1962

STATUS OF PROJECT, SCOPE OF REVIEW AND REASONS THEREFOR

This contract as amended provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all concentrates resulting from mineral production from the land under the contract. The land under the amended contract consists of 6 patented and 16 unpatented claims in secs. 10, 11, 14, and 15, T. 18 N., R. 9 E., Boise Meridian, Central Area, Yellow Pine Property. The amended contract recites that the Operator is the owner of the property, subject only to a 5% royalty payable to United Mercury Mines, Inc., whose subordination agreement is attached. No such agreement, however, is attached to the contract. The so-called "abandonment" provision of the contract form was deleted by Amendment No. 1.

Exploration work under the contract was completed during November 1955. No minerals were produced during the exploration period. Subsequent examinations of the property and inquiries by DMEA and OME regional representatives disclosed no mining activities through September 8, 1959. Mine, mill, and smelter equipment on the property was dismantled and sold.

In an October 5, 1962, reply to a MME Form 63 inquiry, the Operator's Secretary advised that neither production nor change in property status had occurred since September 8, 1959.

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

(1) The files indicate that no minerals have been produced since the date of the contract; and

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

OCT 1 5 1962

Memorandum

To: Acting Field Officer, Region I

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

Subject: DMMA-1284 (Antimony)
Bradley Mining Company
Yellow Pine Mine
Valley County, Idaho
Amended Contract Idm-E173

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

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

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

Enclosures

EDTalbert/ama 10-12-62

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Amended Contract No. Idm-E173, Docket No. DMEA-1284 (Antimony), dated February 27, 1953, with

Bradley Mining Company
425 Crocker Building
San Francisco, California

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Yellow Pine Mine located in Valley County, Idaho, during the period February 27, 1953, through September 8, 1959.

A certification of discovery or development was issued on July 25, 1956, and, in accordance with Amendment No. 1 and Annex IV of the contract royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of final cost audit dated March 6, 1956, indicated accepted costs under the exploration contract amounting to $180,283.72 with the Government's contribution, on a 75 percent basis, being $135,212.79.

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

(1) The mine has not been operated since completion of the exploration;
(2) Semi-annual reports by representatives of the Field Team, Region I, and other documents in the files do not disclose any production or sales of minerals from this property subject to Government royalty during the exploration period of subsequent thereto; and
(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible royalty which might be disclosed.

The review has indicated that there has not been any production since February 27, 1953, from the land described in Article 2 of the amended contract and no royalty is due the Government.

C. E. Fisher
C. E. Fisher, OME Auditor

September 16, 1959

OME Form 22
April 1959

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name Bradley Mining Company

Address 1022 Crocker Building

San Francisco 4, California

Exploration Contract No. Idm-E173 Docket No. DMEA-1284

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

Property inactive.

September 8, 1959
Date

S. W. Zoldok
Mining Engineer
S. W. Zoldok

53362

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

RECEIVED
MAR 22 1956

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REPORT OF REVIEW

I have reviewed the Monthly Reports of:

The Bradley Mining Co.
Crocker Building
San Francisco 4, California

pertaining to Exploration Project Contract No. Ida-2173, Docket No. DMA-1284X, dated October 9, 1951, including Amendments Nos. 1 to 7, inclusive, and Amended Contract No. Ida-2173, Docket No. DMEA 1284, dated February 27, 1953, including Amendment No. 1, for the period of October 9, 1951 to November 27, 1955, covering a project for the exploration of antimony on property known as the Yellow Pine Mine, located at Stibnite, Valley County, State of Idaho.

My review included an examination of the Monthly Reports (Forms MP-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Government representative who visited and examined the project, and a determination of the reasonableness and propriety of the costs.

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

(a) The accepted costs ($97,324.19) of most of the work on an actual cost basis were covered by an Interim Audit Report and Certificate, dated November 5, 1953, issued by Robert N. Hull, DMEA Auditor;
(b) the Monthly Reports claiming additional costs ($1,591.50 for assays) on actual cost basis were supported by documentary proof; and
(c) the balance of the costs accepted ($86,918.10) were under a contract provision for payment by the Government on the basis of agreed unit costs for 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		$186,158.39
Less proceeds from property disposition		5,559.07
Net Cost as Claimed by Contractor		$180,605.32
Exceptions: (Schedule attached)		
By DMEA Finance Officer	$ None	
Herewith	324.60	324.60
Total Accepted Cost		$180,283.72

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 One hundred thirty five thousand two hundred twelve and 79/100 Dollars

--$135,212.79--

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

G. A. Turner
G. A. Turner, Auditor

March 6, 1956

Schedule of Proceeds from Property Disposition

Bradley Mining Co. DMEA 1284 Idm-E173

The Bradley Mining Co., by letter dated February 6, 1956, made an offer of $5,550.07 for the remaining equipment and supplies to be salvaged, which was accepted by letter dated February 27, 1956, from the Operating Committee to the Executive Officer, DMEA Field Team, Region I, N. W.

Property to be Salvaged

1	10 KW Hertner Generator Set, Serial No. 63535A-B	$1,488.99
1	Edison Storage Battery - 80 cells	4,811.01
2	Jackhammers, Serials 676942 and 676738, and 1 Jackleg	943.00
10	Standard Ore Cars	2,315.00
1	Water System and pipe and fittings	1,081.11
2656	Feet 10", 12" and 15" Vent Pipe	1,523.89
6020	Feet Pipe and fittings, 3/4" to 3"	2,213.50
6080	Feet 20# Rail and Accessories	2,521.34
1	Electric Water Heater	96.50
1	Compressor House	3,500.00
	Total Cost	$20,494.34
	Salvage Value	5,550.07
	Net Cost to Project	$14,944.27

* * * * * *

Schedule of Exceptions

Phase II, Stage I

Footage Claimed by Contractor	410 ft. @ $32.46	$13,308.60
Maximum Allowed by Contract	400 ft. @ $32.46	12,984.00
Disallowance - Footage claimed in excess of amount allowed by the contract	10 ft. @ $32.46	$ 324.60

C. A. Turner, Auditor

March 6, 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division Street
Spokane 2, Washington

March 20, 1956

RECEIVED
MAR 22 1956

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

Re: Report of Review
Idm-E173, DMA 1284X
The Bradley Mining Co.

Dear Mr. Chambers:

I have reference to your letter of March 12, 1956 pertaining to the disallowance made for the excessive drifting costs of Phase II, Stage I, of the contract.

The Operator on his June 1954 Form MF-104 claimed under Phase I of the contract 132 feet of drifting @ $32.46 per foot, or $4,284.72. This footage was found by the examining engineer W. S. Anderson, U. S. Bureau of Mines, to be excessive due to an error in measurement. A deletion of 29 feet @ $32.46, or $941.34, was made on the June 1954 Form MF-104.

The Operator during March 1955 while engaged in Phase II, Stage I, of the work, also completed 17 feet of the footage which had been disallowed in June 1954. The footage claimed on the March 1955 Forms MF-104 and MF-104A included the 17 feet. However, the Operator made no distinction between the Phase I and Phase II footages on his claim. The Operator's March 1955 Progress Report shows the total advance (which would be Phase II, Stage I, of the work) to be 110 feet.

To summarize:

Footage claimed December 1954 to April 1955, inclusive	427 feet
Deduct Phase I footage	17 feet
Total for Phase II, Stage I	410 feet
Authorized by contract, Phase II, Stage I	400 feet
Disallowance	10 feet

A portion of the correspondence regarding this incident is attached.

Sincerely yours,

C. A. Turner, Auditor

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

1201 N. Division St.
Spokane 2, Washington
August 6, 1954

RECEIVED
MAR 22 1956

C
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MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Units of work completed, Bradley Mining Company, Yellow Pine Mine, Valley County, Idaho, Contract No. Idm-E173, Docket No. DMEA 1284 (antimony)

As of July 31, 1953 the Operator had submitted as work completed, under the unit cost amendment, 621 feet of drifting and 90 feet of crosscutting. The face of the drift as of this date was 6' southeast of Station 336.

The drifting and crosscutting completed, as submitted by the Operator, from July 31, 1953 to January 31, 1954, is as follows:

August 1953	MF-104	-	13' of crosscutting
January 1954	MF-104	-	119' of drifting

The drift face as of January 31, 1954 was at Station 336 + 119 feet for an advance of 112 feet during the period. Thus the footage as submitted by the Operator is 20 feet in excess of work actually completed during the period under discussion.

In the February MF-104 the Operator submitted as completed 26 feet of crosscutting for a diamond drill station at Station 341 in 2 drift south. The actual advance in which the Government should participate would be 20 feet.

As of May 31, 1954 the Operator had submitted as completed 63' of drifting in 4 drift south. Actual drifting completed was 60 feet.

The total drifting and crosscutting as submitted by the Operator is 29 feet in excess of actual work completed. Therefore, as the drifting and crosscutting is on a unit cost basis, the sum of $941.34 for 29 feet of drifting and crosscutting at a unit cost of $32.46/ft. should be deleted from the costs as submitted on the MF-104 for June 1954.

This discrepancy in footage was noted in my memo of July 27, 1954.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD

W. S. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.~~C.
1201 N. Division St.
Spokane 2, Washington

RECEIVED
MAR 22 1956

C
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November 1, 1954

Bradley Mining Company
Stibnite, Idaho

Re: Docket DMEA 1284I
Contract Idm-E173
Monthly Operating Report
for June 1954

Gentlemen:

The subject monthly operating report has been processed and forwarded to the Disbursing Officer in Portland, Oregon, for payment.

This is to inform you that payment could not be made in the full amount claimed. The amount deleted is explained in the attached copy of a memorandum to the Field Team from the DMEA Certifying Officer, Region II.

By Field Team, Region II

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (2)
USGS (2)
Engr.
AD

RECEIVED
MAR 22 1956

DMEA Field Team, Region II

November 2, 1954

DMEA Certifying Officer, Region II

Contract Idm-E173, Bradley Mining Co.
Monthly Operating Report for June 1954

The subject report has been received and processed for payment.

The Operator submitted a claim for $4,352.22. From this amount $941.34 has been withheld which represents 29 feet of drifting at $32.46 per foot. This amount has been withheld on the recommendation of the DMEA engineer assigned to the project who wishes to check the drift footage completed before approving payment for the entire 1500 feet of drifting allowed by the contract.

As soon as these measurements have been checked by Mr. Anderson, the Operator may reclaim the amount deleted if Mr. Anderson's measurements agree with the footage claimed by the Operator.

Myrtle Purdy

cc: DMEA (2)
USGS (2)
Anderson
AD

COPY

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

RECEIVED
MAR 22 1956

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1201 N. Division St.
Spokane 2, Washington
April 1, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 1284 (antimony)
Bradley Mining Co., Yellow Pine Mine, Valley County, Idaho,
Contract No. Idm-E173

The Yellow Pine mine was visited March 30, 1955, accompanied by Willard Puffett, geologist, Geological Survey. Mr. Ben Mahoney, general manager, and Mr. K. G. Wallace, engineer and assistant general manager, accompanied the examining team on an inspection of the work completed under the contract.

A 105-ft. raise has been driven from station 347 on a bearing of N. 61° W. on an inclination of + 65° to 70°. USBM tag #416 was placed 1.5 feet below station 347 and is 7 feet above the sill of 4 drift south. The advance was measured from USBM tag #416.

A crosscut was driven 54 feet on a bearing of N. 81° W. to intersect the ore zone. USBM tag No. 417 was placed on a cap in the crosscut at the head of the raise. The tag was placed below spad #350. At USBM tag #417 plus 46 feet B #1 drift north was driven 53 feet on a bearing of N. 1° E. Drift B #1 south was driven 105.5 feet on a bearing of S. 15° E. A 10-ft. crosscut was driven to the west 20 feet back from the face of the B #1 drift south.

Total work completed under Amendment No. 1 to the Amended Contract is as follows:

Raise	105 feet
Crosscut	64 "
Drift	158.5 "

The Operator is driving the B #1 drift south as a slusher drift on two shifts. Average advance is 5 feet per shift. A slusher ramp is now being installed approximately 25 feet back from the face of the B #1 drift south. Track will be laid from the raise to the slusher ramp.

RECEIVED
MAR 22 1956

Three diamond drill holes were driven from a station at the head of the raise. DDH #DMA 22 was drilled 90 feet on a bearing of N. 83° W. at an inclination of plus 58°. DDH #DMA 23 was drilled 50 feet at an inclination of plus 2° on a bearing of S. 79° E. DDH #DMA 24 was drilled 73 feet on a bearing of S. 32° W. at an inclination of plus 39°.

The deletion of 29 feet of drifting and crosscutting as recommended in my inspection report of August 6, 1954 was discussed with Mr. Wallace. Additional work which had been completed was checked and included 4 feet of crosscut at spad #311 for a diamond drill station. DDH #DMA 6 was drilled from this station. Also, 9 feet of crosscut was completed at spad #329 + 22' for a diamond drill station. The Operator had been measuring his crosscuts from the spads in the center of the drifts, which accounted for the additional footage submitted on his MF-104's. The Operator's maps were checked against the footage as measured on the inspection trip of July 13 and 14, 1954. It was agreed between the Operator and the Field Team representatives that, including the additional 13 feet for the two diamond drill stations as above mentioned, the Operator should be paid for 1,488 feet of drifting and crosscutting under the Amended Contract. Therefore, all but 12 feet of the footage deleted should be reinstated for payment.

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

RECEIVED
MAR 22 1956

C
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So. 157 Howard Street
Spokane 4, Washington

April 11, 1955

Mr. Keith Wallace
Assistant Manager
Bradley Mining Company
Stibnite, Idaho

Re: Docket No. DMEA-1284 (antimony)
Yellow Pine Mine
Valley County, Idaho
Contract No. Idm-E173

Dear Mr. Wallace:

This letter is to confirm the telegram that was sent you April 4 in which Stage II of Contract Idm-E173 (amended) was authorized.

The evidence exposed by the exploration completed to date strongly suggests that antimony-gold ore in the present DMEA workings might represent the lower extension of a minable ore zone, raking to the north, paralleling other ore zones which were mined in the Meadow Creek Mine. It is believed that 100 feet of additional raising plus 300 feet of drifting from the top of the new raise, as discussed with you by Anderson and Puffett, is the most logical method to continue the exploration under Stage II of the amended contract.

We will appreciate being advised as soon as possible concerning the extensions of ore to the south on the present "B" level, which is to be explored by the 73 feet of drifting remaining under Stage I of the amended contract.

Mr. Anderson states that on your next monthly report you can reclaim all but 12 feet of the 29 feet of drifting that was formerly deleted under Contract Idm-E173.

By Field Team, Region I, NW District

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: Bradley Mining Co.
1022 Crocker Building
San Francisco 4, California

DMEA (2)
USBM (2)
USBM (AD)
Puffett

BRADLEY MINING CO.

Stibnite, Idaho

RECEIVED
MAR 22 1955

DMEA Contract Idm-E 173

March 1955

Supporting Detail

Under Item 1 - Drifting:

Drifting done in March, 1955

99 feet at $32.46	$3,213.54
Drifting deleted from monthly operating report for June, 1954. Reclaimed now after measurements were checked by Mr. Anderson, DMEA engineer (per letter of April 11, 1955, from DMEA Field Team, Region I, NW District)	
17 feet at $32.46	551.82
Total Item 1 - Drifting	$3,765.36

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

MAR 23 1956

Mr. Charles A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Report of Review
IMa-E173, DMA-126(I
Bradley Mining Co.

Dear Mr. Turner:

Receipt is acknowledge of your revised Report of Review covering the above-cited project.

The Report is acceptable and normal distribution may be effected.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

WBorovies/wb
March 23, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers

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

MAR 12 1956

Mr. Charles A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Report of Review
Idm-8173, DMA-1284X
The Bradley Mining Co.

Dear Mr. Turner:

Your recently submitted Report of Review in lieu of a final audit covering the referenced project is returned herewith for such revisions as may be indicated by a further examination in consideration of the comments which follow.

In reason (c) in the third paragraph of the report it appears that either the word "claimed" should be changed to "accepted" or the amount of $86,918.10 should be changed to $87,242.70. As presented the amounts given in the three reasons for the review do not agree in total with either the claimed costs or accepted costs shown in the factual data of the fourth paragraph.

Your report indicates an exception of $324.60, which is explained in an attached schedule as being the costs claimed for 10 feet (of drifting, crosscutting and raising at $32.46 per foot) in excess of the maximum of 400 feet authorized for Phase II of Stage I. However, an examination of the Forms MF-104A for the period of this phase (December 1954 to April 1955, inclusive) indicates that the Operator has claimed costs for Phase II work as follows:

252 ft.	Drifting	@	$32.46	$ 8,179.92
71 ft.	Crosscutting	@	$32.46	2,304.66
104 ft.	Raising	@	$32.46	3,375.84
427 ft.	Totals claimed			$13,860.42

This indicates that the disallowance possibly should be stated as $876.42 for an excess of 27 feet rather than $324.60 for an excess of 10 feet.

A schedule of property proceeds attached to your report lists the acquisition costs in amounts at variance with the costs shown in the Interim Audit Report. A comparative listing follows:

Property	Cost Per Review	Cost Per Audit
1 Generator Set	$1,488.99)	$ 6,300.00
1 Storage Battery	4,811.01)	
2 Jackhammers	730.00)	943.00
1 Jackleg	195.00)	
10 Ore Cars	2,315.00	2,315.00
1 Water System	1,057.75)	1,177.61
1 Water Heater	96.50)	
Vent Pipe	1,523.89)	3,737.39
Pipe & Fittings	2,172.10)	
Rail & Accessories	2,506.88	2,521.34
1 Compressor House	3,500.00	3,500.00
Totals	$20,397.12	$20,494.34

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
March 12, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers

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

Feb. 27, 1956

Mr. A. E. Weissenborn
Executive Officer, DMEA Field Team
Northwest District, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-1284 (Antimony)
Contract No. Idm-E173
Bradley Mining Company
Yellow Pine Mine
Valley County, Idaho

Dear Mr. Weissenborn:

Reference is made to your letter of February 13, 1956, enclosing two bids on equipment in which the Government has an interest.

The Bradley Mining Company's bid of $5,550.07 for the equipment listed, on an as-is, where-is basis, appears to be the best price obtainable. You are hereby authorized to accept the amount of $4,162.55 for the Government's 75 percent interest in the equipment.

Sincerely yours,

sgd. George C. Selfridge

Chairman, Operating Committee

APPROVED:

/s/ Robert W. Geehan
USBM

/s/ Thor H. Kiilsgaard
USGS

C O P Y

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

Mr. Charles A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

FEB 17 1956

Re: Bradley Mining Company
Contract No. Idm-3173
Docket No. DMEA-1284

Dear Mr. Turner:

By letter dated February 13, 1956, you request advice as to the allowance of assay costs in the amount of $1,591.50 under the referenced contract and, also, as to the justifications for a Report of Review in lieu of a final audit.

Inasmuch as the Field Team specifically authorized the additional costs for assays as a change to the contract estimates for contingencies and the estimate for assaying was not designated as an allowable maximum, such costs appear to be allowable provided that they are supported by adequate documentation.

Justifying reasons for a Report of Review, in lieu of a final audit, should be similar to the following:

(a) the accepted costs ($97,324.19) of most of the work on an actual cost basis were covered by an Interim Audit Report and Certificate, dated November 5, 1953, issued by Robert N. Hall, DMEA Auditor;

(b) the Monthly Reports claiming additional costs ($1,591.50 for assays) on an actual cost basis were supported by documentary proof; and

(c) the balance of the costs claimed ($_____) were under a contract provision for payment by the Government on the basis of agreed unit costs for work actually performed.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

EDTalbert/wb
February 16, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division Street
Spokane 2, Washington
February 13, 1956

RECEIVED
FEB 16 1956

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

Re: Bradley Mining Co.
Contract No. Idm-E173
Docket No. DMEA ~~2635~~
1284

Dear Mr. Chambers:

This will acknowledge your letter of February 6, 1956 having reference to the Bradley contract No. Idm-E173. A report of review will be made on this contract in which Mr. Hull's interim audit report will be accepted.

However, I am wondering if the justifications given in your letter are sufficient, because I notice a portion of the costs claimed subsequent to Mr. Hull's audit are on an Estimated Actual Cost Basis.

The amended contract dated February 27, 1953 provides estimated actual costs as follows:

4. Operating Equipment To be purchased	$4,950.00
7. Miscellaneous Assays	1,623.00
8. Contingencies	2,737.00
	$ 9,310.00
Plus Unit Costs	68,690.00
Total Costs	$78,000.00

Amendment No. 1 to the amended contract, page 3, Summary of Estimated Costs of the Project includes the $78,000.00 in the summary.

The Operator's November 1955 MF-104 includes a claim for assays, $2,507.25, of which $1,591.50 was claimed since Mr. Hull's audit. The Field Team by letter dated June 3, 1954 to the Certifying Officer

authorized payment of the assays in excess of $1,623.00 as follows, quote, "The money to cover these costs may be taken from the fund for Contingencies, which is an estimated amount of $2,737.00".

If you find that the costs claimed for assays is an allowable cost, will you please advise as to the justifications required for a report of review?

Yours very truly,

C. A. Turner, Auditor

w

January 19, 1954

DMEA Progress Report for December, 1953

Contract Idm-E 173

As in November, no drifting or diamond drilling was done in December, and no costs are reported for the month.

Seven men worked full time on the project in December. By the end of the month timbering had been caught up, replacing of air and water pipe had been completed, and a switch had been installed. Forty-six timber sets were installed.

The switch was installed about sixty-five feet north of the face of 2 Drift-South, away from the badly caving area near the face. The drift will be driven somewhat east of south from the switch, so as to avoid the bad ground to the south.

BRADLEY MINING CO.

B. F. Mahoney

B. F. Mahoney, Manager

BFM/ja

Defense Minerals Administration

December 11, 1953

DMEA Progress Report for November, 1953

Contract Idm-E 173

No drifting or diamond drilling was done in November. As the contract is on a unit cost basis, no costs are reported for the month.

In preparation for the coming winter's underground work a crew of three to five men devoted full time the first half of the month to cutting and hauling mine timbers, and to hauling lagging and other supplies to the project area. On November 18, underground work started. This work consisted of replacing air and water pipe with pipe of larger diameter (to insure sufficient air and water at the working face in 2 Drift-South), and to timbering extensive sections of the drift that had become hazardous. On November 24th the timbering was put on a two-shift basis, and by month's end seven men were working on the project.

Fourteen timber sets were installed and an additional seven stull timbers were placed.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 190 ft.	950.00	10,990.00	11,940.00			
Bulldozing						
Crosscutting		3,343.38	3,343.38			
Drifting		20,157.66	20,157.66			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	85.25	1,377.00	1,462.25			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	1,035.25	132,276.48	133,311.73	1035.25	132,276.48	133,311.73

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

Date 12/29/53 *Payee Bradley Mining Co.

Per F C Orton Title Assistant Secretary

*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:

$ 776.44

Signature [illegible]
(Authorized Certifying Officer)

Date 1/6/54 Vou. No. 1030
(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. E173 in accordance with the terms of the contract.

Signature /S/ John A. Bowsher Title Mining Engr Date Jan 5-1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr Date Jan 6-1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft			20,157.66	621	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft			3,343.38	103	32.46)		
~~Raising~~ ~~XXXX~~Drifting, actual	1 ft			37,644.24	1363	27.62		
~~Shafts~~ ~~XXXX~~ XCutting, actual	1 ft			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft	950.00	190	11,940.00	2388	5.00	4000	5.00
~~XXXX~~ Actual	1 ft			3,496.12	1281	2.73		
Auger								
Stripping					3669			
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		950.00		116,308.43				
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		85.25		1,868.54				
TOTAL COSTS		1,035.25		133,311.73				175,368.00

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

Date 12/29/53 Operator Bradley Mining Co.

Per G Alston Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

December 11, 1953

DMEA Progress Report for October, 1953

Contract Idm-E 173

Progress - Drifting

No drifting was done in October. It is planned to resume underground work in November. However, long sections of 2 Drift-South will have to be timbered before the drift can be driven ahead -- it is estimated that drifting should begin again early in January, 1954.

Progress - Diamond Drilling

Diamond drill hole DMA-12, drilled 114 feet in September, was completed to a length of 304 feet in October. This is the final hole we plan to drill until additional drifting to the south has been completed. Hole DMA-12 was a flat hole drilled due west from 2 Crosscut-West.

Total diamond drill footage for the month was 190 feet.

Geology - Diamond Drilling

Hole DMA-12 cut the Meadow Creek fault and several rhyolite and lamprophyre dikes. Briefly, the rock types were as follows:

0 - 7	feet	Fault
7 - 8		Lamprophyre dike
8 - 10		Fault
10 - 12		Lamprophyre dike
12 - 14		Fault
14 - 38		Rhyolite dike
38 -105		Completely altered granite
105-163		Rhyolite dike
163-195		Completely altered granite (fault)
195-245		Rhyolite dike
245-285		Completely altered granite. Brecciated.
285-292		Lamprophyre dike
292-304		Fresh granite

Antimony and tungsten values were consistently very low. Small amounts of scheelite were occasionally detected in the sludges--the highest tungsten assay was from 10 to 15 feet: 0.13% WO_3.

BRADLEY MINING CO.

K. G. Wallace, Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

Contract Idm-E 173

October, 1953

Part I -- Drifting and Crosscutting

Item 1 - Unit Costs		None
Item 7 - Miscellaneous		
Sampling and Analysis		
Diamond Drill Samples		
37 Antimony Assays at $1.50	$55.50	
37 Gold Assays at $0.75	27.75	
1 Tungsten Assay at $2.00	2.00	
		$ 85.25

Part II -- Diamond Drilling

190 ft. at $5.00	$950.00

Form [illegible]104 (Rev.)
(Apr. 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September 1953 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 1,003 ft.	5,015.00	5,975.00	10,990.00			
Bulldozing						
Crosscutting		3,343.38	3,343.38			
Drifting		20,157.66	20,157.66			
(2) Labor and Supervision:						
Labor		28,214.25	28,214.25			
Supervision		5,915.91	5,915.91			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,735.40	6,735.40			
Pipe		3,737.39	3,737.39			
Track		2,521.34	2,521.34			
Other		8,416.35	8,416.35			
Power		791.36	791.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment		5,384.26	5,384.26			
Sampling and Analysis	461.25	915.75	1,377.00			
Payroll Taxes		932.60	932.60			
Liability Insurance		2,552.75	2,552.75			
Ventilation		406.29	406.29			
(8) Contingencies (specify):						
TOTALS	5,476.25	126,800.23	132,276.48	5476.25	126,800.23	132,276.48

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

Date 12/29/53 *Payee Bradley Mining Co.

Per G Alston Title Assistant Secretary

*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:

$ 4107 19

Signature [illegible]
(Authorized Certifying Officer)

Date 1/6/54 Vou. No. 1030
(See other side)

Totals previously reported correspond with distribution on Mr. Hull's audit dated 11/5/53.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 173 in accordance with the terms of the contract.

Signature /S/ John A Bowsher Title Mining Engr Date Jan 5-1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Goldok Title Mining Eng Date Jan 6-1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 1284-X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft.			20,157.66	621	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft.			3,343.38	103	32.46)		
Raising xxxx Drifting, actual	1 ft.			37,644.24	1363	27.62		
Shafts xxxx Cutting, actual	1 ft.			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft.	5,015.00	1003	10,990.00	2198	5.00	4000	5.00
Churn xxxx Actual	1 ft.			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								Total Costs Authorized by Contract
Total Distributed Costs		5,015.00		115,358.43				
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation		461.25		1,783.29				
Total Costs		~~2,140.98~~ 5,476.25		132,276.48				175,368.00

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

Date 12/29/53 Operator Bradley Mining Co.

Per G. Orton Title Assistant Secretary

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

December 2, 1953

DMEA Progress Report for September, 1953

Contract Idm-E 173

Progress - Drifting

None in September

Progress - Diamond Drilling

Diamond drill hole DMA-9, drilled 5 feet in August, was completed to a length of 275 feet in September. It was a flat hole drilled due west from 2 Drift-South.

Hole DMA-10 was drilled southeast from the "gold zone" in 2 Drift-South. It was a flat hole, 138 feet long.

Hole DMA-11 was a flat hole drilled southeast from near the face of 2 Drift-South. The length of the hole was 481 feet.

Hole DMA-12 was drilled 114 feet in September and completed in October. It is a flat hole bearing due west from 2 Crosscut-West.

Total diamond drill footage for the month was 1,003 feet.

Geology - Diamond Drilling

Drill hole DMA-9 was collared in rhyolite and was in rhyolite to 17 feet. Rhyolite dikes were also cut from 30 to 36 feet and from 80 to 126 feet. Mixed and brecciated rhyolite and lamprophyre was drilled from 134 to 136 feet. Between the rhyolite dikes was altered granite, brecciated in places. The main part of the Meadow Creek fault was cut from 126 to 220 feet. From 220 feet to the end of the hole the rock was partially altered granite, with fresh granite in the last ten feet. No values of any significance were found in the hole.

Hole DMA-10, drilled southeast from the "gold zone", confirmed the narrow limits of the gold-antimony mineralization. Values were poor throughout the hole, with the first 5 feet having the highest assays (0.055 oz/ton gold and 0.10% antimony). Low-grade gold mineralization continued to 57 feet (average 0.022 oz/ton). From 57 feet to the end of the hole the rock was fresh granite.

Hole DMA-11, drilled southeast from near the face of 2 Drift-South, was probably the most encouraging hole yet drilled from the DMA

Tunnel. A wide zone of low-grade scheelite mineralization was cut from 320 to 450 feet. For most of this distance the tungsten values are little better than traces; however, one section stands out as being of particular interest. Sludge and core samples for this thirty foot section assay as follows:

Footage	% WO3 Core	% WO3 Sludge
410-415	1.56	0.22
415-420	0.01	0.31
420-425	0.05	0.02
425-430	0.32	0.08
430-435	0.19	0.03
435-440	0.01	0.06

Inspection of the core leads to the conclusion that more reliance should be placed on the core samples than on the sludge samples. Insufficient washing of the hole between drill runs may have produced erroneous sludge samples.

The scheelite zone was cut by Hole DMA-11 some 350 feet east of the Meadow Creek fault. There exists the very real possibility that tungsten values will increase where the zone intersects the Meadow Creek fault -- this will be tested as 2 Drift-South is driven southward. The drill hole intersected the scheelite mineralization approximately 750 feet vertically below the surface, and about 1500 feet horizontally from the surface.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

FIRST INTERIM
AUDIT REPORT

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

INTERIM AUDIT CERTIFICATE

I have examined the records and transactions of

Bradley Mining Company
425 Crocker Building
San Francisco 4, California
and
Stibnite, Idaho

pertaining to Exploration Contract No. Idm-3173, Docket No. DMA-1284X dated October 9, 1951, and Amendments 1 (Acting Executive Officer letter Nov. 5, 1953), 2, 3, 4, 5, 6, and 7, and Amended Contract dated February 27, 1953, covering a project for the exploration of antimony, located in Valley County, Idaho, commonly known as the Yellow Pine Mine, for the period of October 24, 1951 to August 31, 1953.

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

The audit disclosed the following facts in regard to the amount to be paid the contractor.

Total costs as billed by Contractor		$126,816.60
Exceptions: (see Audit Report for details)		
Prior to this audit	$16.37	
During this audit	None	16.37
Total accepted cost		$126,800.23

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor in the amount of Ninety Five Thousand One Hundred and 17/100 Dollars

$95,100.17

is valid and proper.

This certificate is issued on the provision 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.

Robert M. Hull
Robert M. Hull
Auditor

November 5, 1953

AUDIT REPORT

I INTRODUCTION

During the month of October 1953, an interim audit (covering operations for the period of October 24, 1951 to August 31, 1953) was made of the records and accounts pertaining to Exploration Project Contract No. Idm-E173, Docket No. DMA 1284X, dated October 9, 1951, and Amendments Nos. 1 (Acting Executive Officer letter dated Nov. 5, 1953), 2, 3, 4, 5, 6, and 7, and Amended Contract dated February 27, 1953, with the

Bradley Mining Company
425 Crocker Building
San Francisco 4, California
and
Stibnite, Idaho

covering a project for the exploration of antimony, located in Valley County, Idaho, commonly known as the Yellow Pine Mine.

The accounting records covering the performance of this contract are maintained in the Company's office at the mine site, Stibnite, Idaho. The work under the prior contract covered the period of October 24, 1951 to February 28, 1953, and the work under the amended contract began on March 1, 1953.

Mr. B. F. Mahoney, Manager, Mr. Keith Wallace, Assistant Manager, and Mr. Arnold Souders, Chief Clerk, were consulted and their cooperation greatly facilitated the audit.

II GENERAL INFORMATION ON RECORDS

The accounting records for this project are completely integrated through an apparently modern and comprehensive system, with the general accounts covering other operations of the Bradley Mining Company. All charges to the project were identified by a code symbol. A separate set of records was

not maintained for the exploration project. A voucher check system was in effect with the payments being made by checks signed by B. F. Mahoney, Manager, and Mr. Arnold Souders, Chief Clerk. The duplicate copy of the check is attached to the voucher and maintained in the mine office. The original cancelled check is maintained in the Company's head office in San Francisco, California. A monthly work sheet consolidating all charges to the project forms the basis for the preparation of the monthly Form MF-104.

III SCOPE OF AUDIT AND FINDINGS

The audit was limited to ascertaining the accuracy, propriety, and validity of the costs as shown in the "Totals to Date" column of the Form MF-104, Operator's Monthly Report and Voucher, for the month of August 1953, as evidenced by original invoices, payrolls, time records, and other original documents. The findings, after analysis and correction of distribution of costs follow:

(1.) Agreed Unit Costs Under the terms of the Amended Contract the Operator was authorized to do the following work at agreed unit costs per foot of work actually performed in lieu of actual costs.

Diamond drilling 4,000 feet @ $5.00/ft.	$20,000.00
Drifting and crosscutting, 1,500 ft. @ $32.46/ft.	48,690.00
	$68,690.00

The Operator started work on an agreed unit cost basis effective March 1, 1953, and the costs properly chargeable and allowable under this item were found to be:

Drifting 621 ft. @ $32.46	$20,157.66
Crosscutting 103 ft. @ $32.46	3,343.38
Diamond drilling 1195 ft. @ $5.00	5,975.00
	$29,476.04

(2) Labor and Supervision

A detailed analysis of the payrolls were made and the computations were checked for the months of December 1951, January, March, April, and September, 1952, and January and February, 1953. A spot check of the individual daily time records was made for the same period. A spot audit was made of the check register to verify the payments. The hourly rates paid employees were not in excess of the maximums specified in the contract and Amendment No. 1 for labor and supervision. The audit disclosed that during the period of October 24, 1951 through May 31, 1952, the payroll taxes and liability insurance were included with "Labor and Supervision". The following sums have been placed under Item (7) Miscellaneous, Payroll Taxes and Liability Insurance:

	Payroll Taxes	Liability Insurance
Labor	$295.80	$793.83
Supervision	76.82	210.50
	$372.62	$1,004.33

The Certifying Officer made a deletion of $10.00 from Supervision due to a mathematical error in the payroll, and as yet the Operator has not adjusted his records to reflect this change. At the same time deletions were made from the Payroll Taxes and Liability Insurance.

The Operator claimed a total of $3,600.00 for Technical Services at the rate of $300.00 per month as provided for in Amendment No. 1. This item covered engineering and accounting services.

The following charges are applicable and allowable under this item of cost:

Labor	$28,214.25
Supervision	5,915.91
Technical Services	3,600.00
Total	$37,730.16

(3) Operating Materials and Supplies

A detailed audit was made of all items chargeable to this category of costs, and the following summarizes the findings resulting from the examination of vouchers, invoices, warehouse stock record cards and the check register.

	Charged	Acceptable
Timber	$5,345.78	$ 5,345.78
Explosives	6,638.90	6,735.40
Pipe, Vent-Tube and fittings	742.60	3,737.39
Track and accessories	1,139.69	2,521.34
Repair parts	1,213.90	
Power		791.36
Other:	12,889.29	
Lubricants		4,227.08
Carbide bits		2,430.05
Drill steel		827.75
Small tools		355.57
Miscellaneous		575.90
	$27,970.16	$27,547.62

The item of Repair Parts ($1,213.90) has been transferred to Item (7), Miscellaneous, Repairs to Equipment. The item of Power has been transferred from Item (8), Contingencies, to Operating Materials and Supplies. The total accepted cost for Operating Materials and Supplies is $27,547.62.

Power consisted of electricity purchased from the Idaho Power Company. There is a master meter through which all current passes and from which the monthly power bill is calculated. In addition there are individual meters for the various projects, including one for the DMEA. The total monthly bill is divided into the total number of KW hours in order to obtain the unit cost per KW. After the reading is taken on the DMEA meter this figure is used in computing the cost for the DMEA project. The audit has determined that this method of computing the power costs is equitable, and the sum of $791.36 is allowable.

(4) Operating Equipment

Operating Equipment purchased consisted of the following items:

		Accepted Cost
1	Battery and Charger for Tital AX Trammer	$ 6,300.00
2	J-50 Drills and Jacklegs	943.00
10	Z-20 "Card" Mine Cars	2,315.00
	Total	$ 9,558.00

The accepted costs cover the items provided for in Exhibit "A" of the Exploration Contract.

Depreciation on equipment furnished by the Operator was allowable in accordance with Exhibit "A" of the contract and Amendments Nos. 1, 4, and 7, to a maximum of $6,720.00 as follows:

		Compressor	Shovel Loader	Trammer	Air Receiver	Skilsaws	Cutoff Saw	Dump Truck	Pickup Truck	Tractor	Monthly Total	Total Brought Forward
1951												
Oct. & Nov.	f½	$ 120.83	$25.83	$ 51.00		$ 3.00	$ 2.91	$	$	$	$203.57	
December	f	241.67	51.67	102.00		6.00	5.83	200.00			607.17	
1952												
January	f	241.67	51.67	102.00	$ 7.92	6.00	5.83	200.00			615.09	
February	f	241.67	51.67	102.00	7.92	6.00	5.83	200.00			615.09	
March	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	92.00*	540.42	
April	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	64.00*	512.42	
May	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	24.00*	472.42	
June	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	80.00*	528.42	$4,094.60
July	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	24.00*	105.40**	4,200.00**
August	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	32.00*	(not claimed)	
September	f	241.67	51.67	102.00	7.92	6.00	5.83		33.33	48.00*	448.42	4,678.42
October	f	241.67	51.67	102.00	15.83	6.00	5.83		33.33	56.00*	140.33	4,788.75
November	f	241.67	51.67	102.00	15.83	6.00	5.83		33.33	64.00	456.33	5,245.08
December	f	241.67	51.67	102.00	15.83	6.00	5.83		33.33	32.00	456.33	5,707.41
1953												
January	f	241.67	51.67	102.00	15.83	6.00	5.83		33.33	100.00	1,072.33	6,773.74
February	f	241.67	51.67	102.00	15.83	6.00	5.83		33.33	64.00	520.33	7,294.07
		Revised allowable maximum, Amendment No. 4										$6,720.00

*Deleted by Certifying Officer and reclaimed on January 1953 MF-104- Amendment No. 7.

**Allowable maximum

The tractor time for September was deleted by the Certifying Officer in September. In October the tractor time for March, April, May, June, July, August and October was deleted. The tractor time for November and December was not claimed until January 1953 when the deleted tractor time was all reclaimed.

F- stands for full month.

The sum claimed for the tractor, used for waste disposal, at no time exceeded the allowable maximum of $100.00 per month as provided for in Amendment No. 1, and was charged for at the rate of $8.00 per hour while in actual use as specified in Amendment No. 7.

(5) Initial Rehabilitation and Repairs

Not applicable to this project.

(6) New Buildings, Improvements, etc.

This item of cost covered the following items as provided for in Exhibit "A" of the Exploration Contract:

(a) Combination framing shed, compressor house, dry house, and tool house.
(b) Surface waste trestle and snow shed over track.
(c) Water system for dry house and drilling supply including pump, pipe, heater, pressure and storage tanks and installation.

The cost of installation includes all labor, materials, and engineering cost of erected facility.

The costs chargeable to and allowable under this heading were disclosed by the audit to be:

(a) Combination framing shed, compressor house, dry house, and tool house:

		Actual Cost	Claimed & Accepted Cost
Labor and taxes		$2,248.96	
Supplies		1,306.17	
Equipment rented from Bradley Co:			
D-7 tractor 37½ hrs. @ $8.00 hr.	$300.00		
Truck and trailer, 8 hrs. @ $4.00 hr.	32.00	332.00	
		$3,887.15	$3,500.00

(b) Surface waste trestle and snow shed over track:

Labor and taxes	440.73	
Supplies	458.42	
	$ 899.15	899.15

(c) Water system for dry house and drilling supply, etc.

Labor and taxes	446.01	
Materials	731.60	
	$1,177.61	1,177.61
Total		$5,576.76

(7) Miscellaneous

The costs chargeable to and allowable under this heading were disclosed by the audit to be:

	Claimed	Corrected Distribution	Deleted by Certifying Officer	Acceptable Costs
Repairs to Equipment		$5,384.26 (1)	$	$5,384.26
Sampling and Analysis	$ 915.75	915.75		915.75
Payroll Taxes	560.24	932.86 (2)	.26	932.60
Liability Insurance	1,554.53	2,558.86 (2)	6.11	2,552.75
Ventilation		406.29 (3)		

(1) There had been classified under (3) Operating Materials and Supplies, Repair Parts in the amount of $1,213.90. This sum consisted of numerous small parts. Under (8), Contingencies, there had been included "Repairs,etc." in the sum of $4,170.36. This item consisted of labor for miscellaneous

surface work which included hourly rates, plus legal over time, payroll taxes, and compensation insurance, as established in Amendment No. 1 and Acting Executive Officer letter dated Nov. 5, 1953. These two items have been reclassified and are included under Repairs to Equipment. The "Miscellaneous Surface Work" consisted of Bradley Mining Company shop time charged at the flat rate of $3.00 per hour for a total of 519 hours, $1,557.00, and sundry repairs, $2,613.36. The "Sundry Repairs" consisted of:

Repairs to:
- Compressor
- Trammer
- Battery Charger
- Switch box and blasting line
- Diamond drill equipment

Saw filing
Making wedges

The total allowable for Repairs to Equipment is $5,384.26.

Sampling and Analysis cost consisted of:

399	Antimony assays	@ $1.50 each	$598.50
399	Gold assays	.75 each	299.25
9	Tungsten assays	2.00 each	18.00
			$915.75

The Bradley Mining Company performed their own sampling and analysis work due to the high transportation costs of shipping the samples to Salt Lake City, Utah. It has been determined that the rates charged by the Bradley Mining Company are very reasonable.

Payroll taxes applicable to this project cover the Federal Old Age Benefit, Federal Unemployment, and Idaho Unemployment taxes at the following rates, which were verified by reference to the Company's records:

Federal Old Age Benefit	1.5%
Federal Unemployment	.3%
Idaho Unemployment	.9%

Workmen's Compensation rates were:

Electricians - helpers	$1.30	per	$100.00	of base	wage
Truck driver	1.30	"	"	"	"
Electricians	2.25	"	"	"	"
Carpenters	2.75	"	"	"	"
Mechanics and Drillers	5.11	"	"	"	"
Miners	8.06	"	"	"	"
Apprentice Miners					

For the period of October 1951 through May 1952 the Operator included all payroll taxes and Workmen's Compensation insurance under Labor and Supervision, therefore, there was transferred to Payroll Taxes $372.62 and to Liability Insurance (Workmen/s Compensation) $1,004.33. A disallowance in the amount of $0.26 from payroll taxes and $6.11 from liability insurance was made by the Certifying Officer as the result of an error in figuring the payroll, but the Operator has not adjusted his figures to reflect this change. The disallowance is concurred in.

The correct and allowable amount for payroll taxes is $932.60, and for liability insurance $2,552.75.

The item of "Ventilation" was claimed under (8) Contingencies, and has been placed under Miscellaneous. The Amended Contract, dated February 27, 1953, provided for $4,950.00 for the purchase of a booster ventilating fan and 15HP motor and electric wire. The Operator salvaged electric cable from various locations on the property and used a smaller fan and motor already on hand. No charge was made for the ventilating equipment other than the necessary labor costs of salvaging and splicing the electric wire and installing the equipment.

Labor: 219 hours straight time @ $1.775/hr.			$388.73
Taxes:			
F.O.A.B.	1.5%		3.83
Unemployment Insurance	1.2%		4.66
Wormmen's Comp. Insurance-	$175.73 @ $1.30		2.28
	213.00 @ 2.25		4.79
			$406.29

The total allowable for this item of cost is $406.29.

(8) Contingencies

This item is not applicable to this contract. The Operator, however, has claimed $791.36 for power; $4,170.36 for repairs, etc., and $406.29 for ventilation. The various charges involved have been shown under the proper "Items of Costs" in the preceding sections.

IV CONCLUSIONS AND RECOMMENDATIONS

This audit disclosed that all costs charged to this project with the exception of the disallowances itemized under items (2) Labor and Supervision and (7) Miscellaneous of the preceding sections of this report, are reasonable and proper under the terms of the contract.

The audit disclosed the status of the allowable maximums under "Prior Contract" and "Amended Contract" to be:

	Allowable Maximum	Actual Cost	Balance
Equipment (Monthly depreciation allowance)	$6,720.00	$6,720.00	-0-
Engineering and Accounting	3,600.00	3,600.00	-0-
Cost of work under "Prior Contract"	97,368.00	96,018.52	$1,349.48
Drifting & Crosscutting-1,500 ft. @ $32.46/ft.	48,690.00	23,501.04	25,188.96
Cost of additional work	78,000.00	30,798.08	47,201.92

The rates for wages were discussed under Item (2) and Equipment Depreciation under Item (3) of Section III of this report.

The adjustments between "Items of Cost" as shown on the August 1953 Form MF-104, the disallowances, and the accepted costs are summarized as follows:

	Totals August 1953 MF-104	Distribution	Disallowances	Accepted Costs
1. Drilling	$5,975.00	$5,975.00	$	$5,975.00
Crosscutting	3,343.38	3,343.38		3,343.38
Drifting	20,157.66	20,157.66		20,157.66
2. Labor and Supervision				
Labor	29,303.88	28,214.25		28,214.25
Supervision	6,213.23	5,925.91	10.00*	5,915.91
Technical Services	3,600.00	3,600.00		3,600.00
3. Operating Material & Supplies				
Timber	5,345.78	5,345.78		5,345.78
Explosives	6,638.90	6,735.40		6,735.40
Pipe and Fittings	742.60	3,737.39		3,737.39
Track and Accessories	1,139.69	2,521.34		2,521.34
Repair Parts	1,213.90	-0-		-0-
Other	12,889.29	8,416.35		8,416.35
Power		791.36		791.36
4. Operating Equipment				
Purchase	9,558.00	9,558.00		9,558.00
Depreciation	6,720.00	6,720.00		6,720.00
6. New Buildings, Improvements, etc.	5,576.76	5,576.76		5,576.76
7. Miscellaneous				
Repairs to Equipment		5,384.26		5,384.26
Sampling and Analysis	915.75	915.75		915.75
Payroll taxes	560.24	932.86	.26*	932.60
Liability Insurance	1,554.53	2,558.86	6.11*	2,552.75
Ventilation		406.29		406.29
8. Contingencies (specify)				
Power	791.36	-0-		-0-
Repairs, etc.	4,170.36	-0-		-0-
Ventilation	406.29	-0-		-0-
	$126,816.60	$126,816.60	$16.37	$126,800.23

*Disallowances made by Certifying Officer.

At the conclusion of the audit the findings were discussed in detail with the manager, Mr. B. F. Mahoney, and with the Executive Officer of the DMEA Field Team.

Robert M. Hull

Robert M. Hull
Auditor

November 5, 1953

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

800

NOV 1 0 1953

Mr. Robert M. Hull
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Idm-1173, DMA-1284X
Bradley Mining Company
Valley County, Idaho

Dear Mr. Hull:

Receipt is acknowledged of the copies of your Audit Report and Audit Certificate covering the referenced Exploration Project Contract. This Audit Report and Certificate may be distributed after two corrections are made on the copies withheld by you. We have made these changes on the Washington copies.

Before the penultimate paragraph on page 2, insert the title "(1) Agreed Unit Costs". On page 11 in the second paragraph under Section IV, change the figure $96,018.00 to $96,018.52.

Also, for your further guidance, as a matter of general audit policy more detail should be shown in regard to Supervision and Technical Services. Your reports should give details as to names, titles, rates of pay, basis for proration of charges, etc.

Sincerely yours,

(Signed) E. D. Talbert

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

EDTalbert/wb
November 8, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
1201 N. Division
Spokane 2, Washington
November 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 1953

AIR MAIL

Mr. E. Dallas Talbert, Acting Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Talbert:

Enclosed are two copies of Audit Report and three copies of Audit Certificate pertaining to Contract No. Idm-E173, Docket No. DMA-1284X, Bradley Mining Company.

I accepted the Acting Executive Officer's clarification and revision of Amendment No. 1 as authority for allowing the charges claimed under that portion of Amendment No. 1 as had been claimed by the operator from October 24, 1951 to March 1, 1952.

Copies of this memorandum* were forwarded directly to the DMEA in Washington and a copy to the Contract Administration and Audit Division.

Yours very truly,

Robert M. Hull

Robert M. Hull
Auditor

Enclosures

* per Audit Report, memo dated 11/5/53
No copy in file as of 11/9/53

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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NOV 20 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 315 ft.	1,575.00	4,400.00	5,975.00			
Bulldozing						
Crosscutting 13 ft.	421.98	2,921.40	3,343.38			
Drifting		20,157.66	20,157.66			
			29,476.04			
(2) Labor and Supervision:						
Labor		29,303.88	29,303.88			
Supervision		6,213.23	6,213.23		6203.23	6203.23
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,638.90	6,638.90			
Pipe		742.60	742.60			
Track		1,139.69	1,139.69			
Repair Parts		1,213.90	1,213.90			
Other		12,889.29	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	144.00	771.75	915.75			
Payroll Taxes		560.24	560.24		559.98	559.98
Liability Insurance		1,554.53	1,554.53		1548.42	1548.42
(8) Contingencies (specify):						
Power		791.36	791.36			
Repairs, etc.		4,170.36	4,170.36			
Ventilation		406.29	406.29			
TOTALS	2,140.98	124,675.62	126,816.60	214.98	12465.22	126,800.23

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/26/53 *Payee Bradley Mining Co.
Per [signature] Title Assistant Secretary

*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:
$ 1605 73
Signature [signature] (Authorized Certifying Officer)
Date 11/10/53 Vou. No. 959
(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 173 in accordance with the terms of the contract.

Signature /S/ John A Bowsher Title Mining Eng. Date 10/30/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Eng. Date 11-9-53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 1284X Contract No. Idm-E 173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting Unit Cost	1 ft.			20,157.66	621	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft.	421.98	13	3,343.38	103	32.46)		
Drifting, actual	1'			37,644.24	1363	27.62		
XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft.	1,575.00	315	5,975.00	1195	5.00	4000	5.00
Actual	1 ft.			3,512.49	1281	2.74		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1,996.98		110,359.80				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Contingencies		144.00		1,322.04				
Total Costs		2,140.98		126,816.60				175,368.00

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

Date 10/26/53 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

August, 1953

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Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	None		
Crosscutting	13 ft. at $32.46		$ 421.98

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

2 Antimony Assays at $1.50	$ 3.00	
2 Gold Assays at $0.75	1.50	

Diamond Drill Sludge Samples

62 Antimony Assays at $1.50	93.00	
62 Gold Assays at $0.75	46.50	
		$ 144.00

Part II - Diamond Drilling

315 ft. at $5.00	$1,575.00

September 16, 1953

DMEA Progress Report for August, 1953

Contract Idm-E 173

Progress - Drifting

The underground crew worked but a short time on the tunnel project again in August, as in the previous two months. Three rounds were blasted; one in 2 Crosscut-West and two in a diamond drill station in 2 Drift-South. Total advance was 13 feet -- 4 feet in 2 Crosscut-West, giving it a total length of 34 feet, and 9 feet in the diamond drill station. Two timber sets were installed.

Seven and one-half days were worked on a single shift per day basis.

Progress - Diamond Drilling

Diamond drill hole DMA-8 was drilled due west from 2 Drift-South. It was a flat hole 310 feet long, collared 705 feet south of survey station 318. ~~The log of hole DMA-8 is enclosed with this report.~~

Diamond drill hole DMA-9 was drilled 5 feet in August. It was collared 1,040 feet south of survey station 318 in 2 Drift-South, and is being drilled due west and flat. The log for this hole will be included with the monthly report for September.

Geology - Drifting

The four feet of advance in 2 Crosscut-West passed through the lamprophyre dike exposed in the face on the last day of July. The face is now in wet, badly faulted ground.

Geology - Diamond Drilling

Drill hole DMA-8 was collared in rhyolite and passed through rhyolite again from 155 to 192 feet and from 225 to 242 feet. The Meadow Creek fault, apparently not as strong as it was where exposed in other drilling and drifting in the area, was cut from approximately 60 to 225 feet. Lamprophyre dike rock was found from 260 to 280 feet. Fresh granite extended from 280 to 310 feet (end of hole). Low grade antimony-gold min-

eralization was present in the first part of the hole -- from 12 to 95 feet. The highest values were 0.09 per cent antimony and 0.045 ounces gold per ton.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

Note: Diamond drill logs not completed in time to be included with this report. Logs will be forwarded at a later date.

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

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

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

U.S. Mines Administration
RECEIVED
NOV 20 1953

Month of July, 1953 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		4,400.00	4,400.00			
Bulldozing						
Crosscutting 30 ft.	973.80	1,947.60	2,921.40			
Drifting		20,157.66	20,157.66			
(2) Labor and Supervision:						
Labor		29,303.88	29,303.88			
Supervision *		6,213.23	6,213.23	1020		6203.13
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,638.90	6,638.90			
Pipe		742.60	742.60			
Track		1,139.69	1,139.69			
Repair Parts		1,213.90	1,213.90			
Other		12,889.29	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	13.50	758.25	771.75			
Payroll Taxes *		560.24	560.24	8.6		568.98
Liability Insurance *		1,554.53	1,554.53	6.11		1548.42
(8) Contingencies (specify):						
Power		791.36	791.36			
Repairs, etc.		4,170.36	4,170.36			
Ventilation		406.29	406.29			
TOTALS	987.30	123,688.32	124,675.62	974.95	123,688.32	124,659.25

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

Date 10/19/53 *Payee Bradley Mining Co.

Per G. Olston Title Assistant Secretary

*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:

$ 728.28 CR

Signature [illegible]
(Authorized Certifying Officer)

Date 11/10/53 Vou. No. 959
(See other side)

* See attached work sheet.

(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. E173 in accordance with the terms of the contract.

Signature /S/ John A. Bonnaher Title Mining Eng Date 10/30/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr Date 11/9/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 20 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft.			20,157.66	621	32.46)	1500	32.46
Crosscutting Unit Cost	1 ft.	973.80	30	2,921.40	90	32.46)		
~~Drifting~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~Stope~~ Crosscutting, ~~Winze~~ actual	1 ft.			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1 ft.			4,400.00	880	5.00	4000	5.00
~~Chum~~ Actual	1 ft.			3,512.49	1281	2.74		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		973.80		108,362.82				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Contingencies		13.50		1,178.04				
TOTAL COSTS		987.30		124,675.62				

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

Date 10/19/53 Operator Bradley Mining Co.

Per G. C. Weston Title Assistant Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

July, 1953

Part I - Drifting and Crosscutting

Item I - Unit Costs

Drifting	None	
Crosscutting	30 ft. at $32.46	$973.80

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

6 Antimony Assay at $1.50	$9.00	
6 Gold Assays at $0.75	4.50	
		$ 13.50

Part II - Diamond Drilling

None

September 14, 1953

DMEA Progress Report for July, 1953

Contract Idm-S 173

Progress

The DMEA tunnel project was worked only part time in July. Total advance was 30 feet, all in 2 Crosscut-West. 2 Crosscut-West serves two purposes: it will be used as a diamond drill station, and it will provide a detour around the badly caved ground near the face of 2 Drift-South when drifting is resumed toward the Meadow Creek Mine.

Six rounds were blasted in July, resulting in an average advance of 5.00 feet per round. Six timber sets were installed.

Two days were worked on a two shift per day basis, and fourteen days were worked on a single shift basis.

No diamond drilling was done in July.

Geology

Fair gold values, as were present near the face of 2 Drift-South, continued to be found in 2 Crosscut-West to about 11 ft. At 11 feet the crosscut passed through a one-half inch width of broken, irregular rhyolite dike and entered two to three feet of black, leathery gouge. Beyond the gouge was a zone of intensely bleached and sheared rock -- presumably the Meadow Creek fault. Lamprophyre dike rock was showing at the face at the end of the month.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

Work Sheet

Deductions to be made from July 1953 MF-104 as follows:

F.O.A.B. and Unemployment Compensation	$0.26
Workmen's Compensation - 2 months-	6.11
Supervision	10.00
	$16.37

Details of correction follow:

September 1952- Payroll Taxes:

Workmen's Comp. is figured on straight time.
Refigured as follows:

Manning - 172 hours @ $1.775	$305.30		
Barkill - 172 hours @ $1.515	260.58		
	$565.88		
$565.88 at $8.06 per $100.00 of straight pay		$45.61	
Allowed by Certifying Officer		48.26	
Additional deduction from Workmen's Comp. Sept. 1952			$2.65

October 1952-Payroll Taxes:

Correction on supervision (Manning) was understated by $10.00

Allowed	$361.45		
Correct amount	351.45		
Additional deduction			$10.00

Above error requires further deductions from payroll tax as follows:

F.O.A.B. at 1.5% on corrected amount of $651.42--	$9.77	
Allowed	9.92	
Additional deduction		[illegible]
Unemployment Ins. at 1.2% on $651.42	$7.82	
Allowed	7.93	
Additional deduction		.11

Workmen's Comp. figured on straight time as follows:

Manning- 188 hours at $1.775		$333.70	
Barkill- 188 hours at $1.515		284.82	
		618.52	
$8.06 per $100.00 straight time	$49.85		
Allowed previously	53.31		
Additional deduction			3.46
			$16.37

To conform to audit report.

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

Contract Admin. & Audit Division

DMEA

14X3923.970 Working

Fund, DMEA

September 21, 1953

Mr. Robert M. Hull
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Reference work report submitted by your letter September 17, Bradley Mining Company, Idm-E173, listed as contemplated for audit. Can you not also audit Bradley Mining Company, Idm-E41, at the same time?

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

EDTalbert/wb
September 21, 1953

Copy to: Mails and Files
Admr. Reading File
Mr. Chambers

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 4 - 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 1284 X Contract No: Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 325 ft.	1,625.00	2,775.00	4,400.00			
Bulldozing						
Crosscutting		1,947.60	1,947.60			
Drifting 79 ft.	2,564.34	17,593.32	20,157.66			
(2) Labor and Supervision:						
Labor		29,303.88	29,303.88			
Supervision		6,213.23	6,213.23			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,638.90	6,638.90			
Pipe		742.60	742.60			
Track		1,139.69	1,139.69			
Repair Parts		1,213.90	1,213.90			
Other		12,889.29	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	186.50	571.75	758.25			
Payroll Taxes		560.24	560.24			
Liability Insurance		1,554.53	1,554.53			
(8) Contingencies (specify):						
Power		791.36	791.36			
Repairs, etc.		4,170.36	4,170.36			
Ventilation		406.29	406.29			
TOTALS	4,375.84	119,312.48	123,688.32	4375.84	119,312.48	123,688.32

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

Date 8/24/53 *Payee Bradley Mining Co.

Per G Orton Title Assistant Secretary

*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:

$ 3281 88

Signature (Authorized Certifying Officer)

Date 8/24/53 Vou. No. 888
(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-173 in accordance with the terms of the contract.

Signature /s/ John A. Bowsher Title Mining Engr Date 8/26/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engr Date 8/26/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 24 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 1284X Contract No. Idm-S 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft.	2,564.34	79	20,157.66	621	32.46)	1500	
Crosscutting Unit Cost	1 ft.			1,947.60	60	32.46)		
~~Raising~~ Drift.,actual	1 ft.			37,644.24	1363	27.62		
Shafts XCutting, act.	1 ft.			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1 ft.	1,625.00	325	4,400.00	880	5.00	4000	
~~Core~~ Actual	1 ft.			3,512.49	1281	2.74		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4,189.34		107,389.02				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, contingencies		186.50		1,164.54				
TOTAL COSTS		4,375.84		123,688.32				

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

Date 8/24/53 Operator Bradley Mining Co.

Per G C Orton Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

COPY

August 17, 1953

D.M.S.A. Progress Report for June, 1953

Contract 1dm-2 173

Progress

The underground crew worked but part time on the tunnel project. Total advance was 79 feet, all in 2 Drift-South. The total length of 2 Drift-South at the end of the month was 1557 feet.

Sixteen drift rounds were blasted, giving an average advance of 4.94 feet per round. In addition, one sideswipe round was blasted. Eleven timber sets were installed.

Twelve days were worked on a two shift per day basis, and eight days were worked on a single shift basis.

Diamond drill hole [illegible]-7 was drilled due east from 2 Drift-South to a length of 325 feet. Average advance for the month was 32.50 feet per machine shift, including moving and set-up time.

Geology

2 Drift-South was advanced in intensely altered granite. Ten feet, from 1518 to 1528 feet, showed good antimony values (2.30 per cent Sb), with fair gold values continuing to the face.

Diamond drill hole [illegible]-7 was collared in altered granite, and continued in altered granite to 66 feet. Low gold and antimony values were present in this section. The remainder of the hole was in predominantly fresh granite and aplite.

Bradley Mining Co.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/jo

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

June, 1953

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	79 ft. at $32.46	$2,564.34
Crosscutting	None	

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

17 Antimony Assays at $1.50	$25.50	
17 Gold Assays at $0.75	12.75	
1 Tungsten Assay at $2.00	2.00	

Diamond Drill Samples

65 Antimony Assays at $1.50	$97.50	
65 Gold Assays at $0.75	48.75	
		$ 186.50

Part II - Diamond Drilling

325 ft. at $5.00	$1,625.00

Fo[redacted]F-104 (Rev.)
[redacted]ril 1952)

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

UNITED STATES
DE[redacted]ARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 195 3 Docket No. DMEA 1284X Contract No. Idm-D173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,358.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Drilling 555	2775.00		2,775.00			
Bulldozing						
Crosscutting 20 ft.	649.20	1,298.40	1,947.60			
Drifting 80 ft	2596.80	14,996.52	17,593.32			
(2) Labor and Supervision:						
Labor		29,303.88	29,303.88			
Supervision		6,213.23	6,213.23			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,638.90	6,638.90			
Pipe		742.60	742.60			
Track		1,139.69	1,139.69			
Repair parts		1,213.90	1,213.90			
Other		12,889.29	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	346.25	225.50	571.75			
Payroll Taxes		560.24	560.24			
Liability Insurance		1,554.53	1,554.53			
(8) Contingencies (specify):						
Power		791.36	791.36			
Repairs, etc.		4,170.36	4,170.36			
Ventilation		406.29	406.29			
TOTALS	6367.25	112,945.23	119,312.48	6367.25	112,945.23	119,312.48

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

Date 7/6/53 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:

$ 4775.44

Signature [signature] (Authorized Certifying Officer)

Date 7/13/53 Vou. No. 826

(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. E173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Engr Date 7/8/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 7/8/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-194A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1 ft	2596.80	80	17,593.32	542	32.46)	1500	
Crosscutting Unit Cost	1 ft	649.20	20	1,947.60	60	32.46)		
~~Raises~~ Drifting, act.	1'			37,644.24	1363	27.62		
~~Shafts~~ Crosscutting,								
~~Winzes~~ actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'	2775.00	555	2,775.00	555	5.00	4000	
Chip ~~Rock~~ actual	1'			3,512.49	1281	2.74		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		6021.00		103,199.68				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, contingencies		346.25		978.04				
TOTAL COSTS		6367.25		119,312.48				

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

Date 7/6/53 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

May, 1953

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E173

Part I - Drifting and Crosscutting

Item 1 - Unit Costs

Drifting	80 ft. at $32.46		$2,596.80
Crosscutting	20 ft. at $32.46		649.20

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

18 Antimony Assays at $1.50	$27.00	
18 Gold Assays at $0.75	13.50	
1 Tungsten Assay at $2.00	2.00	

Diamond Drill Samples

135 Antimony Assays at $1.50	202.50	
135 Gold Assays at $0.75	101.25	
		$ 346.25

Part II - Diamond Drilling

555 ft. at $5.00 $2,775.00

June 18, 1953

D.M.S.A. Progress Report for May, 1953

Contract Idm - E173

Progress

Advance in May was less than in the previous months of 1953. Total advance was 100 feet: 80 feet in 2 Drift-South and 20 feet in a short crosscut to be used as a diamond drill station (1 Crosscut-East). In addition, a diamond drill station was cut at the face of 3 Drift-South. The total length of 2 Drift-South at the end of the month was 1478 feet.

Eighteen rounds were blasted in May, resulting in an average advance of 5.56 feet per round. An unusually large amount of timbering was required -- 28 sets were installed.

The mine crew averaged four to five men working two shifts per day.

Diamond drilling was resumed in May. Drill hole DMA-5, drilled 140 feet in November, 1952, was completed to a length of 345 feet. Hole DMA-6 was drilled southeast from 3 Drift-South. It was completed to a length of 350 feet.

Total diamond drilling footage for the month was 555 feet. Average advance for the month was 21.76 feet per machine shift, including moving and set-up time.

Geology

2 Drift-South was advanced in badly fractured rock that was poorly mineralized. 1 Crosscut-East, driven from the northern end of the gold-antimony zone in 2 Drift-South, yielded disappointing assay results, which may indicate the ore zone is narrow and confined to the immediate footwall area of the rhyolite dike.

The two diamond drill holes were unsuccessful in locating the mineralized zones followed in 1 Drift-South and 3 Drift-South. Sludge assays disclosed the usual low grade antimony-gold mineralization encountered throughout the project area.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent ~~Short Form~~ Contracts:						
Drilling						
Bulldozing						
Crosscutting		1,298.40	1,298.40			
Drifting 273 ft.	8861.58	6,134.94	14,996.52			
(2) Labor and Supervision:						
Labor		29,303.88	29,303.88			
Supervision		6,213.23	6,213.23			
Technical Services		3,600.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber		5,345.78	5,345.78			
Explosives		6,638.90	6,638.90			
Pipe		742.60	742.60			
Track		1,139.69	1,139.69			
Repair Parts		1,213.90	1,213.90			
Other		12,889.29	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		6,720.00	6,720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	118.50	107.00	225.50			
Payroll Taxes		560.24	560.24			
Liability Insurance		1,554.53	1,554.53			
(8) Contingencies (specify):						
Power		791.36	791.36			
Repairs, etc.		4,170.36	4,170.36			
Ventilation	406.29		406.29			
TOTALS	9386.37	103558.86	112945.23	9386.37	103558.86	112945.23

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

Date 6/29/53 *Payee Bradley Mining Co.

Per G. C. Orton Title Asst. Secretary

*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:

$ 7039.78

Signature [signature]
(Authorized Certifying Officer)

Date 7/1/53 Vou. No. 807
(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. E173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Engr Date 7/1/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 7/1/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ~~2~~IF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Unit Cost	1'	8861.58	273	14,996.52	462	32.46)	1500	
Crosscutting Unit Cost	1'			1,298.40	40	32.46)		
~~Raising~~ Drifting,								
~~Raising~~ Actual	1'			37,644.24	1363	27.62		
~~Raising~~ XCutting, Act.	1'			39,727.03	1540	25.80		
Drilling: Core	1'			3,512.49	1281	2.74		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		8861.58		97,178.68				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Contingencies		524.79		631.79				
TOTAL COSTS		9386.37		112,945.23				

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

Date 6/29/53 Operator Bradley Mining Co.

Per [signature] Title Asst. Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

May 18, 1953

D.M.E.A. Progress Report for April, 1953

Contract Idm-E173

Progress

Total advance in April was 273 feet, all in 2 Drift-South. The total length of the drift at the end of the month was 1398 feet.

Fifty rounds were blasted in April. The average advance per round was 5.46 feet. No timbering was done during the month; however in May it will be necessary to timber much of the distance driven during this period.

The mine crew averaged five men working two shifts per day.

No diamond drilling was done in April; diamond drilling will be resumed in May.

Geology

During the first part of April the drift continued in the well mineralized gold-antimony zone described in the March report. From 1100 to 1192 feet the car samples averaged 0.190 oz/ton gold. The best antimony section of the zone was from 1140 to 1187 feet. This distance averaged 0.54 per cent antimony.

From 1192 to 1213 feet values decreased somewhat and at approximately 1213 feet a northeast-striking fault completely cut off the ore zone. The drift was turned west to follow the fault but the ore zone was not found. During the latter part of the month drifting continued south, first in the rhyolite dike and then in rather fresh quartz monzonite.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Assistant Manager

KGW/ja

April, 1953

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E173

PART I - DRIFTING AND CROSSCUTTING

Item 1 - Unit Costs

Contract Idm-E173, amended February 27, 1953

Drifting	273 ft. at $32.46		$ 8,861.58

Item 7 - Miscellaneous

Sampling and Analysis

Contract Idm-E173, amended February 27, 1953

50 Antimony Assays	at	$1.50	$75.00	
50 Gold Assays	at	$0.75	37.50	
3 Tungsten Assays	at	$2.00	6.00	
				$ 118.50

Item 8 - Contingencies

Ventilation Installation Charges
(Deleted from March 1953 report)

Edwin D. Adams - Asst. Mine Supt. (1st Maintenance Mechanic Rate) 58 hrs. straight time at $1.775	$102.95	
Jesse V. Griffiths - Electrical Supt. (1st Electrician Rate) 120 hrs. straight time at $1.775	213.00	
George R. Hansen - Equipment Shop Supt. (1st Maint. Mechanic Rate) 7 hrs. straight time at $1.775	12.43	
Lawrence E. Smith - Fire Chief (1st Maint. Mechanic Rate) 14 hrs. straight time at $1.775	24.85	
Carl E. Tyger - 1st Maintenance Mechanic 8 hrs. straight time at $1.775	14.20	
Willard D. Wilde - Asst. Smelter Supt. (1st Maint. Mechanic Rate) 12 hrs. straight time at $1.775	21.30	
		$ 388.73

Monthly Supporting Detail - page 2

F.O.A.B. Tax at 1.5%	$	5.83
Unemployment Insurance Tax at 1.2%		4.66
Workmen's Comp. Insurance at $1.30 ($175.73)		2.28
at $2.25 ($213.00)		4.79
Total Labor	$	406.29

Form MF-104 (Rev.)
(April 1953)

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

MAY 4 1953

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

Amended 2/27/53

Month of March 3 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 175,368.00 Government Participation: 75 % Amount, $ 131,526.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ ~~XXXXX~~ Short Form Contracts:						
Drilling						
Bulldozing 40 ft.	1298.40		1,298.40	1298.40		1298.40
Crosscutting 189 ft.	6134.94		6,134.94	6134.94		6134.94
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
~~Truck~~ Repair Parts						
Other						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	107.00		107.00	107.00		107.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
~~Power~~						
Repairs, etc.						
Ventilation	616.10		616.10	-0-		-0-
TOTALS	8156.44		8,156.44	7540.34	96018.52	103,558.86

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

Date 4/23/53 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:

$ 5655.26

Signature [signature] (Authorized Certifying Officer)

Date 4/27/53 Vou. No. 742 (See other side)

Only those costs incurred under the contract extension (amendment dated February 27, 1953) are herein reported. Previous costs have not been carried forward.

(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. E173 in accordance with the terms of the contract.

/s/ Signature Stephen W. Zoldok Title Mining Engr Date 4/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/s/ Signature Thomas E. Howard Title Mining Engr Date 4/27/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Bureau Mines Information
RECEIVED
MAY 4 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Amended 2-27-53

Month of March 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft	6134.94	189	6,134.94	189	32.46	1500	32.46
Crosscutting	1 ft	1298.40	40	1,298.40	40	32.46		
~~Raising~~ Raising Actual Cost				37,644.24	1363	27.62		
~~Shafts~~ Sinking Actual Cost				39,727.03	1540	25.80		
Winzes					159 x			
Drilling: Core	1 ft			3572.49	1281	2.79	4000	5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		7433.34		~~7,433.34~~ 88,317.10				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9558.00				4,950.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5576.76				
Assaying, contingencies		~~723.10~~ 107.00		~~723.10~~	107.00			4,360.00
TOTAL COSTS		~~8,156.44~~ 7576.34		~~8,156.44~~ 103558.86				9,310.00

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

Date 4/23/53 Operator Bradley Mining Co.

Per G. Olston Title Assistant Secty.

REMARKS: Only those costs incurred under the contract extension (amendment dated February 27, 1953) are herein reported. Costs incurred under the original contract have not been carried forward.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DLEY MINING CO.
OW PINE MINE AND SMELTER
TE, IDAHO

April 20, 1953

D.M.E.A. PROGRESS REPORT FOR MARCH,

Contract Idm-E 173

Progress

Total advance for the month was 229 feet; 2 Drift-South was advanced 189 feet and a short crosscut (1 Crosscut-West) was driven 40 feet. The total length of 2 Drift-south at the end of the month was 1125 feet.

Forty-three rounds were blasted in March, resulting in an average advance of 5.33 feet per round. In addition, one sideswipe round was blasted to make room for a switch. Timber requirements were rather light; seven timber sets were required.

The mine crew consisted of five men, working two shifts per day.

A booster ventilating fan was installed in 2 Drift-South, about ~~1500~~ 1750 feet from the portal of the main crosscut.

No diamond drilling was done in March.

Geology

The first 75 feet of 2 Drift-South driven in March continued in the low grade gold-antimony mineralization mentioned in the February report. The highest assays in this area were 0.035 ounces gold per ton and 0.10 per cent antimony. At 1012 feet a zone of silicified, fine-grained, dark grey rock containing visible sulfides was cut obliquely by the drift. This zone continued along the east wall of the drift.

At 1037 feet a 40-foot crosscut was driven southwest through the rhyolite dike and into the Meadow Creek fault. This crosscut, designated as 1 Crosscut-West, serves a two-fold purpose:

1 - It establishes the continued presence of the Meadow Creek fault zone immediately west of the rhyolite dike (the same relative position it had in the main crosscut). The rhyolite dike has a width of 27 to 30 feet where cut in 1 Crosscut-West. The Meadow Creek fault is very soft and gougy, with some water.

2 - It serves as a track siding for haulage purposes.

After completion of the crosscut, driving of 2 Drift-South was resumed. The rhyolite dike gradually cut over and out of the west wall of the drift and at month's end the drift was entirely out of the dike. The drift south from the crosscut was in a well mineralized gold-antimony zone, with particularly encouraging gold assays. Many of the car samples suffered a considerable amount of dilution from the rhyolite dike. The last 20 feet of drift driven in March, which was entirely out of the dike, averaged 0.200 ounces gold per ton.

Although structures in the mineralized zone are obscure, they are apparently nearly parallel to the drift. The rock, which grades from fine-grained, hard, silicified areas to soft, altered quartz monzonite, is fairly evenly mineralized with fine-grained sulfides, particularly stibnite, arsenopyrite and pyrite. Very minor amounts of scheelite are occasionally found.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Senior Engineer

KGW/ja

April 20, 1953

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

PART I - DRIFTING AND CROSSCUTTING

Item 1 - Unit Costs

Contract Idm-E 173, amended February 27, 1953

Crosscutting	40 ft. at $32.46	$1,298.40
Drifting	189 ft. at $32.46	$6,134.94

Item 7 - Miscellaneous

Sampling and Analysis

Contract Idm-E 173, amended February 27, 1953

44 antimony assays	at $1.50	$ 66.00	
44 gold assays	at $0.75	33.00	
4 tungsten assays	at $2.00	8.00	
			$ 107.00

Item 8 - Contingencies

In the amended contract Idm-E 173, dated February 27, 1953, $4,950.00 is provided for the purchase of a booster ventilating fan and 15 HP motor and electric wire. Rather than purchase this new equipment, we decided to salvage electric cable from various locations on the Yellow Pine property and use a smaller fan and motor already on hand. This resulted in a very substantial saving.

As the heading is advanced it may become necessary to move the fan further back in the drift, in which case we will have to purchase several hundred feet of electric wire, the cost of which should not exceed $800.00. The minimum saving resulting from the use of salvaged equipment is about $3,534.00.

No charge is made for the ventilating equipment other than the necessary labor costs of salvaging and splicing the electric wire and installing the equipment in the drift. These labor charges are itemized below.

April 20, 1953

D.M.E.A. PROGRESS REPORT FOR MARCH, 1953

Contract Idm-E 173

Progress

Total advance for the month was 229 feet; 2 Drift-South was advanced 189 feet and a short crosscut (1 Crosscut-West) was driven 40 feet. The total length of 2 Drift-south at the end of the month was 1125 feet.

Forty-three rounds were blasted in March, resulting in an average advance of 5.33 feet per round. In addition, one sideswipe round was blasted to make room for a switch. Timber requirements were rather light; seven timber sets were required.

The mine crew consisted of five men, working two shifts per day.

A booster ventilating fan was installed in 2 Drift-South, about ~~1500~~ 1750 feet from the portal of the main crosscut.

No diamond drilling was done in March.

Geology

The first 75 feet of 2 Drift-South driven in March continued in the low grade gold-antimony mineralization mentioned in the February report. The highest assays in this area were 0.035 ounces gold per ton and 0.10 per cent antimony. At 1012 feet a zone of silicified, fine-grained, dark grey rock containing visible sulfides was cut obliquely by the drift. This zone continued along the east wall of the drift.

At 1037 feet a 40-foot crosscut was driven southwest through the rhyolite dike and into the Meadow Creek fault. This crosscut, designated as 1 Crosscut-West, serves a two-fold purpose:

1 - It establishes the continued presence of the Meadow Creek fault zone immediately west of the rhyolite dike (the same relative position it had in the main crosscut). The rhyolite dike has a width of 27 to 30 feet where cut in 1 Crosscut-West. The Meadow Creek fault is very soft and gougy, with some water.

2 - It serves as a track siding for haulage purposes.

After completion of the crosscut, driving of 2 Drift-South was resumed. The rhyolite dike gradually cut over and out of the west wall of the drift and at month's end the drift was entirely out of the dike. The drift south from the crosscut was in a well mineralized gold-antimony zone, with particularly encouraging gold assays. Many of the car samples suffered a considerable amount of dilution from the rhyolite dike, The last 20 feet of drift driven in March, which was entirely out of the dike, averaged 0.200 ounces gold per ton.

Although structures in the mineralized zone are obscure, they are apparently nearly parallel to the drift. The rock, which grades from fine-grained, hard, silicified areas to soft, altered quartz monzonite, is fairly evenly mineralized with fine-grained sulfides, particularly stibnite, arsenopyrite and pyrite. Very minor amounts of scheelite are occasionally found.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Senior Engineer

KGW/ja

April 20, 1953

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

PART I - DRIFTING AND CROSSCUTTING

Item 1 - Unit Costs

Contract Idm-E 173, amended February 27, 1953

Crosscutting	40 ft. at $32.46	$1,298.40
Drifting	189 ft. at $32.46	$6,134.94

Item 7 - Miscellaneous

Sampling and Analysis

Contract Idm-E 173, amended February 27, 1953

44 antimony assays	at $1.50	$ 66.00	
44 gold assays	at $0.75	33.00	
4 tungsten assays	at $2.00	8.00	
			$ 107.00

Item 8 - Contingencies

In the amended contract Idm-E 173, dated February 27, 1953, $4,950.00 is provided for the purchase of a booster ventilating fan and 15 HP motor and electric wire. Rather than purchase this new equipment, we decided to salvage electric cable from various locations on the Yellow Pine property and use a smaller fan and motor already on hand. This resulted in a very substantial saving.

As the heading is advanced it may become necessary to move the fan further back in the drift, in which case we will have to purchase several hundred feet of electric wire, the cost of which should not exceed $800.00. The minimum saving resulting from the use of salvaged equipment is about $3,534.00.

No charge is made for the ventilating equipment other than the necessary labor costs of salvaging and splicing the electric wire and installing the equipment in the drift. These labor charges are itemized below.

Edwin D. Adams -- Asst. Mine Superintendent			
Salaried Employee			
Average hourly rate in March	$2.7038		
58 hrs. at $2.7038		$156.82	
Jesse V. Griffiths -- Electrical Supt.			
Salaried Employee			
Average hourly rate in March	$2.6508		
120 hrs. at $2.6508		318.10	
George R. Hansen -- Equipment Shop Supt.			
Salaried Employee			
Average hourly rate in March	$2.6563		
7 hrs. at $2.6563		18.59	
Lawrence E. Smith -- Fire Chief			
Salaried Employee			
Average hourly rate in March	$2.1034		
14 hrs. at $2.1034		29.45	
Carl E. Tyger -- 1st Maint. Mechanic			
Salaried Employee			
Average hourly rate in March	$2.4390		
8 hrs. at $2.4390		19.51	
Willard D. Wilde -- Asst. Smelter Supt.			
Salaried Employee			
Average hourly rate in March	$2.8125		
12 hrs. at $2.8125		33.75	
			$ 576.22
F.O.A.B. Tax at 1.5%			8.64
Unemployment Ins. Tax at 1.2%			6.91
Workmen's Comp. Ins. at $8.06	($156.82)		12.64
at $2.75	(318.10)		8.75
at $1.30	($67.55)		.88
at $6.10	($33.75)		2.06
Total Labor			$ 616.10

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

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

Month of February, 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75 % Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1714.24	27,589.64	29,303.88			
Supervision	23.64	6,189.59	6,213.23			
Technical Services	300.00	3,300.00	3,600.00			
(3) Operating Mat'ls. and Supplies:						
Timber	52.01	5,293.77	5,345.78			
Explosives	405.62	6,233.28	6,638.90			
Pipe	21.08	721.52	742.60			
Track	52.00	1,087.69	1,139.69			
Repair Parts	180.41	1,033.49	1,213.90			
Other	974.93	11,914.36	12,889.29			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	520.33	6,773.74	7,294.07	[illegible]	6773.74	6720.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	46.91	513.33	560.24			
Liability Insurance	129.94	1,424.59	1,554.53			
[illegible]	[illegible]	[illegible]	[illegible]			
(8) Contingencies (specify):						
Power	95.61	695.75	791.36			
Repairs, Utilities & Misc. Surface Work	375.72	3,794.64	4,170.36			
TOTALS	4892.44	91,700.15	96,592.59	4218.37	91700.15	96018.52

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

Date 4/20/53 *Payee Bradley Mining Co.

Per G. Olson Title Assistant Secretary

*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:

$ 3238.78

Signature [illegible] (Authorized Certifying Officer)

Date 4/23/53 Vou. No. 737 (See other side)

Above totals are adjusted for deletions of $81.27

(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. E173 in accordance with the terms of the contract.

Signature /s/ Stephen W Zoldok Title Mining Engr Date 4/22/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 4/22/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft	4892.44	209	38,218.31	1,363	28.04)	3,000	26.88
Crosscutting	1 ft			39,727.03	1,540	25.80)		
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft			3,512.49	1,281	2.74		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4892.44		81,457.83				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		4892.44		96,592.59				97,368.00

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

Date 4/20/53 Operator Bradley Mining Co.

Per G C Orton Title Assistant Secretary

REMARKS: Above totals are adjusted for deletions of $81.27 made in October, 1952. (diamond driller's wages, payroll taxes and liability insurance)

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

April 16, 1953

D.M.E.A. Progress Report for February, 1953

Contract Idm-E173

Progress

2 Drift-South was advanced 209 feet in February, giving it a total length of 936 feet at the end of the month.

Forty-one rounds were blasted in February, giving an average advance of 5.10 feet per round. Only two timber sets were installed.

The mine crew consisted of five men, working two shifts per day.

No diamond drilling was done in February.

Geology

Of the 209 feet driven during the month, approximately 85 feet was in the rhyolite dike. The remainder of the footage was in altered quartz monzonite containing low grade gold-antimony mineralization. The highest assays came from the car sample from 899 to 904 feet: 0.060 ounces gold per ton and 0.21 per cent antimony.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Senior Engineer

KGW/ja

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

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

Defense Minerals Administration
RECEIVED
APR 6 1953

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

Month of January, 1953 Docket No. DMEA 1284x Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75 % Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,854.30	25,735.34	27,589.64			
Supervision	162.53	6,027.06	6,189.59			
Technical Services	300.00	3,000.00	3,300.00			
(3) Operating Mat'ls. and Supplies:						
Timber	628.08	4,665.69	5,293.77			
Explosives	371.10	5,862.18	6,233.28			
Pipe	82.03	639.49	721.52			
Track	106.67	981.02	1,087.69			
Repair Parts	7.82	1,025.67	1,033.49			
Other	559.26	11,355.10	11,914.36			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	1,072.33	5,701.41	6,773.74			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	54.45	458.88	513.33			
Liability Insurance	148.20	1,276.39	1,424.59			
(8) Contingencies (specify):						
Power	78.88	616.87	695.75			
Repairs, Utilities & Misc. Surface Work	236.16	3,558.48	3,794.64			
TOTALS	5,661.81	86,038.34	91,700.15	5661.81	86038.34	91700.15

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

Date 3/6/53 *Payee Bradley Mining Co.

Per G. Walton Title Assistant Secretary

*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:

$ 42 46 35

Signature (Authorized Certifying Officer)

Date 3/25/53 Vou. No. 704
(See other side)

Above totals are adjusted for deletions of $81.27

(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 173 in accordance with the terms of the contract.

Signature /S/ Stephen Wzoldok Title Mining Engr Date 3/9/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 3/9/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.	5,635.60	154	33,325.87	1,154	28.88	3,000	26.68
Crosscutting	1 ft.	260.00	-	39,727.03	1,540	25.80		
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.	233.79*	-	3,512.49	1,281	2.74		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,661.81		76,565.39				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		5,661.81		91,700.15				97,368.00

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

Date 3/6/53 Operator Bradley Mining Co.

Per G. C. Orton Title Assistant Secretary

REMARKS: *Credit.

Above totals are adjusted for deletions of $81.27 made in October, 1952 (diamond driller's wages, payroll taxes and liability insurance).

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

BRADLEY MINING CO.
MILL CITY MINING AND SMELTING
KELLOGG, IDAHO

February 27, 1953

D.M.E.A. Progress Report for January, 1953

Contract Idm - E 173

Progress

Total advance for the month was 154 feet, all in 2 Drift-South, immediately east of the Meadow Creek fault. The total length of 2 Drift-South was 727 feet at the end of the month.

Twenty-seven drift rounds were blasted in January, resulting in an average advance of 5.70 feet per round. Timber requirements were exceptionally heavy -- twenty sets were installed. A track switch and siding were constructed to facilitate rock haulage.

The mine crew averaged five men, working two shifts per day.

No diamond drilling was done in January.

Geology

The first hundred feet of advance was in quartz monzonite that was only very poorly mineralized. The dirft re-entered the rhyolite dike at 677 feet and was in the dike the remainder of the distance driven.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Senior Engineer

KGW/ja

January, 1953

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

Contract Idm-E173

PART I - DRIFTING

Item 2 - Labor and Supervision

Item 7 - Payroll taxes and liability insurance

Contract Idm-E173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

637.5 hrs.	Straight Time @ $1.71	$ 1,090.13	
173 hrs.	Overtime (1½) @ $1.71	443.75	
157.5 hrs.	Straight Time @ $1.515	238.61	
36 hrs.	Overtime (1½) @ $1.515	81.81	
1,004 hrs.	Total Wages		$ 1,854.30
	F.O.A.B. Tax @ 1.5%		27.81
	Unemployment Ins. Tax @ 1.2%		22.25
	Workmen's Comp. Ins. @ $8.06	($1,679.11)	135.34
	Total Labor Cost		$ 2,039.70

Supervision

78 hrs.	Straight Time @ $1.97	$ 153.66	
3 hrs.	Overtime (1½) @ $1.97	8.87	
81 hrs.	Total Wages		$ 162.53
	F.O.A.B. Tax @ 1.5%		2.44
	Unemployment Ins. Tax @ 1.2%		1.95
	Workmen's Comp. Ins. @ $8.06	($159.57)	12.86
	Total Supervision Cost		$ 179.78

Total Payroll Taxes, Labor and Supervision $ 54.45

Total Liability Insurance, Labor and Supervision $ 148.20

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours ST	Hours OT	ST	OT
Bale	Miner	$1.71	160	42	$ 273.60	$ 107.73
Longacre	Miner	1.71	160	42	273.60	107.73
Martin	Miner	1.71	157.5	44	269.33	112.86
Ross	Timber Framer	1.71	160	45	273.60	115.43
Washington	Miners Helper	1.515	157.5	36	238.61	81.81
			795	209	$1,328.74	$ 525.56

1,004 hrs. $ 1,854.30
125.5 shifts

Supporting Supervision Charges - Item 2

McGinley	Foreman	1.97	46	3	$ 90.62	$ 8.87
Adams	Foreman*	1.97	32	-	63.04	-
			78	3	$ 153.66	$ 8.87

81 hrs. $ 162.53
10.125 shifts

* Assistant Mine Superintendent charged at foreman's rate.

Item 2 - Labor and Supervision

Technical Services

Engineering, Accounting and Analytical Services

Contract Idm-E173, Exhibit A, Item 7

Per Contract Amendment No. 1 $ 300.00

Item 3 - Operating Materials and supplies

Contract Idm-E173, Exhibit A, Item 5

Timber

916 lin. ft.	Stull Timber	$ 91.60	
4940 bd. ft.	Fir Lumber	536.48	
			$ 628.08

Explosives

1500 lbs.	Gelex #2, 1-1/8 x 8, 45%	271.50	
600	Electric Delay Blasting Caps	99.60	
			371.10

Pipe

140 ft.	Pipe, 2"	57.93	
180 ft.	Pipe, 3/4"	24.10	
			82.03

Track

320 ft.	Rail, 20 lb.	$ 106.67	
			106.67

Repair Parts

Trammer Parts			
20	Stove Bolts, ¼ x 1"	.21	
6	Cap Screws, 5/16 x 1"	.10	
3	Cap Screws, 5/8 x 2"	.26	
12	Quick Lugs	.84	
Shovel Loader Parts			
2	Cap Screws, 5/8 x 3"	.21	
3	Cap Screws, 3/4 x 2"	.41	
2	Nuts, 5/8	.07	
3	Lock Washers, 3/4"	.08	
2	Lock Washers, 5/8	.03	
1	Cap Screw, 1x3"	.39	
3	Washers, 1"	.03	
Pickup Parts			
1	Master Cylinder, #MC544	3.83	
1	Grease Fitting	.15	
Skilsaw Parts			
1	Bearing	1.21	
			7.82

Other

1139 gal.	Diesel Oil	201.60
256 gal.	Stove Oil	46.59
86.2 gal.	Gasoline	24.81
3 gal.	Zerex Antifreeze	7.50
33 qt.	Motor Oil	5.06
5 gal.	Gear Lube, SAE 90	5.50
4 lb.	Gear Lube, SAE 80	1.60
	Brake Fluid	.75
12	Timken Carbide Bits, MCA 1-5/8	133.32
20 lb.	Acid Core Solder	24.64
10	Drill Steel, 1" Hex x 7'	137.10
210 ft.	Galv. Vent Pipe, 10"	133.71
250 lb.	Track Bolts, 1/2 x 2"	46.76
30	Burlap Sacks	6.05
5 lb.	Stove Pipe Wire	.48
4	Cable Clamps, 3/8"	1.40
	Demurrage on Oxygen & Acetylene Cyl.	.56
4	Light Globes, 150 W	.60
1	Socket, #600	.12
1	Female Plug Body	.47
4	Filter Elements, X-17	4.44
1 roll	Ruberoid Tape	.64

Supplies - Other (Continued)

15	Nipples, 3/8 x 6"	$ 1.70	
2	Nipples, 3/4 x 2"	.22	
5	Nipples, 1/2 x 6"	.77	
3	Bushings, 3/8 x 1/2"	.57	
4	Bushings, 1/2 x 3/4	.44	
1	Bushing, 2 x 1-1/2"	.23	
1	Bushing, 1-1/2 x 1"	.36	
1	Bushing, 1 x 3/4"	.19	
2	Ells, 1/2" x 45	.40	
6	Ells, 3/8" x 45	.42	
1	Coupling, 3/8"	.08	
1	Coupling, 1/2"	.11	
1	Tee, 2"	1.58	
3	Female Spuds, 3/4"	2.28	
			$ 793.05

Item 4 - Operating Equipment

Depreciation

Contract Idm-E173, Exhibit A, Item 3

Compressor	(1 month)	$ 241.67	
Shovel Loader	" "	51.67	
Air Receivers (2)	" "	15.83	
Trammer	" "	102.00	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor *		100.00	
			$ 556.33

* 14 hrs. @ $8.00 (tractor and operator) = $112.00; maximum allowable $100.00

Tractor charges reinstated — March thru December, 1952. Authority: Contract Amendment No. 7, dated January 30, 1953.

	March, 1952	11.5 hrs @ $8.00	$ 92.00	
	April, 1952	8 " " "	64.00	
	May, 1952	3 " " "	24.00	
	June, 1952	10 " " "	80.00	
	July, 1952	3 " " "	24.00	
	August, 1952	4 " " "	32.00	
	September, 1952	6 " " "	48.00	
	October, 1952	7 " " "	56.00	
(Not previously reported)	November, 1952	8 " " "	64.00	
" " "	December, 1952	4 " " "	32.00	
	Total Tractor Charges Reinstated			$ 516.00

Total Depreciation Charged This Report $ 1,072.33

Item 8 - Contingencies

Power

Contract Idm-E173, Exhibit A, Item 5

7308 KWH	Electric Power @ $0.01079h		$ 78.88

Repairs, Utilities and Misc. Surface Work

Contract Idm-E173, Exhibit A, Item 5

Servicing and Repairing Compressor and Pickup, Delivering Oil

George R. Hansen -- Equipment Supt. (1st Equipment Mechanic Rate) 8 hrs. straight time @ $1.775	$ 14.20
Edwin D. Adams -- Asst. Mine Supt. (1st Equipment Mechanic Rate) 2 hrs. straight time @ $1.775	3.55

Repairing Trammer

Jesse V. Griffiths-- Electrical Supt. (1st Electrician Rate) 23 hrs. straight time @ $1.775	40.83

Repairing Blower

Jesse V. Griffiths-- Electrical Supt. (1st Electrician Rate) 1.5 hrs. straight time @ $1.775	2.66

Repairing Shovel Loader and Mine Cars

Carl E. Tyger -- Maintenance Man (1st Equipment Mechanic Rate) 11 hrs. straight time @ $1.775	19.53
Benjamin Payne, Sr. -- 1st Machinist 10 hrs. straight time @ $1.775	17.75

Making Track Switches

Benjamin Payne, Sr. -- 1st Machinist 9 hrs. straight time @ $1.775	15.98

Sharpening Bits, Picks, etc.

Benjamin Payne, Sr. -- 1st Machinist 62 hrs. straight time @ $1.775	110.05

Total Wages $ 224.55

Item 8 - Contingencies

Repairs, Utilities and Misc. Surface Work (Continued)

F.O.A.B. Tax @ 1.5%		3.37
Unemployment Ins. Tax @ 1.2%		2.69
Workmen's Comp. Ins.	@ $1.30 ($181.06)	2.35
	@ $2.75 ($43.49)	1.20
		$ 234.16

Servicing Pickup

Stibnite Service Station (January Invoice #13622 for lubrication)	2.00
Total Repairs, Utilities and Misc. Surface Work	$ 236.16

PART II - DIAMOND DRILLING

Item 3 - Operating Materials and Supplies

Other

Bits -- Credits

1	Ax Bit, Serial No. U-1777	$ 116.96
1	Ax Bit, Serial No. U-1770	116.83
	Total Credits	$ 233.79

SUMMARY OF CHARGES FOR JANUARY, 1953

	PART I Drifting	PART II Diamond Drilling	Totals
(2) Labor and Supervision			
Labor	$1,854.30	$	$1,854.30
Supervision	162.53		162.53
Technical Services	300.00		300.00
(3) Operating Materials & Supplies			
Timber	628.08		628.08
Explosives	371.10		371.10
Pipe	82.03		82.03
Track	106.67		106.67
Repair Parts	7.82		7.82
Other	793.05	233.79*	559.26
(4) Operating Equipment			
Depreciation	1,072.33		1,072.33
(7) Miscellaneous			
Payroll Taxes	54.45		54.45
Liability Insurance	148.20		148.20
(8) Contingencies			
Power	78.88		78.88
Repairs, Utilities & Misc. Surface Work	236.16		236.16
	$5,895.60	$ 233.79*	$5,661.81

* Credit

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December 1952 Docket No. DMEA 1284X Contract No. Ida-K173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: ____% Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,703.71	24,031.63	25,735.34			
Supervision	398.93	5,628.13	6,027.06			
Technical Services	300.00	2,700.00	3,000.00			
(3) Operating Mat'ls. and Supplies:						
Timber	179.84	4,485.85	4,665.69			
Explosives	184.57	5,677.61	5,862.18			
Pipe	238.53	400.96	639.49			
Track	133.34	847.68	981.02			
Repair Parts	102.76	922.91	1,025.67			
Other	163.36*	11,518.46	11,355.10	163.36		
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	456.33	5,245.08	5,701.41			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	56.77	402.11	458.88			
Liability Insurance	158.74	1,117.65	1,276.39			
(8) Contingencies (specify):						
Power	58.79	558.08	616.87			
Repairs, Utilities & Misc. Surface Work	487.31	3,071.17	3,558.48			
TOTALS	4,296.26	81,742.08	86,038.34	42,962.26	81,742.08	86,038.34

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2/11/53 *Payee Bradley Mining Co.
Per [signature] Title Assistant Secretary

*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:
$ 3222.20
Signature [signature] (Authorized Certifying Officer)
Date 2/19/53 Vou. No. 664
(See other side)

* Credit
Above totals adjusted for deletions of $501.27

(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 173 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Min. Engr Date 7/16/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Min Engr Date 7/16/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	1 ft	5,179.59	201	27,690.27	1,000	27.69		26.44
Crosscutting	1 ft			39,467.03	1,540	25.63		
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft	883.33*	-	3,746.28	1,281	2.92		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		4,296.26		70,903.58				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
Total Costs		4,296.26		86,038.34				97,368.00

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

Date 2/11/53 Operator Bradley Mining Co.

Per G. Carton Title Assistant Secretary

Remarks: * Credit.
Above totals are adjusted for deletions of $501.27 made in September and October, 1952.

→ 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

PART I - DRIFTING

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Contract Idm - N173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

528.5 hrs.	Straight Time	at $1.71	$903.74	
83.0 hrs.	Overtime (1½)	at $1.71	212.90	
336.5 hrs.	Straight Time	at $1.515	509.80	
34.0 hrs.	Overtime (1½)	at $1.515	77.27	
982.0 hrs.	Total Wages			$1,703.71
	F.O.A.B. Tax at 1.5%			25.56
	Unemployment Ins. Tax at 1.2%			20.44
	Workmen's Comp. Ins. at $8.06 ($1,606.98)			129.52
	Total Labor Cost			$1,879.23

Supervision

147 hrs.	Straight Time	at $1.97	$289.59	
37 hrs.	Overtime (1½)	at $1.97	109.34	
	Total Wages			$ 398.93
	F.O.A.B. Tax at 1.5%			5.98
	Unemployment Ins. Tax at 1.2%			4.79
	Workmen's Comp. Ins. at $8.06 ($362.48)			29.22
	Total Supervision Cost			$ 438.92

Total Payroll Taxes, Labor and Supervision $ 56.77

Total Liability Taxes, Labor and Supervision $ 158.74

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours St	Hours Ot	St	Ot
Bale	Min.Help.	$1.515	160	16	$ 242.40	$ 36.36
Longacre	Miner	1.71	176	24	300.96	61.56
Martin	Miner	1.71	176.5	25.5	301.82	65.41
Ross	Timb.Fr.	1.71	176	33.5	300.96	85.93
Washington	Min.Help.	1.515	176.5	18	267.40	40.91
			865	117	$1,413.54	$290.17

982 hrs. $1,703.71

122.75 shifts

Supporting Supervision Charges - Item 2

Name	Class	Rate	Hours St	Hours Ot	St	Ot
McGinley	Foreman	$1.97	147	37	$289.59	$109.34
			184 hrs.		$398.93	
			23.0 shifts			

Item 2 - Labor and Supervision

Technical Services

Engineering, Accounting and Analytical Services

Contract Idm-8173, Exhibit A, Item 7

Per Contract Amendment No. 1 $300.00

Item 3 - Operating Materials and Supplies

Contract Idm-8173, Exhibit A, Item 5

Timber

1656 bd. ft.	Fir Lumber	$179.84	
			$179.84

Explosives

1250 lbs.	Gelex #2, 1-1/8 x 8, 45%	$135.75	
350	Electric Delay Blasting Caps	41.65	
8 lbs.	Blasting wire	7.17	
			$184.57

Pipe

21 ft.	Pipe, 3"	$ 16.22	
330 ft.	Pipe, used, 3"	127.48	
168 ft.	Pipe, 2"	69.52	
189 ft.	Pipe, 3/4"	25.31	
			$238.53

Track

400 ft.	Rail, 20 lb.	$133.34	
			$133.34

Repair Parts

Mucking Machine Parts

4	Cable Tension Springs, #403	$ 1.44

Repair Parts - continued

J-50 Jackhammer Parts			
5	Plungers, #61S84	$ 1.50	
8	Springs, #PE141LSP	.80	
1	Piston, #65J50	36.60	
12	Hose Mender Stems, 1/2"	10.20	
Compressor Parts			
1	Belt, #39	.74	
Blower (Ventilation) Parts			
1	Fafnir Bearing, #309K	4.45	
			$ 55.73

Other

1115 gal.	Diesel oil	$197.35	
274 gal.	Stove oil	49.86	
72 gal.	Gasoline	20.03	
3 gal.	Zerex Antifreeze	7.50	
23 gal.	Motor oil, #30	13.40	
6	Timken Carbide Bits, MCA 1-5/8	66.66	
10 lbs.	Acid core solder	12.32	
200 lbs.	Track spikes	14.60	
52 pr.	Fish plates	35.36	
8	Drill steel, 1" Hex x 7'	109.68	
1 cyl.	Oxygen and demurrage	6.76	
6 ft.	Galv. vent pipe, 15"	7.02	
50 ft.	Galv. vent pipe, 12"	58.50	
182.5 ft.	Galv. vent pipe, 10"	116.20	
33 lbs.	Galv. wire, #12	3.18	
6	Dresser couplings, 3"	15.30	
1	Tee, 3"	1.86	
1	Plug, 3"	.49	
2	Bushings 3x2"	1.28	
1	Pin for Crescent Wrench	.07	
30 ft.	Chain, 3/8"	6.06	
5 lb.	Lumnite cement	.35	
2	Grinding wheels	21.34	
3	Lumber crayons	.27	
2	Sledge handles, 36"	1.56	
			$767.00

Item 4 - Operating Equipment

Depreciation

Contract Idm-5173, Exhibit A, Item 3

Compressor	(1 month)	$241.67	
Shovel loader	" "	51.67	
Air receivers (2)	" "	15.83	
Trammer	" "	102.00	
Skillsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
			$456.33

Item 8 - Contingencies

Power

Contract Idm-E 173, Exhibit A, Item 5

5544 KWH Electric Power at $0.010604 $ 58.79

Repairs, Utilities and Misc. Surface Work

Contract Idm-E173, Exhibit A, Item 5

Loading and Hauling Mine Timbers

Edwin D. Adams -- Assistant Mine Supt.
(2nd Maintenance Mechanic Rate)
16 hrs. straight time at $1.645 $26.32

Carl E. Tyger -- Maintenance Man
(2nd Maintenance Mechanic Rate)
14 hrs. straight time at $1.645 23.03

Lawrence E. Smith -- Fire Chief
(2nd Maintenance Mechanic Rate)
12 hrs. straight time at $1.645 19.74

Servicing Compressor and Pickup, Delivering Oil

Edwin D. Adams -- Assistant Mine Supt.
(1st Equipment Mechanic Rate)
5 hrs. straight time at $1.775 8.88

George R. Hansen -- Equipment Supt.
(1st Equipment Mechanic Rate)
5 hrs. straight time at $1.775 8.88

Blower Maintenance, Fabricating vent pipe

Jesse V. Griffiths -- Electrical Supt.
(1st Electrician Rate)
16 hrs. straight time at $1.775 28.40

Benjamin Payne, Sr. -- 1st Machinist
8 hrs. straight time at $1.775 14.20

Servicing Trammer Batteries

Jesse V. Griffiths -- Electrical Supt.
(1st Electrician Rate)
2 hrs. straight time at $1.775 3.55

Sewing Wedges, Filing Saws

Lawrence E. Smith -- Fire Chief (1st Carpenter Rate) 11 hrs. at $1.775	$ 19.53	
Carl E. Tyger -- Maintenance Man (1st Carpenter Rate) 8 hrs. at $1.775	14.20	

Making Track Switches

Benjamin Payne, Sr. -- 1st Machinist 19 hrs. straight time at $1.775	33.73	

Sharpening Bits, Picks, etc.

Benjamin Payne, Sr. -- 1st Machinist 83 hrs. straight time at $1.775	147.33	
Total Wages		$347.79
F.O.A.B. Tax at 1.5%		5.22
Unemployment Ins. Tax at 1.2%		4.17
Workmen's Comp. Ins. at $1.30 ($282.11)		3.67
at $2.75 ($ 65.68)		1.81
Total Labor -- Repairs, Utilities & Misc. Surface Work		$362.66

Outside Repairs

Rewind 15 HP G.E.Motor (ventilation blower)

L & K Electric Motor Repair Route 8, Boise, Idaho	$116.00	
Transportation on above motor	8.65	
Total Outside Repairs		$124.65
Total Repairs, Utilities and Misc. Surface Work		$487.31

PART II - DIAMOND DRILLING

Item 3 - Operating Materials and Supplies

Repair Parts

Drill Machine Parts

1	Feed Nut, #14929-C-1	$ 47.03	
			$ 47.03

Other

Bits and Shells -- Credits

1	Ex shell,	Serial	No.	N-1090	$ 43.95	
1	Ax shell	"	"	G-2784	31.22	
1	Ax shell	"	"	G-612	31.22	
1	Ax Bit	"	"	U-1769	92.65	
1	Ax Bit	"	"	S-122	92.65	
1	Ax Bit	"	"	U-1775	92.93	
1	Ax Bit	"	"	U-1771	92.65	
1	Ax Bit	"	"	N-222	92.65	
1	Ax Bit	"	"	N-221	92.65	
1	Ex shell	"	"	U-42	14.21	
1	Ex shell	"	"	G-611	43.12	
1	Ex shell	"	"	N-219	19.24	
1	Ex bit	"	"	U-43	37.58	
1	Ex bit	"	"	S-113	38.41	
1	Ex bit	"	"	G-605	38.41	
1	Ex bit	"	"	S-111	38.41	
1	Ex bit	"	"	G-607	38.41	
				Total Credits		$930.36

SUMMARY OF CHARGES FOR DECEMBER, 1952

		PART I Drifting	PART II Diamond Drilling	Totals
(2)	Labor and Supervision			
	Labor	$1,703.71	$	$1,703.71
	Supervision	398.93		398.93
	Technical Services	300.00		300.00
(3)	Operating Materials and Supplies			
	Timber	179.84		179.84
	Explosives	184.57		184.57
	Pipe	238.53		238.53
	Track	133.34		133.34
	Repair Parts	55.73	47.03	102.76
	Other	767.00	930.36*	163.36*
(4)	Operating Equipment			
	Depreciation	456.33		456.33
(7)	Miscellaneous			
	Payroll Taxes	56.77		56.77
	Liability Insurance	158.74		158.74
(8)	Contingencies			
	Power	58.79		58.79
	Repairs, Utilities & Misc. Surface Work	487.31		487.31
		$5,179.59	$883.33*	$4,296.26

* Credit

COPY

BRADLEY MINING CO.
WALLACE, IDAHO
MINE AND SMELTER
WALLACE, IDAHO

January 20, 1953

D.A.E.A. PROGRESS REPORT FOR DECEMBER, 1952

Contract Ida - 2173

Progress

2 Drift-South, in the broken zone east of the Meadow Creek fault, was driven 201 feet in December. The total length of 2 Drift-South at the end of the month was 573 feet.

Thirty-seven rounds were blasted in December, resulting in an average advance of 5.43 feet per round. Eight timber sets were required.

The mine crew averaged five to six men, working two shifts per day.

No diamond drilling was done during the month.

Geology

Advance for the first part of the month was in the rhyolite dike. The drift re-entered quartz monzonite at 468 feet, and was in quartz monzonite the remainder of the distance driven. The only mineralization encountered consisted of very minor gold in the faulted zone bordering the rhyolite dike.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Senior Engineer

KGW/ja

Form MF-194 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 1284X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75% Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2413.66	21,617.97	24,031.63			
Supervision	400.40	5,227.73	5,628.13			
Technical Services	300.00	2,400.00	2,700.00			
(3) Operating Mat'ls. and Supplies:						
Timber	242.30	4,243.55	4,485.85			
Explosives	783.48	4,894.13	5,677.61			
Pipe	138.02	262.94	400.96			
Track	166.67	681.01	847.68			
Repair Parts	114.18	808.73	922.91			
Other	904.98	10,613.48	11,518.46			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	456.33	4,788.75	5,245.08			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	75.97	326.14	402.11			
Liability Insurance	208.62	909.03	1,117.65			
(8) Contingencies (specify):						
Power	146.50	411.58	558.08			
Repairs, Utilities and Misc. Surf. Work	411.15	2,660.02	3,071.17			
TOTALS	6762.26	74,979.82	81,742.08	6762.26	74,979.82	81,742.08

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

Date 1/22/53 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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)

Above totals are adjusted for deletion of $501.27

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

$ 5071.70

Signature [signature]
(Authorized Certifying Officer)

Date 2/4/53 Vou. No. 643
(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 173 in accordance with the terms of the contract.

Signature /s/ Stephen W. Zoldok Title Mining Engr. Date 1/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engr. Date 1/27/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 1284X Contract No. Idm-E173

Operator's Name Bradley Mining Co. Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.	5666.83	240	22,510.68	799	28.17		26.88
Crosscutting	1 ft.			39,467.03	1540	25.63		
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.	1095.43	436	4,629.61	1281	3.61		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		6762.26		66,607.32				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		6762.26		81,742.08				97,368.00

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

Date 1/22/53 Operator Bradley Mining Co.

Per [signature] Title Assistant Secretary

REMARKS: Above totals are adjusted for deletion of $501.27 made in September and October, 1952

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

December 3, 1952

D.M.E.A. PROGRESS REPORT FOR NOVEMBER, 1952

Contract Idm-E173

Progress

November advance was very good. The drift south in the broken zone east of the Meadow Creek fault (2 Drift-South) was advanced 240 feet, giving it a total length of 372 feet at the end of November.

Forty-three rounds were blasted in November with an average advance of 5.58 feet per round. Eleven timber sets were installed.

The underground crew averaged six men, working two shifts per day.

Diamond drill hole DMA-4 was drilled east from the face of 2 Drift-North at an inclination of minus 54 degrees. The hole was stopped at 296 feet. Diamond drill hole DMA-5 was started in November. It is a flat hole being drilled from near the face of the "Tungsten Drift" (1 Drift-South) in a westerly direction. It is designed to cut the "Antimony Zone" about 180 feet south of the face of 3 Drift-South. The hole was drilled 140 feet and temporarily discontinued. No more diamond drilling will be done during December and January; drilling is scheduled to resume in February or March, 1953.

Average diamond drilling advance for the month was 19.60 feet per machine shift, including moving and set-up time. Total diamond drilling footage for November was 436 feet.

Geology

2 Drift-South was in barren granite to approximately 200 feet. Beyond 200 feet an area of heavy faulting was encountered and assay values began to increase. The rhyolite dike was entered at 305 feet, and was followed from 305 to 372 feet.

Although the car sample assays are quite low from 200 feet on, they are considered encouraging because they consistently show gold and antimony values and occasionally small amounts of tungsten. The highest car sample assays (from 305 to 310 feet) were 0.050 ounces per ton gold and 0.11 per cent antimony. Even though the samples from 305 to 372 feet consist to a large extent of barren dike rock, they assay some gold and antimony.

Diamond drill hole DMA-4 was designed to intersect a zone of gold-antimony mineralization known to exist in the Monday Tunnel, some 450 feet below the D.M.A. Tunnel. The hole was unsuccessful in locating the zone.

K G Wallace

K. G. Wallace
Senior Engineer

KGW/ja

November, 1952

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

PART I -- DRIFTING

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Contract Idm-E173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

482	hrs.	Straight Time	at $1.71	$ 824.22	
114	hrs.	Overtime (1½)	at 1.71	292.41	
328	hrs.	Straight Time	at 1.515	496.92	
80	hrs.	Overtime (1½)	at 1.515	181.80	
1,004	hrs.	Total Wages			$1,795.35
		F.O.A.B. Tax at 1.5%			26.93
		Unemployment Ins. Tax at 1.2%			21.54
		Workmen's Comp. Ins. at $8.06 ($1,637.28)			131.96
		Total Labor Cost			$1,975.78

Supervision

153	hrs.	Straight Time	at $1.97	$ 301.41	
33.5	hrs.	Overtime (1½)	at 1.97	98.99	
186.5	hrs.	Total Wages			$ 400.40
		F.O.A.B. Tax at 1.5%			6.01
		Unemployment Ins. Tax at 1.2%			4.80
		Workmen's Comp. Ins. at $8.06 ($367.41)			29.61
		Total Supervision Cost			$ 440.82

Total Payroll Taxes, Labor and Supervision $ 59.28

Total Liability Insurance, Labor & Supervision $ 161.57

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours St	Hours Ot	St	Ot
Bale	Min. Helper	$1.515	160	40	$242.40	$ 90.90
Barkell	Drill Help.	1.515	8		12.12	
Longacre	Miner	1.71	160	40	273.60	102.60
Martin	Miner	1.71	160	40½	273.60	103.88

Name	Class	Rate	Hours St	Hours Ot	St	Ot
Ross	Timb.Framer	$1.71	162	33.5	$277.02	$ 85.93
Washington	Min.Helper	1.515	160	40	242.40	90.90
			610	194	$1321.14	$474.21

1004 hrs. $1,795.35

125.5 shifts

Supporting Supervision Charges - Item 2

McGinley	Foreman	$1.97	153	33.5	$301.41	$98.99

186.5 hrs. $400.40

23.3125 shifts

Item 2 - Labor and Supervision

Technical Services

Engineering, Accounting and Analytical Services

Contract Idm-E173, Exhibit A, Item 7

Per Contract Amendment No. 1 $300.00

Item 3 - Operating Materials and Supplies

Contract Idm-E173, Exhibit A, Item 5

Timber

352 lin. ft.	Stull Timber	$35.20	
1907 bd. ft.	Fir Lumber	207.10	
			$242.30

Explosives

2750 lbs.	Gelex #2, 1-1/8x8, 45%	$497.75	
1400	Elec. Delay Blasting Caps	252.91	
2800 ft.	Fuse	32.82	
			$783.48

Pipe

252 ft.	Black Pipe, 2"	$104.28	
252 ft.	Black Pipe, 3/4"	33.74	
			$138.02

Track

500 ft.	Rail, 20 lb.	$166.67	
			$166.67

Repair Parts

Mucking machine parts		
2 Bumper Springs, #12A69	$ 6.60	
2 Clamps, #12A70	1.00	
Freight on above	.74	
3 Hoses	5.08	
4 Traction Valve Balance Springs, #463A	1.90	
4 Bucket Valve Balance Springs, #470A	2.30	
J-50 Jackhammer parts		
6 Gaskets, #26A55	1.32	
2 Side Rods, #68JB5	4.62	
6 Water Tubes, #27J50	10.80	
2 Chuck Holders, #A50JA55	29.82	
6 Rubbers, #67IJ50	.90	
8 Pawls, #60S84	16.40	
3 Plungers, #61S84	.90	
1 Rifle Bar, #J58J50	21.05	
1 Nut, #C64J50	6.60	
1 Spring, #18N70	.10	
1 Plunger, #17J50	.30	
Pickup parts		
1 Rotor, #AL81	.37	
1 Rotor, #AL46	.46	
24 in. Heater Hose, 5/8"	.53	
		$111.79

Other

1279	gal.	Diesel Oil	$ 226.21	
100	gal.	Stove Oil	18.20	
102	gal.	Gasoline	29.48	
26	qt.	Zerex Antifreeze	16.25	
8	gal.	Motor Oil, #30	4.66	
10	gal.	Solvent	2.92	
3	cans	Motor Mend	2.90	
1	can	Gas Guard	.75	
8		Timken Carbide Bits, MCA-1-5/8	88.88	
10	lbs.	Acid core solder	12.32	
3	kegs	Track spikes, 4½x½	62.19	
1	cyl.	Acetylene	14.14	
1	cyl.	Oxygen	6.16	
160	ft.	Wire rope, 3/8"	23.35	
1		Check valve, 1"	2.36	
6		Light globes, 200W	1.22	
				$511.99

Item 4 - Operating Equipment

Depreciation

Contract Idm-E173, Exhibit A, Item 3

Compressor	(one month)	$ 241.67	
Shovel Loader	" "	51.67	
Air Receivers (2)	" "	15.83	
Trammer	" "	102.00	
Skillsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
			$436.33

Item 8 - Contingencies

Power

Contract Idm-E173, Exhibit A, Item 5

October, 1952

5,104 KWH Electric Power at $0.013313 $ 57.74

November, 1952

8,888 KWH Electric Power at $0.0099865 $ 88.76

Total Power Cost, October-November $146.50

Repairs, Utilities and Misc. Surface Work

Contract Idm-E173, Exhibit A, Item 5

Note: Occasionally salaried supervisory personnel will perform surface jobs normally done by hourly paid man. Any such work will be charged at the hourly rate normally applicable to the type of work done. For example, a salaried man doing carpentry work will be charged for at the 1st carpenter's rate of $1.775 as specified in the contract as amended.

However, if the average hourly rate of a salaried man should be less than the hourly rate normally applicable to the type of work performed, the work will be charged at the average hourly rate computed from the salary.

Servicing Compressor and Pickup, Delivery of Oil

George R. Hansen -- Equipment Superintendent
(1st Equipment Mechanic Rate)
23 hrs. straight time at $1.775 $ 40.83

Edwin D. Adams -- Assistant Mine Supt.
(1st Equipment Mechanic Rate)
9 hrs. straight time at $1.775 15.98

Jesse V. Griffiths -- Electrical Superintendent
(1st Equipment Mechanic Rate)
8 hrs. straight time at $1.775 14.20

Willard D. Wilde -- Assistant Smelter Supt. (1st Equipment Mechanic Rate) 2 hrs. straight time at $1.775	$ 3.55
Mine Car Modifications	
Benjamin Payne, Sr. -- 1st Machinist 56 hrs. straight time at $1.775	99.40
Carl E. Tyger -- Maintenance Man (1st Machinist Rate) 12.5 hrs. straight time at $1.775	22.19
Making Track Switch	
Benjamin Payne, Sr. -- 1st Machinist 2 hrs. straight time at $1.775	3.55
Sharpening Bits, Picks, Etc.	
Benjamin Payne, Sr. -- 1st Machinist 55 hrs. Straight Time at $1.775	97.63
Loading and Hauling Mine Timbers	
Edwin D. Adams -- Assistant Mine Supt. (2nd Maintenance Mechanic Rate) 7 hrs. straight time at $1.645	11.52
Jesse V. Griffiths -- Electrical Supt. (2nd Maintenance Mechanic Rate) 2 hrs. straight time at $1.645	3.29
Lawrence E. Smith -- Fire Chief (2nd Maintenance Mechanic Rate) 14 hrs. straight time at $1.645	23.03
Carl E. Tyger -- Maintenance Man (2nd Maintenance Mechanic Rate) 19 hrs. straight time at $1.645	31.26
Willard D. Wilde -- Asst. Smelter Supt. (2nd Maintenance Mechanic Rate) 4 hrs. straight time at $1.645	6.58
Repairing and Servicing Trammer	
Jesse V. Griffiths -- Electrical Supt. (1st Electrician Rate) 3 hrs. straight time at $1.775	4.94
Total Wages	$377.95

F.O.A.B. Tax at 1.5%	$ 5.67
Unemployment Ins. Tax. at 1.2%	4.54
Workmen's Comp. Ins. at $1.30 ($373.01)	4.85
at $2.75 ($4.94)	.14
Total Repairs, Utilites and Misc. Surface Work	$393.15

PART II -- DIAMOND DRILLING

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Diamond Driller and Helper

Melvyn E. Manning -- Diamond Driller		
157 hrs. straight time at $1.775	$278.68	
21 hrs. overtime (1½) at $1.775	55.91	
Dale W. Barkell - Drill Helper		
149 hrs. straight time at $1.515	225.74	
21 hrs. overtime (1½) at $1.515	47.72	
Clifford J. Ross -- Timber Framer		
6 hrs. straight time at $1.71	10.26	
Total Wages		$618.31
F.O.A.B. Tax at 1.5%		9.27
Unemployment Ins. Tax at 1.2%		7.42
Workmen's Comp. Ins. at $8.06 ($583.76)		47.05
Total Labor Cost		$682.05
Total Payroll Taxes		$ 16.69
Total Liability Insurance		$ 47.05

Item 3 - Operating Materials and Supplies

Repair Parts

Drill machine parts		
45 in. Stainless Steel Rod, 5/8"	$ 1.69	
Water pump parts		
1 set Graphite packing	.70	
		$ 2.39

Other

Bits and Shells

1	Ax Shell, Serial No. G-2784	$ 51.73
1	Ax Bit, Serial No. U-1777	116.96
1	Ax Bit, Serial No. U-1774	116.84
1	Ax Bit, Serial No. N-221	114.66
1	Ax Bit, Serial No. U-1770	116.83
1	Ex Shell, Serial No. N-220	40.64
1	Ex Bit, Serial No. G-607	58.95
1	Ex Bit, Serial No. S-111	53.73
1	Ex Bit, Serial No. G-605	59.02
1	Ex Bit, Serial No. G-606	58.82
		$ 788.18

Bit and Shell Credits (for salvage value of diamonds)

1	Ax Shell, Serial No. U-50	$ 21.05	
1	Ax Bit, Serial No. U-1776	79.62	
1	Ax Bit, Serial No. S-126	79.62	
1	Ax Bit, Serial No. U-1772	79.62	
1	Ax Bit, Serial No. S-123	79.62	
1	Ex Bit, Serial No. S-112	29.25	
1	Ex Bit, Serial No. U-45	29.25	
	Total Credits	$ 398.03	
	Net Bit and Shell Charges for Month	$ 390.15	
1	Check Valve, 1"	2.84	
			$392.99

Item 8 - Contingencies

Repairs, Utilites and Misc. Surface Work

Machine Shop Time (at $3.00)

6 hrs. Repairing Diamond Drill Machine and Equipment	$ 18.00	
		$ 18.00

SUMMARY OF CHARGES FOR NOVEMBER, 1952

	PART I Drifting	PART II Diamond Drilling	Totals
(2) Labor and Supervision			
Labor	$1,795.35	$ 618.31	$2,413.66
Supervision	400.40		400.40
Technical Services	300.00		300.00
(3) Operating Materials and Supplies			
Timber	242.30		242.30
Explosives	783.48		783.48
Pipe	138.02		138.02
Track	166.67		166.67
Repair Parts	111.79	2.39	114.18
Other	511.99	392.99	904.98
(4) Operating Equipment			
Depreciation	456.33		456.33
(7) Miscellaneous			
Payroll Taxes	59.28	16.69	75.97
Liability Ins.	161.57	47.05	208.62
(8) Contingencies			
Power	146.50		146.50
Repairs, Utilities and Misc. Surface Work	393.15	18.00	411.15
Totals	$5,666.83	$1,095.43	$6,762.26

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

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

Month of October, 1952 Docket No. DMEA 1284X Contract No. Idn-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $97,368.00 Government Participation: 75 % Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,307.30	19,378.13	21,685.43	223.984	19378.13	21 617.97
Supervision	440.79	4,786.94	5,227.73			
Technical Services	300.00	2,100.00	2,400.00			
(3) Operating Mat'ls. and Supplies:						
Timber	160.66	4,082.89	4,243.55			
Explosives	171.95	4,722.18	4,894.13			
Pipe	61.73	201.21	262.94			
Track	100.00	581.01	681.01			
Repair Parts	36.50	772.23	808.73			
Other	1,031.03	9,582.45	10,613.48			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	512.33	4,696.42	5,208.75	140.33	4648.42	4788.75
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	74.19	256.03	330.22	70.11	256.03	326.14
Liability Insurance	211.55	707.21	918.76	201.82	707.21	909.03
(8) Contingencies (specify):						
Power		411.58	411.58			
Repairs, Utilities & Misc.						
Surface work	317.41	2,342.61	2,660.02			
TOTALS	5,725.44	69,755.65	75,481.09	5272.17	69707.65	74,979.82

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

Date 12/5/52 *Payee Bradley Mining Co.

Per G. Orton Title Assistant Secretary

*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:

$ 3954.13

Signature (Authorized Certifying Officer)

Date 12/9/52 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 173 in accordance with the terms of the contract.

Signature Horace J Reno Title Min Engr Date 12/8/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Min Engr Date 12/8/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 1284X Contract No. Idm-E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.	4,192.31	171	17,003.85	559	30.42		) 26.88
Crosscutting	1 ft.			39,727.03	1540	25.80		)
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.	1,533.13	445	3,615.45	845	4.28		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,725.44		60,346.33				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		5,725.44		75,481.09				97,368.00

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

Date 12/8/52 Operator Bradley Mining Co.

Per G. Orlow Title Assistant Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

November 10, 1952

D.M.E.A. PROGRESS REPORT FOR OCTOBER, 1952

Contract Idm-E 173

Progress

October progress was slightly below average. Total advance for the month was 171 feet, distributed as follows:

The drift in the "Tungsten Zone" (1 Drift-South) was completed to a length of 160 feet after an advance of 37 feet for the month.

A drift was driven south in the "Antimony Zone" (3 Drift-South) a total of 55 feet.

Work was resumed in 2 Drift-South in the broken zone east of the Meadow Creek fault. A distance of 79 feet was driven, making the total length of the drift 132 feet at the end of October.

Thirty-four rounds were blasted in October, resulting in an average advance of 5.03 feet per round. Nine timber sets were required, all in 1 Drift-South.

The underground crew averaged five to six men, working two shifts per day.

Diamond drill holes DMA-2 and DMA-3 were drilled in October. The total length of drilling was 445 feet. Hole DMA-2 was drilled 249 feet west through the Meadow Creek fault from the face of 2 Drift-North. Hole DMA-3 was drilled 196 feet slightly south of west through the Meadow Creek fault from the main crosscut.

Average diamond drilling advance was 18.94 feet per machine shift, including moving and set-up time.

Geology

Assays in the "Tungsten Zone" continued to be low in October. 1 Drift-South was turned ~~north~~ West to crosscut the mineralized zone and was stopped in fresh granite beyond the zone.

The short drift in the "Antimony Zone" was driven in low-grade antimony-gold mineralization. Car samples averaged 0.25 percent antimony and 0.027 ounces per ton gold.

The advance in 2 Drift-South disclosed only altered and fractured granite, essentially barren of ore mineralization.

The two diamond drill holes drilled through the Meadow Creek fault served to locate the lamprophyre dike that borders the fault on the west side, and test the ground beyond the dike. Hole no. DMA-2 penetrated fresh granite beyond the dike, while hole no. DMA-3 bottomed in altered and brecciated granite that carried no values.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Senior Engineer

October, 1952

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

Part I -- Drifting

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Contract Idm - S 173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

485	hrs.	Straight Time at $1.71	$ 829.35	
56	hrs.	Overtime (1½) at $1.71	143.64	
329	hrs.	Straight Time at $1.515	498.44	
40	hrs.	Overtime (1½) at $1.515	90.90	
910	hrs.	Total Wages		$1,562.33
		F.O.A.B. Tax at 1.5%		23.43
		Unemployment Insurance Tax at 1.2%		18.75
		Workmen's Comp. Insurance at $8.06 ($1,484.15)		119.62
		Total Labor Cost		$1,724.13

Supervision

178	hrs.	Straight Time at $1.97	$ 350.66	
30½	hrs.	Overtime (1½) at $1.97	90.13	
208½	hrs.	Total Wages		$ 440.79
		F.O.A.B. Tax at 1.5%		6.61
		Unemployment Insurance Tax at 1.2%		5.29
		Workmen's Comp. Ins. at $8.06 ($410.75)		33.11
		Total Supervision Cost		$ 485.80

Total Payroll Taxes, Labor and Supervision $ 54.08

Total Liability Insurance, Labor and Supervision $ 152.73

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours S.T.	Hours O.T.	S.T.	O.T.
Bale	Miner's Helper	$1.515	153	16	$231.80	$36.36
Berkell	" "	1.515	8	8	12.12	18.18
Longacre	Miner	1.71	176	24	300.96	61.56
Martin	"	1.71	177	24	302.67	61.56
Ross	Timber Framer	1.71	132	8	225.72	20.52
Washington	Miner's Helper	1.515	168	16	254.52	36.36
			814	96	$1327.79	$234.54

910 hrs. $1,562.33

113.75 shifts

Supporting Supervision Charges - Item 2

McGinley	Foreman	$1.97	178	30½	$350.66	$90.13

208½ hrs. $440.79

26.0625 shifts

Item 2 - Labor and Supervision

Technical Services

Engineering, Accounting and Analytical Services

Contract Idm - E 173, Exhibit A, Item 7

Per Contract Amendment No. 1 $300.00

Item 3 - Operating Materials and Supplies

Contract Idm - E 173, Exhibit A, Item 5

Timber

260	lin. ft.	Stull Timber	$26.00	
1240	bd. ft.	Fir lumber, 3"	134.66	
				$160.66

Explosives

900	lbs.	Gelex #2, 1-1/8x8, 45%	$162.90	
500		Blasting Caps, #6	9.05	
				$171.95

Pipe

84	ft.	Black Pipe, 2"	$ 34.76	
84	ft.	Black Pipe, 1"	15.72	
84	ft.	Black Pipe, 3/4"	11.25	
				$ 61.73

Item 3 - Operating Materials and Supplies - continued

Track

300 ft.	Rail, 20 lb.	$100.00	
			$100.00

Repair Parts

6	Leathers for Jackleg	$ 5.10	
4	Seats for Jackleg	.80	
1	Rocker chain for muaking machine	28.28	
1	Door latch for Pickup	2.32	
			$ 36.50

Other

864 gal.	Diesel oil	$152.93	
185 gal.	Stove oil	40.22	
66.1 gal.	Gasoline	19.36	
2 qt.	Zerex Antifreeze	1.25	
13 gal.	Motor oil, #30	7.58	
18 qt.	Starting fluid for Compressor	14.17	
6	Timken carbide bits, MCA 1-5/8	66.66	
1 lb.	Acid core solder	1.23	
1 keg	Track spikes	20.73	
7 ft.	Drill steel, 1" Hex	13.71	
4	Files, 3/8 x 8", for chain saw	3.45	
1	Check valve, 3/4"	2.48	
4	Pipe Nipples, 3/4 x 2"	.44	
2	Pipe Unions, 3/4"	1.56	
1	Street Elbow, 3/4"	.31	
1	Jaw worm and pin for wrench	.32	
1	Pin for 12" wrench	.09	
2	Pipe reducer bushings, 3 x 2"	.52	
4	Hose clamps, 1-1/4"	4.84	
3	Wing nuts, #LI 132	3.36	
3	Hose nipples, 1"	2.49	
4	Hose mender stems, 1"	2.60	
4	Wing nuts, 1¼"	3.96	
4	Hose nipples, 1¼"	4.88	
1	Hose mender, 1¼"	.77	
1	Hose mender, 1¼"	.80	
4	Filter Elements, X-17	4.44	
1	Filter Element, X-14	.73	
			$375.80

Item 4 - Operating Equipment

Depreciation

Contract Idm - E 173, Exhibit A, Item 3

Item 4 - Operating Equipment - continued

Compressor	(one month)	$241.67	
Shovel Loader	" "	51.67	
Air receiver (2)	" "	15.83	
Tramper	" "	102.00	
Skillsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor*		56.00	
			$512.33

* 7 hrs. at $8.00 (Tractor and Operator)

Item 5 - Contingencies

Power

Contract Idm - E 173, Exhibit A, Item 5

Not billed for October; will be charged next report

Repairs, Utilities and Misc. Surface Work

Contract Idm - E 173, Exhibit A, Item 5

Note: Occasionally salaried supervisory personnel will perform surface jobs normally done by hourly paid men. Any such work will be charged at the hourly rate normally applicable to the type of work done. For example, a salaried man doing carpentry work will be charged for at the 1st Carpenter's rate of $1.775 as specified in the contract as amended.

However, if the average hourly rate of a salaried man should be less than the hourly rate normally applicable to the type of work performed, the work will be charged at the average hourly rate computed from the salary.

Servicing Compressor and Pickup, Delivering Oil

George R. Hansen - Equipment Superintendent
(1st Equipment Mechanic rate)
7 hrs. Straight Time at $1.775 $ 12.43

Mine Car Modifications

Benjamin Payne, Sr. - 1st Machinist
15 hrs. Straight Time at $1.775 $ 26.63

Carl E. Tyger - 1st Carpenter
13 hrs. Straight time at $1.775 $ 23.08

Mucking Machine Repairs

Benjamin Payne, Sr. - 1st Machinist
3 hrs. Straight Time at $1.775 $ 5.33

George R. Hansen - Equipment Superintendent
(1st Equipment Mechanic rate)
5.5 hrs. Straight Time at $1.775 $ 9.76

Fabricating Vent Pipe

Benjamin Payne, Sr. - 1st Machinist
7 hrs. Straight Time at $1.775 $12.43

Sharpening Bits and Picks

Benjamin Payne, Sr. - 1st Machinist
76 hrs. Straight Time at $1.775 $134.90

Forging and Tempering Drill Steel

Benjamin Payne, Sr. - 1st Machinist
16 hrs. Straight Time at $1.775 $28.40

Total Wages		$252.96
F.O.A.B. Tax at 1.5%		3.79
Unemployment Ins. Tax at 1.2%		3.04
Workmen's Comp. Insurance at $1.30 ($229.88)		2.99
at $2.75 ($23.08)		.63
Total Repairs, Utilities and Misc. Surface Work		$263.41

Part II -- Diamond Drilling

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Diamond Driller and Helper

Note: The diamond driller, Melvyn E. Manning, is a salaried employee and was Shop Shift Supervisor until the time he began drilling for this project. Effective November 1, 1952, his job classification will be changed to Diamond Driller at an hourly wage rate of $1.775. Until November 1, 1952, however, his work on the project will be charged at his salary rate of $445.00 per month or fraction thereof.

Melvyn E. Manning - Shop Shift Supervisor (Driller)		
188 hrs. at $445.00/mo. (188 hrs.)	$445.00	
Dale W. Berkell - Miner's Helper		
168 hrs. Straight Time at $1.515	$254.52	
20 hrs. Overtime (1½) at $1.515	45.45	
Total Wages		$744.97
F.O.A.B. Tax at 1.5%		11.17
Unemployment Ins. Tax at 1.2%		8.94
Workman's Comp. Ins. at $8.06 ($729.82)		58.82
Total Labor Cost		$823.90
Total Payroll Taxes		$ 20.11
Total Liability Insurance		$ 58.82

Item 3 - Operating Materials and Supplies

Other

Bits and Shells

1	Bx shell, Serial No. 1091	$ 60.45
1	Ax shell, Serial No. G-612	50.72
1	Ax shell, Serial No. V-50	44.07
1	Ax Bit, Serial No. U-1772	116.78
1	Ax Bit, Serial No. S-122	112.30
1	Ax Bit, Serial No. N-222	114.72
1	Ax Bit, Serial No. U-1771	117.44
1	Ax Bit, Serial No. U-1775	117.02
1	Ex shell, Serial No. G-611	43.12
1	Ex shell, Serial No. N-219	40.64
1	Ex shell, Serial No. U-42	40.64
1	Ex Bit, Serial No. S-113	53.79
1	Ex Bit, Serial No. U-43	55.28
1	Ex Bit, Serial No. U-45	54.68
		$1,021.85

Item 3 - Operating Materials and Supplies - continued

Bits and Shell Credits (for salvage value of diamonds)

1	Ax shell, Serial No. U-49	$ 28.96
1	Ax bit, Serial No. S-117	85.21
1	Ax bit, Serial No. S-118	85.21
1	Ax bit, Serial No. S-119	85.21
1	Ex shell, Serial No. U-41	19.25
1	Ex bit, Serial No. U-47	38.65
1	Ex bit, Serial No. U-44	38.65
1	Ex bit, Serial No. S-110	38.65
	Total Credits	$419.79

Net Bit and Shell Charges for Month $602.06

1	Ex 306-10 Core Barrel, 10 ft.	$ 43.00	
100#	Lumnite cement	7.05	
0.5#	Garlock Packing, 3/8"	.66	
1.0#	Garlock Packing, 3/16"	2.46	
			$655.23

Item 8 - Contingencies

Repairs, Utilities and Misc. Surface Work

Machine Shop Time (at $1.00)

18 hrs. Repairing Diamond Drill Equipment	$ 54.00

SUMMARY OF CHARGES FOR OCTOBER, 1952

	Part I Drifting	Part II Diamond Drilling	Totals
(2) Labor and Supervision			
Labor	$1,562.33	$744.97	$2,307.30
Supervision	440.79		440.79
Technical Services	300.00		300.00
(3) Operating Materials and Supplies			
Timber	160.66		160.66
Explosives	171.95		171.95
Pipe	61.73		61.73
Track	100.00		100.00
Repair Parts	36.50		36.50
Other	375.80	655.23	1,031.03
(4) Operating Equipment			
Depreciation	512.33		512.33
(7) Miscellaneous			
Payroll Taxes	54.08	20.11	74.19
Liability Insurance	152.73	58.82	211.55
(8) Contingencies			
Repairs, Utilities and Misc. Surface work	263.41	54.00	317.41
Totals	$4,192.31	$1,533.13	$5,725.44

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. 550

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Spokane Washington 11/28/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-2173

To Bradley Mining Co.
(Payee)

Stibnite, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Sept. 1952	As per attached certified form MF-104 dated 11/7/52				4,932	79
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	4,932	79

(Payee must NOT use this space)

Differences .....

Account verified; correct for 4,932 79

(Signature or initials) .....

Contract No. Idm-2173 Date Req. No. Date Invoice Rec'd.

4,932.79

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
1X4140	Revolving Fund, Defense Production Act, Interior	4,932.79	4,932.79

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
DEC 4 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 1284X Contract No. Idm E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $97,368.00 Government Participation: 75 % Amount, $73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2138.28	17,239.85	19,378.13			
Supervision	387.60	4,399.34	4,786.94			
Technical Services	300.00	1,800.00	2,100.00			
(3) Operating Mat'ls. and Supplies:						
Timber	527.43	3,555.46	4,082.89			
Explosives	280.53	4,441.65	4,722.18			
Pipe	37.40	163.81	201.21			
Track	133.35	447.66	581.01			
Repair Parts	14.16	758.07	772.23			
Other	1717.04	7,865.41	9,582.45			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	496.42	4,200.00	4,696.42	448.42		4648.42
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	68.18	187.85	256.03			
Liability Insurance	193.03	514.18	707.21			
(8) Contingencies (specify):						
Power	69.64	341.94	411.58			
Repairs, Utilities and Mis. surface work	261.99	2,080.62	2,342.61			
TOTALS	6625.05	63,130.60	69,755.65	6577.05	63,130.60	69,707.65

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

Date 11/3/52 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secretary

*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:

$4,932.79

Signature [signature]
(Authorized Certifying Officer)

Date 11/24/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6173 in accordance with the terms of the contract.

Signature Horace J Reno Title Min Engr. Date 11-10-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Min Engr Date 11-24-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 4 1952

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

Month of September 1952 Docket No. DMEA 1284X Contract No. Idm - E 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft	4542.73	89	12811.54	388	33.02)		26.88
Crosscutting	1 ft			39727.03	1540	25.80)		
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft	2082.32*	400	2082.32*	400	5.21*		5.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		6625.05		54620.89				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5576.76				7,000.00
TOTAL COSTS		6625.05		69755.65				97,368.00

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

Date 11/7/52 Operator Bradley Mining Co.

Per G. A. Orton Title Assistant Secretary

REMARKS: *Before bit credits are applied (see supporting detail)

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

October 31, 1952

D.M.S. [illegible] 1952

Contract Idm - # 173

Progress

September progress was below average. Total advance for the month was [illegible] feet, all in 1 Drift-South (in the "Tungsten Zone"). This drift now has a total length of 123 feet.

The slow advance for the month may be attributed to six factors:

1 - There was a temporary shortage of labor -- the underground crew averaged only four men, including supervisor, making it impossible to work two shifts a day except for the last two days of the month.

2 - As a safety measure an underground fire door was installed about 100 feet inside the crosscut.

3 - The portal timber and track arrangement was revised to provide for adequate clearance and a more favorable track curve leading to the trestle.

4 - The dump trestle was lengthened 24 feet.

5 - Two and one-half days were spent cutting a diamond drill station at the face of 2 Drift-North. This work is not included in the total advance for the month.

6 - As the road to Stibnite will not be kept open during the coming winter season it has been necessary to anticipate our supplies requirements for a six month period. During September a large part of the necessary track, pipe, timber, explosives and other supplies were hauled to the project area so as to be readily available when needed.

Sixteen drift rounds were blasted in September, resulting in an average advance of 5.50 feet per round. Twelve timber sets were required -- ten in 1 Drift-South and two in the diamond drill station.

Diamond drill hole No. DMA-1 was drilled in September. The hole was drilled north from the face of 2 Drift-North, parallel to the Meadow Creek fault zone. It was completed to a length of 400 feet at the end of the month.

Geology

The drifting done in the "Tungsten Zone" failed to disclose any ore. The strong fault structure that was characteristic of the zone where exposed in the main crosscut continued in the direction of drifting, but values were very low. The highest car sample assays during the month were 0.030 oz./ton gold, 0.26% antimony, and 0.04% tungstic oxide.

Diamond drill hole No. DMA-1 was practically barren its entire length. A few areas of minor sulfide mineralization were visible in the core but were not expressed in the sludge assays. The hole was in granite from start to finish. A complete log of the hole is enclosed with the report.

K. G. Wallace
Senior Engineer

KGW/ja

September, 1952

BRADLEY MINING CO.

STIBNITE, IDAHO

MONTHLY SUMMARY SUPPORTING DETAIL

PART I -- DRIFTING

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Contract Idm - S 173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

544 hrs.	Straight time	at	$1.71	$930.24	
90 "	Overtime (1½)	at	1.71	230.85	
176 "	Straight time	at	1.515	266.64	
194 "	Overtime (1½)	at	1.515	44.31	
829.5 hrs.		Total Wages			$1,472.04
		F.O.A.B. Tax at 1.56			22.08
		Unemployment Ins. Tax at 1.2			17.66
		Workmen's Compensation Ins. at $8.06 ($1,380.32)			111.25
		Total Labor Cost			$1,623.03

Supervision

160 hrs.	Straight Time	at	$1.97	$315.20	
24.5 "	Overtime (1½)	at	1.97	72.40	
184.5 hrs.		Total Wages			$ 387.60
		F.O.A.B. Tax at 1.5[illegible]			5.81
		Unemployment Ins. Tax at 1.2[illegible]			4.65
		Workmen's Compensation Ins. at $8.06 ($363.47)			29.30
		Total Supervision Cost			$ 427.36

Total Payroll Taxes, Labor and Supervision $ 50.20

Total Liability Insurance, Labor & Supervision $ 140.55

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours St.	Hours OT	St.	OT
Bale	Miner's Help.	$1.515	160	19.5	$242.40	$44.31
Longacre	Miner	1.71	168	35.5	287.28	91.06
Mahlik	Miner	1.71	40	8	68.40	20.52
Martin	Miner	1.71	168	26.5	287.28	67.97
Ross	Timb.Framer	1.71	168	20	287.28	51.30
Washington	Min. Helper	1.515	16	00	24.24	00
			720	109.5	$1196.88	$275.16

829.5 hrs. $1,472.04

103.6875 shifts

Supporting Supervision Charges - Item 2

McGinley	Foreman	$1.97	160	24.5	$315.20	$72.40

184.5 hrs. $387.60

23.0625 shifts

Item 2 - Labor and Supervision

Technical Services

Engineering, Accounting and Analytical Services

Contract Idm - E 173, Exhibit A, Item 7

Per Contract Amendment No. 1 $300.00

Item 3 - Operating Materials and Supplies

Contract Idm - E 173, Exhibit A, Item 5

Timber

320	lin. ft.	Stull Timber	$ 32.00	
4,562	bd. ft.	Fir lumber, 3"	495.43	
				$ 527.43

Explosives

750	lbs.	Gelex #2, 1-1/8 x 8, 45%	$ 135.75	
750		Electric Delay Blasting Caps	143.88	
8	lbs.	Blasting Wire	.90	
				$ 280.53

Pipe

40	ft.	Black Pipe, 3"	$ 30.09	
40	ft.	Black Pipe, 1"	7.31	
				$ 37.40

Track

400 ft	Rail, 20 lb.	$133.35	
			$133.35

Repair Parts

2	Piston Packing Leathers, JL4 Jackleg	$ 1.70	
18	Retainers, compressor	1.75	
1	Mall Saw Chain	6.87	
1	Dimmer Switch, Pickup	1.00	
1	Check Valve, 1", Compressor	2.84	
			$ 14.16

Other

833 gal.	Diesel Oil	$147.44	
104 gal.	Stove Oil	18.93	
41.3 gal.	Gasoline	12.43	
14 gal.	Zerex Antifreeze	35.00	
1 cyl.	Acetylene	12.71	
1 cyl.	Oxygen	6.14	
8	Timken carbide bits, MCA-1-5/8	88.56	
6	Tamping sticks	10.18	
6	Round point shovels, #2	13.26	
2	Square point shovels, #2	4.58	
350 ft.	Manila rope, 3/8"	8.02	
1	Round bastard file, 10"	.43	
6	Mill bastard files, 8"	1.68	
2	File handles, #3	.37	
8	Heel jaws for 18" pipe wrench	4.10	
2	Norton cutting wheels, A 245	4.84	
2	Strap hinges, 10"	1.42	
10 lb.	Common nails, 20d	1.06	
10 lb.	Common nails, 12d	1.08	
10	USS Capscrews, 5/16 x 2½	.25	
10	USS Nuts, 5/16	.11	
1	Pipe cap, 1/2"	.13	
1	Pipe plug, 1/2"	.05	
1	Dayton coupling, 3"	2.55	
2	90° Galv. Ell, 3"	5.46	
2	Nipples, 3 x 6"	1.50	
2	Nipples, 3 x 4"	1.32	
4	Nipples, 1 x 4"	.83	
6	Nipples, 3/4 x 2"	.65	
2	Street Ells, 1"	.69	
2	45° Ells, 1"	.74	
6	Core Valves, 1"	14.10	
2	Core Valves, 1/2"	1.88	
6	Pipe bushings, 1/2 to 3/4"	.65	
6	Pipe bushings, 3/4 to 1"	1.15	
4	Galv. Unions, 3/4"	3.13	
			$407.42

Item 4 - Operating Equipment

Depreciation

Contract Idm - E 173, Exhibit A, Item 3

Compressor	(1 month)	$241.67	
Shovel Loader	" "	51.67	
Air Receiver (1)	1 month	7.92	
Trammer	" "	102.00	
Skillsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pick up truck	" "	33.33	
Tractor*		48.00	
			$496.42

* 6 hrs. at $8.00 (Tractor and Operator)

Item 8 - Contingencies

Power

Contract Idm - E 173, Exhibit A, Item 5

3,840 KWH Electric Power at $0.0181364 $ 69.64

Repairs, Utilities and Misc. Surface Work

Contract Idm - E 173, Exhibit A, Item 5

Note: Occasionally in the coming months salaried supervisory personnel will perform surface jobs normally done by hourly paid men. Any such work will be charged at the hourly rate normally applicable to the type of work done. For example, a salaried man doing carpentry work will be charged for at the 1st carpenter's rate of $1.775 as specified in the contract as amended.

However, if the average hourly rate of a salaried man should be less than the hourly rate normally applicable to the type of work performed, the work will be charged at the average hourly rate computed from the salary.

Servicing Compressor, Delivering Oil

George R. Hansen - Equipment Superintendent
(1st Equipment Mechanic Rate)
4 hrs. straight time at $1.775 $ 7.10

Edwin D. Adams - Asst. Mine Superintendent
(1st Equipment Mechanic Rate)
1 hr. straight time at $1.775 $ 1.78

Filing Saws

Carl E. Tyger - 1st Carpenter 4 hrs. straight time at $1.775	$ 7.10	

Unloading Supplies

Leon N. Barr - Smelter Statistician (Laborer Rate) 2 hrs. straight time at $1.32	$ 2.64	

Sharpening Bits

Benjamin Payne, Sr. - 1st Machinist 68 hrs. straight time at $1.775	$120.70	
Total Wages		$139.32
F.O.A.B. Tax at 1.5%		2.09
Unemployment Ins. Tax at 1.2%		1.67
Workmen's Comp. Ins. at $1.30	($129.58)	1.68
at 1.65	(2.64)	.04
at 2.75	(7.10)	.19
		$144.99

Blacksmith Shop Time (at $3.00)

16 hrs. Tempering Drill Steel	$ 48.00

Equipment Shop Time (at $3.00)

11 hrs. Servicing and Repairing Pickup Truck	$ 33.00
Total Repairs, Utilities and Misc. Surface Work	$225.99

PART II -- DIAMOND DRILLING

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Diamond Driller and Helper

Note: The diamond driller, Melvyn E. Manning, is a salaried employee and was Shop Shift Supervisor until the time he began drilling for this project. Effective November 1, 1952, his job classification will be changed to Diamond Driller at an hourly wage rate of $1.775. Until November 1, 1952, however, his work on the project will be charged at his salary rate of $445.00 per month or fraction thereof.

Melvyn E. Manning - Shop Shift Supervisor (Driller)		
172 hrs. at $445.00/mo. (196 hrs.)	$390.51	
Dale W. Barkell - Miner's Helper		
152 hrs. straight time at $1.515	$230.28	
20 hrs. overtime (1½) at $1.515	45.45	
Total Wages		$666.24
F.O.A.B. Tax at 1.5%		$ 9.99
Unemployment Ins. Tax at 1.2%		7.99
Workmen's Comp. Ins. at $8.06 ($651.09)		52.48
Total Labor Cost		$736.70
Total Payroll Taxes		$ 17.98
Total Liability Insurance		$ 52.48

Item 3 - Operating Materials and Supplies

Note: Diamond drill bit charges as shown are the full bit charges before credits are applied. Used bits are returned to the supplier and the salvage value of the diamonds is credited to us. These credits will be reported in succeeding reports as they are received. The effect of this procedure on the costs reported for this month is to greatly increase the apparent diamond drilling expense over what the actual costs will eventually be after bit credits are applied.

Other

1	Bx Bit, Serial No. T-2241	$100.90
1	Bx Shell, Serial No. N-1090	60.45
1	Ax Bit, Serial No. S-119	113.70
1	Ax Bit, Serial No. U-1769	117.73
1	Ax Bit, Serial No. S-123	113.22
1	Ax Bit, Serial No. S-126	111.24
1	Ax Bit, Serial No. S-118	111.96
1	Ax Bit, Serial No. U-1776	117.56

Item 3 - Operating Materials and Supplies - continued

1	Ax Bit, Serial No. S-117	$111.84	
1	Ax Shell, Serial No. U-49	44.13	
1	Ex Bit, Serial No. U-47	54.86	
1	Ex Bit, Serial No. S-112	53.79	
1	Ex Bit, Serial No. U-44	54.62	
1	Ex Bit, Serial No. S-110	53.73	
1	Ex Shell, Serial No. U-41	40.64	
4	Fluid Piston Cup Leather (for pump)	.92	
16	Stuffing Box Packing " "	3.46	
4	Ax Core Springs	8.59	
1	Weatherhead Fitting, 68 x 5	.26	
1	Oil Can, 2 gal.	2.21	
1	Alemite Hydraulic Couple	2.79	
4	Bushings, 3/4 to 1"	.77	
3	Bushings, 1¼ to 1"	.39	
1	Bushing, 2 to 1½"	.23	
1	Gate Valve, 1½"	7.09	
6	Nipples, 1 x 4"	1.25	
6	Nipples, 1 x 6"	1.58	
4	Nipples, 3/4 x 6"	.77	
4	Nipples, 1 x 2"	.62	
4	Nipples, 3/4 x 2"	.44	
2	Nipples, 3/4 x 4"	.58	
1	Tee, 2 x 3/4"	.84	
1	Tee, 4"	1.58	
4	Tees, 1"	1.64	
2	Ells, 3/4 x 90°	.53	
2	Ells, 3/4 x 45°	.51	
7	Spuds, 3/4"	5.32	
6	Spuds, 1"	5.82	
4	Sleeves, 1"	1.06	
	Total Diamond Drill Supplies		$1,309.62

Item 8 - Contingencies

Repairs, Utilities and Misc. Surface Work

Machine Shop Time (at $3.00)

12 hrs. Repairing Diamond Drill and Drill Equipment	$ 36.00	
		$ 36.00

SUMMARY OF CHARGES FOR SEPTEMBER, 1952

	Part I Drifting	Part II Diamond Drilling	Total
(2) Labor and Supervision			
Labor	$1,472.04	$ 666.24	$2,138.28
Supervision	387.60		387.60
Technical Services	300.00		300.00
(3) Operating Materials and Supplies			
Timber	527.43		527.43
Explosives	280.53		280.53
Pipe	37.40		37.40
Track	133.35		133.35
Repair Parts	14.16		14.16
Other	407.42	1,309.62	1,717.04
(4) Operating Equipment			
Depreciation	496.42		496.42
(7) Miscellaneous			
Payroll Taxes	50.20	17.98	68.18
Liability Insurance	140.55	52.48	193.03
(8) Contingencies			
Power	69.64		69.64
Repairs, Utilities and Misc. Surface Work	225.99	36.00	261.99
Totals	$4,542.73	$2,082.32	$6,625.05

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. Wash

Bu. Vou. No. DMA-444

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 10/23/52
(Give place and date)

THE UNITED STATES, Dr.,

Payee's Account No. Idn-E 173

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

To Bradley Mining Co.,
(Payee)

Stibnite, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	August 1952	As per attached certified form MF-104 dated October 6, 1952				3,741	17
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 3,741 17

(Payee must NOT use this space)

Differences

Account verified; correct for 3,741 17

(Signature or initials)

Contract No. Idn-E 173 Date Req. No. Date Invoice Rec'd.

3,741.17

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	3,741.17	3,741.17

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

September 26, 1952

U.S.A.E.C. PROGRESS REPORT FOR AUGUST, 1952

Contract Idm-E 173

Progress

August progress was quite good; total advance for the month was 228 feet. The first half of the month 2 Drift-North (in the broken zone east of the Meadow Creek fault) was advanced 152 feet. The total length of the drift is 217 ft.

From the 20th through the 26th of the month, 2 Drift-South was driven 53 feet in the broken zone east of the Meadow Creek fault.

The drift south in the "Tungsten Zone" (1 Drift-South) was advanced 23 feet from the 27th until the end of the month. Total length of this drift was 34 feet at the end of August.

Forty-two rounds were blasted in August, resulting in an average advance of 5.43 feet per round. Only six timber sets were required.

The underground crew averaged about seven men working two shifts per day.

Geology

Geologically, results for the month were rather disappointing. The northeast-trending structure that was the objective of 2 Drift-North was not found. The rock in both 2 Drift-North and 2 Drift-South was altered granite, with abundant fine-grained pyrite and minor gold-antimony mineralization. Diamond drill stations will be cut at the face of each drift, and core drilling will be employed to further explore this area.

The short distance 1 Drift-South was driven in the "Tungsten Zone" verified the continuity of the mineralized fault zone. However the scheelite content of the rock is very low and spotty.

K. G. Wallace
K. G. Wallace
Senior Engineer

KGW/ja

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

Budget Bureau No. 42-R[illegible]
Approval expires 6-[illegible]-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

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

Month of August, 1952 Docket No. DMEA 1284[illegible] Contract No. Idm-3173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75% Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2059.02	15,180.83	17,239.85			
Supervision	398.93	4,000.41	4,399.34			
Technical Services	300.00	1,500.00	1,800.00			
(3) Operating Mat'ls. and Supplies:						
Timber	201.13	3,354.33	3,555.46			
Explosives	511.09	3,930.56	4,441.65			
Pipe	73.73	93.08	166.81			
Track	290.66	156.80	447.86			
Repair Parts	112.50	645.57	758.07			
Other	309.82	7,555.59	7,865.41			
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation		4,200.00	4,200.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	66.37	121.48	187.85			
Liability Insurance	181.07	333.11	514.18			
(8) Contingencies (specify):						
Power	50.97	290.97	341.94			
Repairs, Utilities & Misc. Surface wk.	435.74	1,644.88	2,080.62			
TOTALS	4988.23	58,142.37	63,130.60	4,988.23	58,142.37	63,130.60

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

Date 10/6/52 *Payee Bradley Mining Co.

Per [signature] Title Assistant Secty.

*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:

$ 3,741.12

Signature [signature]
(Authorized Certifying Officer)

Date 10/22/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA 1204 Contract No. Idm-3173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.	4986.23	228	8,268.81	299	27.65	3,000	26.88
Crosscutting	1 ft.			39,727.03	1540	25.80		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4986.23		47,995.84				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		4986.23		63,130.60				97,368.00

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

Date 10/6/52 Operator Bradley Mining Co.

Per [signature] Title Assistant Secty.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

AUGUST, 1952

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUMMARY SUPPORTING DETAIL

Item 2 - Labor and Supervision

Item 7 - Payroll Taxes and Liability Insurance

Contract Idm-E 173, Exhibit A, Item 4

Labor

Timber Framers, Miners, Helpers

576	hrs.	Straight Time	at $1.71	$984.96	
137	hrs.	Overtime (1½)	at $1.71	351.41	
384	hrs.	Straight Time	at $1.515	581.76	
62	hrs.	Overtime	at $1.515	140.89	
1159	hrs.		Total Wages		$2,059.02
		F.O.A.B. Tax	at 1.5%	$ 30.89	
		Unemployment Ins. Tax	at 1.2%	24.71	
		Workmen's Compensation Insurance at $8.06 (1,894.92)		152.73	208.33
		Total Labor Cost			$2,267.35

Supervision

130.5	hrs.	Straight Time	at $1.97	$257.09	
48	hrs.	Overtime (1½)	at $1.97	141.84	
178.5	hrs.		Total Wages		$ 398.93
		F.O.A.B. Tax	at 1.5%	5.98	
		Unemployment Ins. Tax	at 1.2%	4.79	
		Workmen's Comp. Ins. at $8.06 ($351.65)		28.34	39.11
		Total Supervision Cost			$ 438.04

Total Payroll Taxes, Labor and Supervision $ 66.37

Total Liability Insurance, Labor & Supervision $ 181.07

Supporting Labor Charges - Item 2

Name	Class	Rate	Hours Sten.	Hours OTime	Sten.	Overtime
Baker	Timber Fr.	$1.71	16	8	$ 27.36	$ 20.52
Bale, C.	Min.Helper	1.515	160	29	242.40	65.90
Crackwick	Min.Helper	1.515	88	17	133.32	38.63
Lauffenburger	Min.Helper	1.515	136	16	206.04	36.36
Langsere	Miner	1.71	160	40	273.60	102.60
Mahlik	Miner	1.71	160	40	273.60	102.60
Martin	Miner	1.71	160	41	273.60	105.17
Ross	Timb.Fr.	1.71	80	8	136.80	20.52
			960	199	$1,566.72	$492.30

1,159 hr. $2,059.02

144.875 shifts

Supporting Supervision Charges - Item 2

McGinley	Foreman	$1.97	130.5	48	$257.09	$141.84

178.5 hr. $ 398.93

22.3125 shifts

Item 2 - Labor and Supervision

Technical Services
Engineering, Accounting and Analytical Services

Contract Idm-E 173, Exhibit A, Item 4

Per Contract Amendment No. 1 $ 300.00

Item 3 - Operating Materials and Supplies

Contract Idm-E 173, Exhibit A, Item 5

Timber

176 Lin. Ft.	Stull Timber	$ 26.24	
1610 ~~Lin.~~ Bd. Ft.	Fir Lumber, 3"	174.89	
			$ 201.13

Explosives

2500 Lbs.	Gelex #2 1-1/8 x 8, 45%	452.50	
5000 Ft.	Fuse	58.59	
			$ 511.09

Item 3 - Operating Materials and Supplies - continued

Pipe				
42	Ft.	Galv. Pipe, 2"	$ 30.77	
63	Ft.	Black Pipe, 2"	24.61	
84	Ft.	Black Pipe, 1"	15.35	
				$ 70.73
Track				
742	Ft.	Rail, 20#	$290.86	
				$290.86
Repair Parts				
12		Valve Springs, #5155209	$ 13.80	
6		Injectors, #5226935	86.94	
1		Cylinder Head Overhaul Gasket Kit	11.76	
		All of Above for Compressor		$112.50
Other				
850	gal.	Diesel oil	$149.75	
29	gal.	Stove oil	5.28	
92	gal.	Gasoline	25.26	
12	gal.	Motor oil, #30	7.00	
1	bbl.	Quaker State Motor Oil, #10	29.74	
1	set	Threading dies, 1"	2.98	
1		Mill Bastard File, 12"	.57	
2		Mill Bastard File, 10"	.87	
4		Unions, 2"	8.76	
2		Plugs, 1"	.17	
6		Plugs, 3/4"	.60	
6		Plugs, 1/2"	.28	
1		Iron Cock Valve	2.94	
200	ft.	Used Wire Rope, 1/2"	10.00	
24	ft.	Wire Rope, 5/16"	2.50	
3		Crosby Clamps, 5/8"	1.39	
10		Crosby Clamps, 1/2"	3.90	
8		Crosby Clamps, 5/16"	3.01	
1		Thimble, 3/4"	.99	
2		Thimbles, 1/2"	.98	
1	pr.	Safety Glasses	2.32	
1		Water Bag, 2 gal.	1.01	
1		Respirator, #94	3.30	
1		Used Face Shield	3.00	
2	pr.	Hasps, 2½"	.20	
14		Drift Pick Handles, 34"	16.10	
2		Axe Handles, 36"	2.52	
60	lbs.	Track Bolts, 1/2x2"	12.85	
1		Vitrified Grinding wh.	6.00	
12		Grady Wedges, #5	.39	
2		Oil Filters, P-50	2.22	
2		Oil Filters, X-17	2.22	
1		Oil Filter, X-10	.72	
				$309.82

Item 4 - Operating Equipment

Depreciation

Contract Idm - E 173, Exhibit A, Item 3

Compressor	(one month)	$241.67	
Shovel Loader	" "	51.67	
Air Receiver (1)	" "	7.92	
Trammer	" "	102.00	
Skillsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor*		32.00	
			$480.42

* 4 hrs. at $8.00 (Tractor and Operator)

Allowable per contract	$4,200.00
Charged through July 31, 1952	4,200.00
Charged this report	None

Item 8 - Contingencies

Power

Contract Idm - E 173, Exhibit A, Item 5

7040 KWH Electric Power at $0.0072396 $ 50.97

Repairs, Utilities and Misc. Surface Work

Contract Idm - E 173, Exhibit A, Item 5

Making Wedges, Sharpening Saws

Louis R. Hillmon -- 1st Carpenter

16 hrs. Straight Time at $1.775 $ 28.40

Servicing Compressor

Joseph O. Phelps -- 1st Equipment Mechanic

4 hrs. Straight Time at $1.775 7.10

Hauling Mine Timbers

Carl E. Tyger -- 1st Carpenter

12 hrs. Straight Time at $1.775 21.30

Total Wages $ 56.80

F.C.A.B. Tax at 1.5%	$ .85	
Unemployment Ins. Tax at 1.2%	.68	
Workmen's Comp. Ins. at $1.30 ($ 7.10)	.09	
at $1.65 ($49.70)	.82	
		2.44
		$ 59.24

Machine Shop Time (at $3.00)

49 hrs. Making switches, sharpening bits, Sharpening picks $147.00

Equipment Shop Time (at $3.00)	
34.5 hrs. Compressor Repairs	$103.50
Blacksmith Shop Time (at $3.00)	
42 hrs. Drill Steel	126.00
Total Repairs, Utilities and Mis. Surface Work	$435.74

Standard Form No. 10[illegible]a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-378

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 9/18/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E173

To Bradley Mining Co.,
(Payee)

425 Crocker Bldg., San Francisco 4, California
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	July 1952	As per attached certified form MF-104 dated August 19, 1952				6,068	69
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 6,068 69

(Payee must NOT use this space)

Differences .....

Account verified; correct for 6,068 69

(Signature or initials) .....

Contract No. Idm-E173 Date Req. No. Date Invoice Rec'd.

6,068.69

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
11X4401	Revolving Fund, Defense Production Act, Interior	6,068.69	

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... on Treasurer of the United States, favor of payee named above.
Cash, $....., on ....., 19.....

16—22900

SEP 31 1952

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 1204 X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75 % Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,357.24	13,823.59	15,180.83	1,357.24	13,823.59	15,180.83
Supervision	481.17	3,519.24	4,000.41	481.17	3,519.24	4,000.41
Technical Services	300.00	1,200.00	1,500.00	300.00	1,200.00	1,500.00
(3) Operating Mat'ls. and Supplies:						
Timber	388.25	2,966.08	3,354.33	388.25	2,966.08	3,354.33
Explosives		3,930.56	3,930.56		3,930.56	3,930.56
Pipe		93.08	93.08		93.08	93.08
Track		156.80	156.80		156.80	156.80
Repair parts	17.36	628.21	645.57	17.36	628.21	645.57
Other	256.60	7,298.99	7,555.59	256.60	7,298.99	7,555.59
(4) Operating Equipment:						
Rental						
Purchase	4,811.01	4,746.99	9,558.00	4,811.01	4,746.99	9,558.00
Depreciation	105.40	4,094.60	4,200.00	105.40	4,094.60	4,200.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5,576.76	5,576.76
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	49.64	71.84	121.48	49.64	71.84	121.48
Liability Insurance	136.75	196.36	333.11	136.75	196.36	333.11
(8) Contingencies (specify):						
Power	37.47	253.50	290.97	37.47	253.50	290.97
Repairs, Utilities & Misc. Surface Work	150.70	1,494.18	1,644.88	150.70	1,494.18	1,644.88
TOTALS	8,091.59	50,050.78	58,142.37	8091.59	50,050.78	58142.37

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

Date Aug. 19, 1952 *Payee Bradley Mining co.

Per James P. Bradley Title ~~Assistant Secretary~~ 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:

$ 6068.69

Signature [signature]
(Authorized Certifying Officer)

Date 9/16/58 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 173 in accordance with the terms of the contract.

Signature Eric B. Erickson Title Engr. Date 8-21-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E. Howard Title Mining Engr Date 8/22/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-194A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1952 Docket No. DMEA _____ Contract No. Idm-E173

Operator's Name Bradley Mining Co Minerals Antimony

Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.	3,280.58	71	3,280.58	71	46.21	3,000	26.88
Crosscutting	1 ft.			39,727.03	1540	25.80		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,280.58		43,007.61				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		4,811.01		9,558.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		~~8,091.59~~		~~58,142.37~~				~~16,735.00~~

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

Date Aug. 19, 1952 Operator Bradley Mining Co.

Per James P. Bradley Title ~~Assistant Secretary~~ 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)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 23 1952

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

August 11, 1952

D.M.E.A. Progress Report for July, 1952

Contract Idm - 8173

Progress

Progress in July was very poor; total advance for the month was 71 feet. The slow advance was a direct result of the caving nature of the ground encountered and the necessity for timbering a 105-foot section of the crosscut that was driven in May.

An attempt was made at the start of the month to continue driving the crosscut through the Meadow Creek fault zone, but the heavy gouge and excessive water in the face made it impossible to continue past 1530 feet -- in fact, some of the advance gained in May was lost and the face of the crosscut is now somewhat short of 1530 feet. According to present plans, any exploration west of the Meadow Creek fault zone will be conducted by diamond drilling from the present crosscut.

Commencing on July 16th, three rounds were blasted in the scheelite showing at 610 feet -- two side swipes and one drift round -- for a total advance of 6 feet. The drift thus started, which is now in eleven feet, will be referred to as 1 Drift - South.

On July 21st, work on 1 Drift - South was halted, to be continued at a later date, and all efforts were concentrated on driving in a northerly direction in the broken area east of the Meadow Creek fault zone. This drift will be known as 2 Drift - North. Advance of 2 Drift - North totaled 65 feet for the month; ten timber sets were installed.

Fourteen rounds were blasted in July, resulting in an average advance of 5.07 feet per round. Twenty-nine timber sets were required.

The underground crew consisted of five men, working two shifts per day.

Geology

Ore mineralization continued in the scheelite zone (1 Drift - South) consisting of moderate amounts of tungsten, antimony and gold. A car sample from 5 to 11 feet assayed 0.20 WO_3 and a face sample at 11 feet ran 0.90% antimony and 0.050 oz./ ton gold.

The advance in 2 Drift - North was through broken, altered, poorly mineralized ground. The granite country rock is soft and highly fractured, with abundant chlorite as the main alteration product. A northeasterly trending fault structure about 18 inches wide, cut by the drift, assayed 0.85% antimony and 0.005 oz./ton gold.

The 2 Drift - North is intended to test an intersection between a northeast-striking structure and the Meadow Creek fault as shown in surface exposures. Approach to the cross-structure should be indicated by the presence of a rhyolite dike.

E. E. Coleman
E. E. Coleman
Manager

EEC/ja

8 cc

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

Defense Materials Administration
RECEIVED
SEP 9 1952

D. O. Vou. No. .....

Bu. Vou. No. DMA-359

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 9/4/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E 173

To Bradley Mining Co.,
(Payee)

Stibnite, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	June 1952	As per attached certified form MF-104 dated August 9, 1952				4,130	18
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 4,130 18

(Payee must NOT use this space)

Differences .....

Account verified; correct for 4,130 18

(Signature or initials) .....

Contract No. Idm-E-173 Date Req. No. Date Invoice Rec'd.

4,130.18

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X1401	Revolving Fund, Defense Production Act, Interior	4,130.18	4,130.18

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 9 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1952 Docket No. DMEA 1284 X Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 97,368.00 Government Participation: 75 % Amount, $ 73,026.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,175.00	11,648.59	13,823.59	2,175.00	11,648.59	13,823.59
Supervision	485.61	3,033.63	3,519.24	485.61	3,033.63	3,519.24
Technical Services	300.00	900.00	1,200.00	300.00	900.00	1,200.00
(3) Operating Mat'ls. and Supplies:						
Timber	425.37	2,540.71	2,966.08	425.37	2,540.71	2,966.08
Explosives	388.57	3,541.99	3,930.56	388.57	3,541.99	3,930.56
Pipe	93.08	(1)	93.08	93.08		93.08
Track	156.80		156.80	156.80		156.80
Repair Parts	55.74	572.47	628.21	55.74	572.47	628.21
Other	372.46	6,926.53	7,298.99	372.46	6,926.53	7,298.99
(4) Operating Equipment:						
Rental						
Purchase		4,746.99	4,746.99	–	4,746.99	4,746.99
Depreciation	528.42	3,566.18	4,094.60	528.42	3,566.18	4,094.60
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,576.76	5,576.76		5,576.76	5,576.76
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	71.84	(2)	71.84	71.84		71.84
Liability Insurance	196.36		196.36	196.36		196.36
(8) Contingencies (specify):						
Power	50.89	202.61	253.50	50.89	202.61	253.50
Repairs, Utilities & Misc. Surface Work	206.76	1,287.42	1,494.18	206.76	1,287.42	1,494.18
TOTALS	5,506.90	44,543.88	50,050.78	5506.90	44,543.88	50,050.78

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

Date AUG - 9 1952 *Payee Bradley Mining Co.

Per James P. Bradley Title ~~Assistant Secretary~~ 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:

$ 4130.18

Signature [illegible]
(Authorized Certifying Officer)

Date 9/3/52 Vou. No. (See other side)

(1) Costs of pipe & Truck included under "Supplies-Other" prior to this report.
(2) Costs of Payroll Taxes & Liability Insurance included under "Labor & Supervision" prior to this report.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. HmA 73 in accordance with the terms of the contract.

Signature Horace T. Reno Title Min. Engr. Date 7/29/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Glenn Reed Title Mng. Engr. Date 7/29

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 9 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA _____ Contract No. Idm-E173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft.						3,000	26.88
Crosscutting	1 ft.	5,506.90	212	39,727.03	1540	25.80		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,506.90		39,727.03				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				4,746.99				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				7,000.00
TOTAL COSTS		5,506.90		50,050.78				16,735.00

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

Date AUG - 9 1952 Operator Bradley Mining Co.

Per James P. Bradley Title ~~Assistant Secretary~~ 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)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Wash.

COPY

DALMALLY MINING CO.
YELLOW PINE MINE AND SMELTER
STANLEY, IDAHO

Jan

D.M.A. PROGRESS REPORT FOR JUNE 1952

Contract Idm-E173

TUNNEL PROGRESS

June was a fair month, footage-wise. Advance for the month was 212 feet, making the total length of the tunnel 1530 feet at the end of the month.

Thirty-six rounds were blasted in June, resulting in an average advance of 5.89 feet per round. Timber requirements were rather heavy during the month - twenty-two timber sets were installed.

The underground crew consisted of six to seven men working two shifts per day.

GEOLOGY

Shortly after the start of the month a twelve inch very low grade vein was cut at 1322 feet, beyond which the character of the rock changed markedly. From 1322 to 1404 feet the granite was soft and altered, with very strong chloritization and multiple slips resulting in prominent slickensides.

From 1404 to 1416 feet a rhyolite dike was cut. This dike correlates with a dike exposed in surface cuts, and makes possible the determination of the position of the tunnel relative to the major geologic features as they are known to exist in the area.

What is believed to be the Meadow Creek fault zone was entered immediately beyond the rhyolite dike, extending from 1416 feet past the end of the tunnel at 1530 feet. The zone is characterized by extensive gouge areas in altered granite, with some silicification and mineralization. The mineralization is primarily fine-grained pyrite, although some ore mineralization is present. A cut sample taken from 1480 to 1485 assayed 0.035 oz/ton gold and 0.45% antimony. Traces of scheelite are occasionally found in the zone.

At the end of the month the tunnel was still in the Meadow Creek fault zone. Heavy clay gouge and excessive water were making progress extremely difficult and slow.

J. A. Mecia
Assistant Manager

June, 1952

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT SUPPORTING DETAIL

ITEM 2 - LABOR AND SUPERVISION

ITEM 7 - MISC. — PAYROLL TAXES AND LIABILITY INSURANCE

Contract Idm-E173, Exhibit A, Item 4

LABOR
Miners & Helpers

520 hrs.	Straight Time @ $1.71	$ 889.20	
121.5 "	Overtime (1½) $1.71	311.65	
496 "	Straight Time @ $1.515	751.44	
98 "	Overtime (1½) @ $1.515	222.71	
1,235.5 hrs.	Total Wages		$ 2,175.00
	F.O.A.B. Tax @ 1.5%		32.63
	Unemployment Ins. Tax @ 1.2%		26.10
	Workmen's Comp. Ins. @ $8.06 ($1,996.88)		160.95
	Total Labor Cost		$ 2,394.68

SUPERVISION

176 hrs.	Straight Time @ $1.97	$ 346.72	
47 "	Overtime (1½) @ $1.97	138.89	
223 hrs.	Total Wages		$ 485.61
	F.O.A.B. Tax @ 1.5%		7.28
	Unemployment Ins. Tax @ 1.2%		5.83
	Workmen's Comp. Ins. @ $8.06 ($439.31)		35.41
	Total Supervision Cost		$ 534.13

Total Payroll Taxes, Labor & Supervision	$ 71.84
Total Liability Insurance, Labor & Supervision	$ 196.36

SUPPORTING LABOR CHARGES - ITEM 2

Name	Class	Rate	Hours St.	Hours Ot.	St.	Ot.
Bale, C.	Min. Hlpr.	$ 1.515	176	37	$ 266.64	$ 84.09
Bale, J.	Min. Hlpr.	1.515	160	26.5	242.40	60.22
Longacre, H.	U. Miner	1.71	168	40	287.28	102.60
Mahlik,	Min. Hlpr.	1.515	160	34.5	242.40	78.40
Mahlik	U. Miner	1.71	16	8.5	27.36	21.80
Martin	U. Miner	1.71	176	40	300.96	102.60
Wardle	U. Miner	1.71	160	33	273.60	84.65
			1,016	219.5	$ 1,640.64	$ 534.36

Hours 1,235.5 $2,175.00
Shifts 154.438

SUPPORTING SUPERVISION CHARGES - ITEM 2

McGinley	Foreman	1.97	176	47	346.72	138.89

Hours 223 $ 485.61
Shifts 27.875

ITEM 2 - LABOR AND SUPERVISION

Technical Services
Engineering, Accounting & Analytical Services
Contract Idm-E173, Exhibit A, Item 4

Per Contract Amendment No. 1 $ 300.00

ITEM 3 - OPERATING MATERIALS & SUPPLIES

Contract Idm-E173, Exhibit A, Item 5

Timber

658 lin. ft.	Stull Timber	65.80	
3310 bd. ft.	Fir Lumber	359.57	
			425.37

Explosives

1200 lbs.	Gelex #2 Powder, 1 1/8 x 8	213.00	
700 E	Electric Delay Blasting Caps	161.23	
16 lbs.	Blasting Wire, #20	14.34	
			388.57

Pipe

84 ft.	Black Pipe, 3/4"	10.36	
101 ft.	Black Pipe, 1"	19.05	
63 ft.	Galvanized Pipe, 2"	23.12	
105 ft.	Black Pipe, 2"	40.55	
			93.08

Track

400 ft.	Rail, 20 lb.	156.80	
			156.80

Repair Parts

1	USS Hex Nut, 1 1/4"	.25	
2	Lock Washers, 1"	.19	
4	Lock Washers, 1 1/8"	.32	
2	Lock Washers, 1 1/4"	.18	
150 lbs.	Cable, 3/8" (mucking machine)	21.90	
4	Cable Clamps(" ")	1.66	
2	Timken Cones, #11162 (mucking machine)	6.62	
5	SAE Cap Screws, 3/4 x 2 1/2"	.80	
5	SAE Nuts, 3/4"	.27	
5	Lock Washers, 3/4"	.10	
1	Alemite Hose (Trammer)	3.72	
8	Alemite Fittings "	.66	
8	Bushings, 1/4 x 1/8 (Trammer)	.93	
20 ft.	Angle Iron, 1 1/2 x 1 1/2 x 3 1/8"	6.70	
	Blasting Galvanometer Repairs	11.44	
			55.74

Other

4	Galv. Nipples 3/8 x 2"	.27	
2	Hacksaw Blades	.73	
2	Heel Jaws, 18"	.90	
2	Drift Pick Handles	2.10	
5 lbs.	Kester Solder	6.45	
1	Gas Can, 5 gal.	2.19	
1	Skidding Tongs	21.08	
6	Nipples, 1 x 4"	.99	
6	Sleeves, 1"	1.27	
2	Check Valve, 1"	5.68	
12 rolls	Friction Tape	5.22	
1	Rigid Jaw Wrench, 18"	3.87	
12	Light Bulbs, 150 W	1.80	
12	Light Bulbs, 100 W	1.44	
12	Spuds, IR 2654	5.40	
50 ft.	Air Hose, 1/2"	30.47	
2	Spuds, 1/2"	.60	
2	Wing Nuts, J-47	1.00	
1143 gal.	Diesel Oil	197.69	
93 gal.	Stove Oil	17.85	
2	Carbide Bits, MCA-1 5/8"	22.14	
107 gal.	Gasoline	29.22	
3 gal.	Motor Oil, #30	1.75	
8 gal.	Motor Oil, #20	4.66	
5 lb.	Gear Lube, #140	.69	
12 gal.	Motor Oil — shown in report for May under "Item 6 - Supplies, (d) Other", but cost omitted from total due to arithmetic error	7.00	
			372.46

ITEM 4 - OPERATING EQUIPMENT

Depreciation
Contract Idm-E173, Exhibit A, Item 3

Compressor	(1 month)	241.67	
Shovel Loader	" "	51.67	
Air Receiver (1)	" "	7.92	
Trammer	" "	102.00	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor*		80.00	
			528.42

*10 hrs. @ $8.00 (Tractor & operator)

ITEM 8 - CONTINGENCIES

Power
Contract Idm-E173, Exhibit A, Item 5

8536	KWH Electric Power @ $0.0059618	$ 50.89	
			$ 50.89

Repairs, Utilities, and Misc. Surface Work
Contract Idm-E173, Exhibit A, Item 5

Making Wedges		
Louis R. Hillmon - - 1st Carpenter		
16 hrs. Straight Time @ $1.775	28.40	
Delivering Diesel Oil		
Lawrence G. Dana - - Truck Driver		
2 hrs. Straight Time @ $1.645	3.29	
Repairs to Battery Charger		
Sam D. Stillwell - - 1st Electrician		
2 hrs. Straight Time @ $1.775	3.55	
Donald L. Jeffries - - 1st Electrician		
2 hrs. Straight Time @ $1.775	3.55	
Repairs to Trammer		
Benjiman Jackling - - Electrical Foreman		
2 hrs. Straight Time @ $1.97	3.94	
Hufford F. Simpson - - 1st Electrician		
3 hrs. Straight Time @ $1.775	5.33	
Total Wages		$ 48.06
F.O.A.B. Tax @ 1.5%		.72
Unemployment Ins. Tax @ 1.2%		.58
Workmen's Comp. Ins.		
@ $2.75 ($44.77)		1.23
@ $5.11 ($3.29)		.17
		$ 50.76

Bradley Mining Company Shop Time (@ $3.00)

52 hrs.	Mine Car Modifications, Sharpening Bits, Forging Drill Steel	$ 156.00

July 23, 1952

TO:

Department of the Interior
Bureau of Mines
Defense Minerals Administration
1201 N. Division Street
Spokane 2, Washington

Re: Contract Idm-E173

CERTIFICATION

I hereby certify that all supplies items charged in the appended report, if not supported by a copy of the vendor's invoice, were taken from the undersigned's inventory of supplies and that the prices charged for such items are correct and just.

BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-266

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 6/24/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E 173

To Bradley Mining Co.,
(Payee)

425 Crocker Bldg., San Francisco 4, California
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	May 1952	As per attached certified form MF-104 dated June 16, 1952				5,685	20
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	5,685	20

(Payee must NOT use this space)

Differences .....

Account verified; correct for .....

(Signature or initials) .....

5,685 20

Contract No. Idm-E 173 Date Req. No. Date Invoice Rec'd.

5,685.20

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	5,685.20	5,685.20

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.).

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Wesler

Name of Operator BRADLEY MINING CO.
Docket No. DMA 1284 X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of May, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

BRADLEY MINING CO.
(Name of Company)

By G C Olston
(Signature of Authorized Official)

JUN 16 1952
(Date)

Assistant Secretary
(Title)

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.

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water system - Item 1 (a)		1,177.61	1,177.61			
(b) Buildings Construction framing shed, camp. house, dry house, coal house. Item 1 (a)		3,500.00	3,500.00			
(c) Fixtures Lamp trestle. Item 1(c)		692.15	692.15			
2. Operating Equipment:						
(a) Purchased Item 2	2,315.00	2,431.50	4,746.50			
(b) Rented[2]						
(c) Furnished by operator Item 3	472.42	3,093.76	3,566.18			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	1,768.81	9,879.78	11,648.59			
5. Supervision Item 4	535.59	2,498.04	3,033.63			
6. Supplies Item 5						
(a) Timber	419.88	2,482.03	2,901.91			
(b) Explosives	363.28	3,833.04	4,196.32			
(c) Repair Parts	237.47	335.00	572.47			
(d) Other	667.21	6,901.62	7,568.83			
7. Power Item 5	47.03	155.58	202.61			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Repairs & Utilities. Item 5	453.58	833.84	1,287.42			
Engineering, Accounting & Analytical Services Item 4	300.00	600.00	900.00			
Total	7,580.27	38,621.44	46,201.71			
Deletions		1,657.83	1,657.83			
Adjusted totals	7,580.27	36,963.61	44,543.88			
Totals previously reported						
Totals to date	7,580.27	36,963.61	44,543.88			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Thomas E Harrison
Amount approved for payment $5685.20
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting						1 ft				1500
Crosscutting	2,604.40	2,787.42	1,687.84	500.61	7,580.27	1 ft	195	1133	1328	1500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	2,604.40	2,787.42	1,687.84	500.61	7,580.27					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

D.M.A. PROGRESS REPORT FOR MAY 1952
Contract Idm-E173

Tunnel Progress

Progress was below average for the month of May due to the necessity of timbering several sections of loose ground, plus some mechanical breakdowns and temporary shortage of help. Advance for the month was 185 feet plus two 5 foot drift rounds in the scheelite showing at 610 feet. The total length of the tunnel was 1318 feet at the end of the month.

Thirty-five rounds were blasted in May, resulting in an average advance of 5.57 feet per round. Eleven sets of timber were required.

The average number of men on the underground crew was five. Two shifts were maintained when possible.

Geology

Most of the month's advance was made in hard, slightly altered granite except for two well defined fault zones, one, five feet wide at 1176 feet, and another, three feet wide at 1225 feet. Both were well mineralized but carried only low values in antimony and gold.

A general change in structure was noted starting at about 1250 feet with a series of narrow, vertical north-south faults indicating an approach to the Meadow Creek Fault Zone. Alteration of the granite, mainly by chlorite and pyrite, also increased along with this change in structure.

J. A. Mecia,
Assistant Manager

May, 1952

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 2 - OPERATING EQUIPMENT (a) PURCHASED
(See attached certified copy of vendors invoice)
Contract Idm-4173, Exhibit A, Item 2

10 "CARD" Mine Cars, Z-20	$2,315.00	
		$2,315.00

ITEM 2- OPERATING EQUIPMENT (a) FURNISHED BY OPERATOR
Contract Idm-4173, Exhibit A, Item 3

		Rental Charge	
Compressor	(1 month)	241.67	
Shovel Loader	" "	51.67	
Air Receiver (1)	" "	7.92	
Trammer	" "	102.00	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractors*	" "	24.00	
			$ 472.42

* 3 hrs. @ $8.00 (Tractor and Operator)

ITEM 4 - LABOR
Contract Idm-4173, Exhibit A, Item 4

Miners & Helpers

352.5 hrs.	Straight Time	@ $1.515	$ 534.04	
413 hrs.	Straight Time	@ $1.71	706.24	
70 hrs.	Overtime (1½)	@ $1.515	159.08	
80.5 hrs.	Overtime (1½)	@ $1.71	206.48	
916 hrs.	Total Wages			$1,605.84
	F.O.A.B. Tax @ 1.5%			24.09
	Unemployment Ins.Tax @ 1.2%			19.27
	Workmen's Comp. Ins. @ $8.06 ($1483.97)			119.61
	Total Labor Cost			$1,768.81

ITEM 5 - SUPERVISION
Contract Idm-4173, Exhibit A, Item 4

163.5 hrs.	Straight Time	@ $1.97	$ 322.10	
56 hrs.	Overtime (1½)	@ $1.97	165.48	
219.5 hrs.	Total Wages			$ 487.58
	F.O.A.B. Tax @ 1.5%			7.32
	Unemployment Ins. Tax @ 1.2%			5.85
	Workmen's Comp. Ins. @ $8.06 ($432.42)			34.85
	Total Supervision Cost			$ 535.59

ITEM 6 - SUPPLIES
Contract Ydm-2173, Exhibit A, Item 5

(a) Timber

352	lin. ft.	Stull Timber	$ 35.20	
2350	bd. ft.	3 x 12 Lagging	255.29	
1280	bd. ft.	4 x 6 Lumber	129.39	
				$ 419.88

(b) Explosives

1250	lbs.	1-1/8 x 8 Galex #2 Powder, 45%	$ 221.88	
650		Electric Delay Blasting Caps	142.40	
				$ 363.28

(c) Repair Parts

2		SAE Hex. Nuts, 5/8	$ 0.07
18		USS. Cap Screws, 1½ x ½	0.87
18		Lock Washers, ½	0.16
10		Renewable Fuse Links, GE 1147	0.38
2		Plunger Leathers for J64 Jackleg	1.70
1		Feed Cylinder Bars for B-58 Stoper	57.32
1		Steel Plate for Trammer 18x24x16 ga.	0.75
72	in.	Channel for Trammer, 5"	5.40
4		USS. Cap Screws, 1 x ½	0.05
4		USS. Cap Screws, 1½ x ½	0.06
8		USS. Hex Nuts, ½	0.03
1		USS Cap Screw, 1 x 2/8	0.02
4		F.H. Wood Screws, 1 x ½	0.01
4		Reducing Washers, #52	0.26
4		Reducing Washers, #41	0.15
4		Reducing Washers, #32	0.11
7		Stamps for Trammer, BP 1278	0.13
10		Stove Bolts, 3/16 x 3/4	0.06
12	ft.	Apparatus Wire, #14	0.38
4	bot.	Gasket Shellac, ½ oz.	0.53
6		Stove Bolts, 1/4 x 2	0.08
6		USS Hex Nuts, 1/4	0.02
3		Hex Connectors, 1 1/2	1.39
6		Stove Bolts, 1 x 1/4	0.06
6		Flat Washers, 1/4	0.02
6	ft.	Bar for Safety Hooks, 1 1/8 x 1 1/8	2.58
1		Bearing for J-50 Jackhammer	5.90
1		Twist Lock Body, O.E. 3110	0.65
12		FH. Wood Screws, 1/12 x 12	0.11
2		Hex Connectors, 3/8	0.16
1		Everlok Plug for Blasting System	2.26
1		Centering Drum for 12-B Shovel Loader	38.12
1		" " for Oil Seal	1.10
1		" " for Key	0.30
1		" " for Lever	22.10
1		" " for Linkage	8.90
2		" " for Lever Pins	8.60
2		" " for Lever Pin Bushings	3.00

(Continued)

(c) Repair Parts (Continued)

1	Chain Shaft	1.20
1	Lower Disk Ball Race	51.52
86	Turntable Balls	14.40
2	Bumper Springs	6.60
		$ 23,

(d) Other

180	ft	Rail, #20	$ 70.56
169	ft	Black Pipe, 1"	29.69
126	ft	Black Pipe, 3"	97.34
277	ft	Jackhammer Steel	103.52
6		Timken Carbide Bits, MCA 1 5/8	66.42
1	cyl.	Oxygen	5.70
839	gal.	Diesel Oil	144.31
152	gal.	Stove Oil	27.66
2	lbs.	Acid Core Solder	2.58
50	lbs.	Galvanized Wire, 12 ga.	4.86
40	in.	Log Chain, 1/2"	2.12
200		Hot Wire Lighters, 12"	3.34
30	ft.	Welding Lead (Surplus)	11.49
12	rls.	Friction tape for Vent Pipe	5.22
3		Iron Cock Valves, 1"	7.05
1		Gate Valve, 1/2"	2.39
2		Unions, 1"	1.58
6		Tees, 1"	2.47
6		Nipples, 1 x 2	0.75
1		Cast Iron Tee, 3"	1.86
2		Spuds, CJ 55	1.51
4		Spuds, CJ 60	3.80
4		Spuds, CB-13	3.28
4		Spuds, L 1130, B 1561	1.80
2		Galvanized Nipples, 1 x 4	0.31
2		Black Pipe Unions, 1"	1.58
2		Galvanized Nipples, 3 x 4	1.47
2		Reducing Bushings, 3 to 1	0.83
1		Black Pipe Plug, 3"	0.48
1		Black Pipe Bushing, 3 to 2	0.47
1		Black Pipe Bushing, 3 to 1	0.53
4		Galvanized Nipples, 2 x 4	0.64
2		Galvanized Plugs, 2"	0.61
1		Crestaloy Wrench, 12"	2.73
1		Ridged Heel Jaw for 18" wrench	0.45
1		Pacific Grinding Wheel 12 x 2/4 x 1 1/4	6.00
2		Grinding Wheel Cutters #0	0.28
1		Grinding Wheel Dresser #0	0.14
1	pr.	Heavy Strap Hinges	0.40
1		Gate Hook and Eye, 3"	0.02
1		Grab Hook, 5/8"	0.88
2	pks.	Methiolate	0.63
1	pks.	Amonia inhalants	0.41
2	rls.	Adhesive Tape	0.78

(Continued)

(d) Other (Continued)

2		Filter Elements, x-17	2.32	
12	gal	Motor Oil	7.00	
20	lbs.	Chassis Lubricant	11.00	
78	gal.	Gasoline	21.29	
1		Tire Resap for Truck #45	11.66	
				$ 667.21

ITEM 7 - POWER
Contract Idm-8173, Exhibit A, Item 5

7744	KWH	Electric Power @ $0.0060733341	$ 47.03	
				$ 47.03

ITEM 11 - OTHER REPAIRS & UTILITIES
Contract Idm-8173, Exhibit A, Item 5

Repairs to Switchbox and Blasting Line

Benjiman Jackling - - - Electrical Foreman 7 hrs. Straight Time @ $1.97	$	13.79
Donald L. Jeffries - - - 1st Electrician 7 hrs. Straight Time @ $1.775	$	12.43
Sam D. Stillwell - - - 1st Electrician 8 hrs. Straight Time @ $1.775	$	14.20
Floyd L. Jeffries - - - 2nd Electrician 8 hrs. Straight Time @ $1.645	$	13.16

Repairs to Battery Charger

Benjamin Jackling - - - Electrical Foreman 7 hrs. Straight Time @ $1.97	$	13.79
Donald L. Jeffries - - - 1st Electrician 1 hr. Straight Time @ $1.775	$	1.78

Repairs to Trommer

Benjamin Jackling - - - Electrical Foreman 25 hrs. Straight Time @ $1.97	$	49.25
Donald L. Jeffries - - - 1st Electrician 4 hrs. Straight Time @ $1.775	$	7.10
Floyd L. Jeffries - - - 2nd Electrician 28 hrs. Straight Time @ $1.645	$	46.06
Sam D. Stillwell - - - 1st Electrician 4 hrs. Straight Time @ $1.775	$	7.10
James V. Griffiths - - - Electrical Supt. 2 hrs. @ $2.423 (Prorated Salary)	$	4.86
TOTAL WAGES		$ 198.52

Repairs to Trammer (Continued)

Total Wages	$ 183.52	
F.O.A.B. Tax @ 1.5%	2.75	
Unemployment Ins. Tax @ 1.2%	2.20	
Workmen's Comp. Ins. @ $1.30 ($183.52)	2.39	
		$190.86

Saw Filing

Louis R. Hillman - - - 1st Carpenter 16 hrs. Straight Time @ $1.775	$ 28.40	

Compressor Service

James A. Walker - - - Truck Driver 2 hrs. Straight Time @ $1.645	$ 3.29	

Hauling Supplies

Merle C. Murray - - - 2nd Maint. Mechanic 7 hrs. Straight Time @ $1.645	$ 11.52	
Chester A. Calderwood - - - 1st Maint. Mechanic 2 hrs. Straight Time @ $1.775	$ 3.55	
Marvin L. Wyman - - - Wagon Driller 2 hrs. Straight Time @ $1.645	$ 3.29	
Total Wages	$	$ 50.05
F.O.A.B. Tax @ 1.5%		0.75
Unemployment Ins. Tax @ 1.2%		0.60
Workmen's Comp. Ins. @ $2.75 ($28.40)		0.78
@ $5.11 ($6.58)		0.34
@ $1.30 ($15.07)		0.20
		$ 52.72
Total Charged to Project		[redacted]

Bradley Mining Company Machine, Equipment and Blacksmith Shop Time (@$3.00)

70 Hrs.	Shovel Loader Repair, Tire Repair, Sharpening Bits and Forging drill steel	$ 210.00

ITEM 11 - OTHER ENGINE RING, ACCOUNTING & ANALYTICAL SERVICES

Contract Idm-E173, Exibit A, Item 4

Per Contract Amendment No. 1	$ 300.00

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	ST	OT
Douglas	U. Miner	$1.71	111.5	25	$ 190.67	$ 64.12
Longacre	U. Miner	1.71	167	41	285.57	105.17
Hardle	U. Miner	1.71	134.5	14.5	230.00	37.19
Martin	Min.Mlpr.	1.515	160	32	242.40	72.72
Smith	Min.Mlpr.	1.515	58.5	13.5	88.63	30.68
Mahlik	Min.Mlpr.	1.515	134	24.5	203.01	55.68
			765.5	150.5	1,240.28	365.56

Hours 916 $1,605.84

Shifts 114.5

SUPPORTING SUPERVISION CHARGES - ITEM 5

McCinley	Foreman	$1.97	163.5	56	$ 322.10	$165.48

Hours 219.5 $ 487.58

Shifts 27.4375

June 12, 1952

Department of the Interior
Bureau of Mines
Defense Minerals Administration
1201 N. Division Street
Spokane 2, Washington

Re: Contract Idm-E173

CERTIFICATION

I hereby certify that all supplies items charged in the appended report, if not supported by a copy of the vendors invoice, were taken from the under signed's inventory of supplies and that the prices charged for such items are correct and just.

BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

EEC/cb

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Name of Operator BRADLEY MINING CO.
Docket No. DMA 128uk
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of April, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

Defense Minerals Administration
RECEIVED
JUN 20 1952

CERTIFICATION

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.

BRADLEY MINING CO.
(Name of Company)

By G. A. Orton
(Signature of Authorized Official)

May 20, 1952
(Date)

Assistant Secretary
(Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water system - Item 1 (c)		1,177.61	1,177.61			
(b) Buildings Combination framing shed, comp. house, dry house, tool house. Item 1(a)		3,500.00	3,500.00			
(c) Fixtures Waste trestle. Item 1(b)		899.15	899.15			
2. Operating Equipment:						
(a) Purchased[1] Item 2		2,431.99	2,431.99			
(b) Rented[2]						
(c) Furnished by operator Item 3	512.42	2,581.34	3,093.76			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	1,962.80	7,916.90	9,879.70			
5. Supervision Item 4	498.07	1,999.97	2,498.04			
6. Supplies						
(a) Timber Item 5	64.88	2,417.15	2,482.03			
(b) Explosives	689.33	3,143.71	3,833.04			
(c) Repair Parts	48.19	286.81	335.00			
(d) Other	1,508.17	5,393.45	6,901.62			
7. Power Item 5	46.82	103.76	155.58			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Repairs & Utilities. Item 5	83.94	749.90	833.84			
Engineering & Accounting. Item 4	300.00	300.00	600.00			
Total	5,714.70	32,906.74	38,621.44			
Deletions		1,657.83	1,657.83			
Adjusted totals	5,714.70	31,248.91	36,963.61			
Totals previously reported						
Totals to date	5,714.70	31,248.91	36,963.61			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W. R. [illegible]
Entered by
Approved by Horace T. Reno
Amount approved for payment $ 4286.03
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April 11, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting						1 ft.				1,500
Crosscutting	2,760.95	512.42	2,310.57	130.76	5,714.70	1 ft.	235	898	1,133	1,500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	2,760.95	512.42	2,310.57	130.76	5,714.70					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for April, 1952

Contract Idm - X 173

Tunnel Progress

Progress continued to be good in April. Advance for the month was 235 feet, making the total length of the tunnel 1133 feet at the end of the month.

Forty-five rounds were blasted in April, resulting in an average advance of 5.22 feet per round. Only five timber sets were required.

The size of the underground crew varied between five and six men during the month, working on a two-shift per day basis.

Geology

The wide low grade antimony-gold zone encountered during the latter part of March failed to continue past 900 feet. The greater part of the month's advance was in hard, unaltered granite, with only occasional narrow mineralized stringers and faults.

However, one well defined zone of faulting was cut at 994 to 1004 feet, and another faulted area was entered at the end of the month. Neither zone was mineralized.

E. E. Coleman

E. E. Coleman
Manager

EEC/mf

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-K173, Exhibit A, Item 3

		Rental Charge	
Compressor	(1 month)	$ 241.67	
Shovel Loader	" "	51.67	
Trammer	" "	102.00	
Air Receiver (1)	" "	7.92	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor*		64.00	
			$ 512.42

*8 hrs. @ $8.00 (Tractor & Operator)

ITEM 4 - LABOR (See attached time sheets)
Contract Idm-K173, Exhibit A, Item 4

Miners & Helpers

325.5 Hrs.	Straight Time @ $1.515	$ 493.13	
515.5 "	Straight Time @ $1.71	881.51	
54 "	Overtime (1½) @ $1.515	122.72	
111 "	Overtime (1½) @ $1.71	284.72	
1,006 Hrs.	Total wages		$1,782.08
	F.O.A.B. Tax @ 1.5%		26.73
	Unemployment Ins. Tax @ 1.2%		21.38
	Workmen's Comp. Ins. @ $8.06 ($1,646.26)		132.69
	Total Labor Cost		$1,962.88

ITEM 5 - SUPERVISION (See attached time sheets)
Contract Idm-K173, Exhibit A, Item 4

178.5 hrs.	Straight time @ $1.97	$ 351.65	
34 "	Overtime (1½) @ $1.97	100.47	
212.5 Hrs.	Total Wages		$ 452.12
	F.O.A.B. Tax @ 1.5%		6.78
	Unemployment Ins. Tax @ 1.2%		5.43
	Workmen's Comp. Ins. @ $8.06 ($418.63)		33.74
	Total Supervision Cost		$ 498.07

April 1952

ITEM 6 - SUPPLIES
Contract Idm-8173, Exhibit A, Item 5

(a) Timber

160 Lin. ft.	Stull Timber	$ 16.00	
450 bd. ft.	3 x 12 Lumber	48.88	
			$ 64.88

(b) Explosives

3000 lbs.	1-1/8 x 8 Gelex #2 Powder, 45%	532.50	
600	Electric Delay Blasting Caps	142.49	
16 lbs.	Blasting Wire, #20	14.34	
			689.33

(c) Repair Parts

4	Machine Bolts, 7/8 x 5	.96	
1	Machine Bolt, 1 x 9	.42	
24	Machine Bolts, 5/8 x 2	2.29	
2	Machine Bolts, 5/8 x 3	.72	
1	Knob for JL4 Jackleg	6.60	
2	Seats for JL4 Jackleg	.40	
1	Vent Cap	.65	
20	Lock Washers	.23	
1	Feed Piston Bars, Std.	24.60	
12 lin. ft.	Flat Bar, 1/2 x 2	4.00	
6 lin. ft.	Square Bar, 1-1/4 x 1-1/4	3.19	
4	S.A.E. Cap Screws, 1/4 x 2	.06	
4	S.A.E. Nuts, 1/4	.02	
1	Rear Spring Main Leaf	4.05	
			48.19

(d) Other

200 gal.	Stove Oil	36.40
1137 gal.	Diesel Oil	195.57
21 gal.	Motor Oil, #20	12.24
11	Timken Carbide Bits, MCA 1-5/8	121.95
658 ft.	Rail, 20#	256.72
315 ft.	Black Pipe, 1"	56.73
126 ft.	Black Pipe, 3"	97.34
1050 ft.	Vent Pipe, 10"	577.52
200 lbs.	Track Spikes, 3/8 x 3-1/2	28.57
40 lbs.	Wire, #12	3.89
10 lbs.	Acid Core Solder	12.56
1	Grinding Wheel, 10 x 3/4 x 1	5.85
1	Grinding Wheel, 6 x 1 x 1	2.60
1	Grinding Wheel, 12 x 3/4 x 1-1/4	6.00
1	Grinding Wheel, Bushing, 1-1/4 x 3/4	.10
1	Willson Respirator, #780	4.06
18 in.	Packing, 3/8"	.21
1 tube	Weatherstrip Cement	1.00
1	Rubberset Paint Brush, 3"	.95
1 roll	120 grit Three Mile Cloth, 1-1/2"	5.82
4	Iron Cock Valves, 1"	9.40
6	Bushings, 1/2 to 3/4	1.24
6	Bushings, 3/4 to 1	.95
6	Nipples, 3/4 x 1	.67

(d) Other (Continued)

2	Filter Elements, X-10	$ 1.41	
2	Filter Elements, X-17	2.32	
8 lbs.	Chassis Lubricant	1.12	
1 gal.	Zerex	2.46	
229 gal.	Gasoline	62.52	
			$1,508.17

ITEM 7 - POWER
Contract Idm-8173, Exhibit A, Item 5

7880 KWH	Electric Power @ $0.005942	$ 46.82	
			$ 46.82

ITEM 11 - OTHER REPAIRS & UTILITIES
Contract Idm-8173, Exhibit A, Item 5

Hauling Supplies

Carrol H. Moon — Drill Helper			
2 hrs.	Straight Time @ $1.515	$ 3.03	
Merle C. Murray — 2nd Maintenance Mechanic			
1 hr.	Straight Time @ $1.645	1.65	

Saw Filing

Louis R. Hillman — 1st Carpenter			
6 hrs.	Straight Time @ $1.775	10.65	

Repairs to Tramner Motor

Benjamin R. Jackling — Electrical Foreman			
3 hrs.	Straight Time @ $1.97	5.91	
	Total Wages		$ 21.24
	F.O.A.B. Tax @ 1.5%		.32
	Unemployment Ins. Tax @ 1.2%		.25
	Workmen's Comp. Ins.		
	@ $5.11 ($3.03)		.15
	@ $2.75 ($16.56)		.46
	@ $1.30 ($1.65)		.02
	Total Charged to Project		$ 22.44

Bradley Mining Co. Blacksmith Shop Time (@ $3.00)

20.5 hrs.	Sharpening Bits & Forging Drill Steel	$ 61.50

ITEM 11 - OTHER ENGINEERING, ACCOUNTING & ANALYTICAL SERVICES
Contract Idm-8173, Exhibit A, Item 4

Per Contract Amendment No. 1 (Certification Enclosed)	$ 300.00

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	ST	OT
Douglas	U. Miner	$1.71	177	33	$ 302.67	$ 84.65
Hagen	Min. Helper	1.515	144	22	218.16	50.00
Longaere	U. Miner	1.71	177	40.5	302.67	103.88
Smith	Min. Helper	1.515	181.5	32	274.97	72.72
Wardle	U. Miner	1.71	161.5	37.5	276.17	96.19
			841	165	1,374.64	407.44
		Hours		1,006		$1,782.08
		Shifts		125.75		

SUPPORTING SUPERVISION CHARGES - ITEM 5

McGinley	Foreman	1.97	178.5	34	351.65	100.47
		Hours	212.5			$ 452.12
		Shifts	26.5625			

BRADLEY MINING CO.
MINERAL PRODUCTS
WALLACE, IDAHO

May 10, 1952

Department of the Interior
Bureau of Mines
Defense Minerals Administration
1201 N. Division Street
Spokane 2, Washington

Re: Contract Idm-5173

CERTIFICATION

I hereby certify that all supplies items charged in the appended report, if not supported by a copy of the vendor's invoice, were taken from the undersigned's inventory of supplies and that the prices charged for such items are correct and just.

BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Name of Operator BRADLEY MINING CO.
Docket No. DMA 1284X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of March, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

BRADLEY MINING CO.
(Name of Company)

By G A Orton
(Signature of Authorized Official)

April 14, 1952
(Date)

Assistant Secretary
(Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water system - Item 1 (c)	96.50	1,081.11	1,177.61			
(b) Buildings Combination framing shed, comp. house, dry house, tool house. Item 1(a)		3,500.00	3,500.00			
(c) Fixtures Waste trestle. Item 1 (b)		899.15	899.15			
2. Operating Equipment:						
(a) Purchased[1] Item 2	1,488.99	943.00	2,431.99			
(b) Rented[2]						
(c) Furnished by operator Item 3	540.42	2,040.92	2,581.34			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	1,980.14	5,930.76	7,910.90			
5. Supervision Item 4	537.13	1,462.84	1,999.97			
6. Supplies Item 5						
(a) Timber	305.14	2,112.01	2,417.15			
(b) Explosives	723.65	2,420.05	3,143.71			
(c) Repair Parts	65.67	215.14	280.81			
(d) Other	1,257.11	4,136.34	5,393.45			
7. Power Item 5	53.82	51.94	105.76			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5 Repairs & Utilities	114.63	635.07	749.90			
Engineering & Accounting Item 4	300.00		300.00			
Total	7,499.11	25,187.33	32,686.74			
Deletions		1,557.83	1,557.83			
Adjusted totals	7,499.11	23,749.50	31,248.91			
Totals previously reported						
Totals to date	7,499.11	23,749.50	31,248.91			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Thomas E Howard
Amount approved for payment $ 5624.56
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting						1 ft.				1,500
Crosscutting	2,820.27	2,029.41	2,384.58	168.65	7,402.91	1 ft.	245	653	898	1,500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Fixtures & Improvements, see supporting detail				96.50	96.50					
Totals	2,820.27	2,029.41	2,384.58	265.15	7,499.41					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for March, 1952

Contract Ida - 2173

Tunnel Progress

March progress was the best to date. The tunnel was advanced 245 feet, making its total length 898 feet at the end of the month.

Forty-five rounds were blasted in March, resulting in an average advance of 5.44 feet per round. It was necessary to timber 50 feet of the tunnel (10 sets).

Underground work continued to be performed on a two-shift per day basis. As long as timbering requirements are not too severe it should not be necessary to revert to a three-shift operation.

Geology

The tunnel was driven entirely in granite during the month. Only traces of scheelite were found. Except for small stringers at 724 and 768 feet, only minor mineralization of any kind was encountered to 813 feet. From 813 to 898 feet a zone of low grade antimony and gold mineralization was cut. This zone contains stringers up to one foot wide of coarse-grained stibnite and fine-grained associated sulphides (pyrite and arsenopyrite). The intervening stretches of granite between the stringers are strongly mineralized. Cut samples between 836 and 886 feet averaged 0.75% antimony and 0.045 oz./ton gold. Car samples averaged somewhat lower.

J. A. Mecia
Assistant Manager

J.A./jm
4/11/52

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS WATER SYSTEM
Contract Idm-E173, Exhibit A, Item 1 - (c)

1	Electric Hot Water Heater, Model 4980 SO 2, 80 gal., 220 v. (Copy of Supplier's Invoice Enclosed) @ 75% of new price	$ 96.50	
			$ 96.50

ITEM 2 - OPERATING EQUIPMENT (a) PURCHASED
Contract Idm-E173, Exhibit A, Item 2

1	10 KW Hertner Motor Generator Set with Single Circuit Panel to Charge 80 Cell C-5 Edison Battery. Serial No. 63535-A-8 (Supplier's Invoice Enclosed).	$1,485.00	
	Transportation on above charger	3.99	
			$1,488.99

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-E173, Exhibit A, Item 3

Compressor	(1 month)	$ 241.67	
Shovel Loader	" "	51.67	
Trammer	" "	102.00	
Air Receiver (1)	" "	7.92	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	33.33	
Tractor*		92.00	
			$ 540.42

*11.5 hrs. @ $8.00 (Tractor & Operator)

ITEM 4 - LABOR (See Attached Time sheets)
Contract Idm-8173, Exhibit A, Item 4

Miners

354.5 hrs.	Straight Time @ $1.515	$ 537.07	
480 "	Straight Time @ $1.71	820.80	
79.5 "	Overtime (1½) @ $1.515	180.66	
103.5 "	Overtime (1½) @ $1.71	265.48	
1,017.5 hrs.	Total Wages		$1,804.01
	F.O.A.B. Tax @ 1.5%		27.06
	Unemployment Ins. Tax @ 1.2%		21.65
	Workmen's Comp. Ins. @ $8.06 ($1,655.30)		133.42
	Total Labor Cost		$1,986.14

ITEM 5 - SUPERVISION (See attached Time Sheets)
Contract Idm-8173, Exhibit A, Item 4

176 hrs.	Straight Time @ $1.97	$ 346.72	
47 hrs.	Overtime (1½) @ $1.97	138.89	
223 hrs.	Total Wages		$ 485.61
	F.O.A.B. Tax @ 1.5%		7.28
	Unemployment Ins. Tax @ 1.2%		5.83
	Workmen's Comp. Ins. @ $8.06 ($439.31)		35.41
	Total Supervision Cost		$ 534.13

ITEM 6 - SUPPLIES
Contract Idm-8173, Exhibit A, Item 5

(a) Timber

416 lin. ft.	Stull Timber	$ 41.60	
1854 bd. ft.	3 x 12 Lumber	201.40	
572 bd. ft.	4 x 6 Lumber	62.14	
			$ 305.14

(b) Explosives

1850 lbs.	1-1/8 x 8 Gelex #2 Powder, 45%	328.38	
1150 lbs.	1-1/8 x 8 Atlas Gelodyn " 45%	204.01	
800	Electric Blasting Caps	178.68	
8 lbs.	Blasting Wire, #18	6.00	
8 lbs.	Blasting Wire, #20	6.59	
			723.66

(c) Repair Parts

3	Balls for JL4 Jacklag	.15	
2	USS Plastic Nuts, 7/8	.63	
1	Oil Plug, 85 JA 35	.56	
2	USS Plastic Nuts, 5/8	.34	
2	USS Plastic Nuts, 9/16	.21	
8	Carbon Brushes, W121	4.20	
1	Tension Spring, #403	.31	
10	USS Cap Screws, 1 x 2"	3.15	
10	USS Nuts, 1"	1.36	
1	Master Pin, #B-12	19.64	
1	Water Nut, #B-12-75	1.05	
1	Goose Neck, #B-12-77	3.00	
2	Cables, #399	9.28	
2	Cables, #398	9.68	
1	Air Filter Screen, #475A	1.22	
20 ft.	Flat Bar, 5/8 x 2"	8.50	
2	Machine Bolts, 3/4 x 2	.18	
2	Element Kits, #C11F	4.00	
1	Element Kit, #048068	1.21	
			68.87

(d) Other

304 gal.	Stove Oil	54.88
986 gal.	Diesel Oil	169.59
42 gal.	Motor Oil, #20	22.15
17	Timken Carbide Bits, MCA 1-5/8	192.35
200 ft.	Hex Drill Steel, 1"	67.38
1,258 ft.	Rail, 20#	490.62
147 ft.	Black Pipe, 1"	26.39
50 ft.	Air Hose, 1/2"	28.75
200 lbs.	Track Spikes, 3/8 x 3-1/2"	28.57
100 pr.	Rail Splice Bars	63.95
100 lbs.	Common Nails, #60	10.58
1	Rifle Bar, B58J50	21.05
1	Rifle Bar Nut, 64J50	6.00
2	Hack Saw Blades	.73

(d) Other (Continued)

12	Light Bulbs, 150 w	$ 1.80	
1 cyl.	Oxygen	5.63	
3	Shovels, #5#2MAP	9.30	
2	Shovels, SHSP	6.14	
1	Core Valve, 3"	5.00	
3	Stems, 1/2"	.90	
3	Wing Nuts, 1/2"	2.49	
1	Drill Bit, 27/64"	1.23	
1	Nozzle, #4	5.31	
2	Grinding Wheels, 10 x 3/4 x 1	10.04	
4	Punch Pins, 1RHP133	14.80	
50 lbs.	Rags	12.00	
4	Soapstones	.10	
9 gal	Zerex (for compressor)	22.14	
2 "	Prestone (for compressor)	4.92	
2	Filter Elements, X-17	2.32	
			$1,287.11

ITEM 7 - POWER
Contract Idm-E173, Exhibit A, Item 5

6996 KWH	Electric Power @ 0.00769268	$ 53.82	
			$ 53.82

ITEM 11 - OTHER REPAIRS & UTILITIES
Contract Idm-E173, Exhibit A, Item 5

Servicing Compressor
Lewis J. Bishop — Utility Truck Driver
2 hrs. Straight Time @ $1.45 — $ 2.90

Making Wedges & Saw Filing
Louis R. Hillmon — 1st Carpenter
17 hrs. Straight Time @ $1.775 — $ 30.18

Repairs to Trammer Motor
Benjamin R. Jackling — Electrical Foreman
4 hrs. Overtime (1½) @ $1.97 — $ 11.82

Hufford Simpson — 1st Electrician
4 hrs. Straight Time @ $1.775 — $ 7.10

Total Wages	$ 52.00
F.O.A.B. Tax @ 1.5%	.78
Unemployment Ins. Tax @ 1.2%	.62
Workmen's Comp. Ins. @ $2.75 ($52.00)	1.43
Total Charged to Project	$ 54.83

Bradley Mining Co. Blacksmith Shop Time (@ $3.00)
20 hrs. Sharpening Bits & Forging Drill Steel — $ 60.00

Other - Engineering & Accounting Services
Contract Idm-E173, Exhibit A, Item 4

Per Contract Revision — $ 300.00

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	ST	OT
Douglas	U. Miner	$ 1.71	136	24	$ 232.56	$ 61.56
Hagen	Dr. Hlpr.	1.515	176	43.5	266.64	98.85
Llona	Dr. Hlpr.	1.515	82.5	12	124.99	27.27
Longacre	U. Miner	1.71	176	36	300.96	92.34
Smith	Min. Hlpr.	1.515	96	24	145.44	54.54
Wardle	U. Miner	1.71	168	43.5	287.28	111.58
			834.5	183	1,357.87	446.14

Hours 1,017.5 $ 1,804.01

Shifts 127.1875

SUPPORTING SUPERVISION CHARGES - ITEM 5

McGinley	Foreman	1.97	176	47	346.72	138.89

Hours 223 $ 485.61

Shifts 27.875

COPY

April 10, 1952

Department of the Interior
Bureau of Mines
Defense Minerals Administration
1201 W. Division Street
Spokane 2, Washington

Re: Contract Idm-M173

CERTIFICATION

I hereby certify that all supplier items charged in the appended report, if not supported by a copy of the vender's invoice, were taken from the undersigned's inventory of supplies and that the prices charged for such items are correct and just.

BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Name of Operator BRADLEY MINING CO.
Docket No. DMA 1284X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of February, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

BRADLEY MINING CO.
(Name of Company)

By [signature]
(Signature of Authorized Official)

April 3, 1952
(Date)

Assistant Secretary
(Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water system-Item 1(c)		1,081.11	1,081.11			
(b) Buildings Combination framing shed, comp. house, dry house, tool house. Item 1(a)		3,500.00	3,500.00			
(c) Fixtures Waste trestle-Item 1(b)		899.15	899.15			
2. Operating Equipment:						
(a) Purchased[1] Item 2		943.00	943.00			
(b) Rented[2]						
(c) Furnished by operator Item 3	615.09	1,425.83	2,040.92			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	1,686.59	4,244.17	5,930.76			
5. Supervision Item 4	428.75	1,037.09	1,465.84			
6. Supplies Item 5						
(a) Timber	517.63	1,594.38	2,112.01			
(b) Explosives	1,435.69	984.36	2,420.05			
(c) Repair Parts	185.17	32.97	218.14			
(d) Other	1,456.72	2,649.62	4,106.34			
7. Power Item 5	37.34	17.60	54.94			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5 Repairs & Utilities	222.57	412.50	635.07			
Total	6,585.55	18,821.78	25,407.33			
Deletions		1,657.83	1,657.83			
Adjusted totals		17,163.95	23,749.50			
Totals previously reported						
Totals to date	6,585.55	17,163.95	23,749.50			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Thomas E Howard
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting	2,115.34	615.09	2,018.30	259.91	5,008.64	1 ft. 1 ft.	239	414	653	1,500 1,500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) January '52 supplies reinstated			1,576.91		1,576.91					
Totals	2,115.34	615.09	3,595.21	259.91	6,585.55					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for February, 1952

Contract Idm - S 173

Tunnel Progress

February progress continued to be good. Total advance for the month was the same as that in January - 239 feet. No timbering was required for any of this distance. Fifty rounds were blasted during the month, resulting in an average advance of 4.78 feet per round.

Three shifts per day were worked until the 9th of the month, when the graveyard shift was dropped in favor of a two-shift operation.

The total length of the tunnel at the end of February was 653 feet.

Geology

Except for one small exposure of schistose limestone at the portal, the tunnel has been in medium to coarse-grained biotite granodiorite for its entire length. Included in the granodiorite are irregular seams of aplitic rock, making up perhaps 5 per cent of the total.

The major faulting is pre-mineral and has a general strike of north 30 to 40° east and dips 55 to 65° west. Minor post-mineral faulting has a predominant trend of north 40 to 50° west and dips 75 to 90° west.

Mineralization consists primarily of pyritic replacement of biotite and chloritic alteration. Pyritization is confined to the immediate vicinity of the pre-mineral faults, whereas the chloritic alteration is more widespread, although more intense adjacent to the faults. Chloritic alteration has become more prevalent as the tunnel progresses. The sulfides, mainly pyrite with some arsenopyrite and stibnite, are extremely fine grained with only rare occurrences of visible stibnite.

The first 590 feet of tunnel cut only small gold-antimony veins, usually on the order of 3 to 6 inches in width, consisting of dark silicified gouge with some calcite veinlets. Mineralized clay-like fault gouge also contains some gold and antimony but assays much lower than the veins. Occasional traces of scheelite are found.

From 590 to 625 feet a zone of low-grade scheelite was cut. The scheelite is associated with an irregular network of calcite veinlets that are localized about a dark, dense, silicified breccia zone, 4½ feet in width, and consisting of a matrix of calcite with included fragments of highly altered granite.

J. A. Lucia
Assistant Manager

JAL/js

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR

Contract Idm-K173, Exhibit A, Item 3

		Rental Charge	
Compressor	(1 month)	$ 241.67	
Shovel Leader	" "	51.67	
Trammer	" "	102.00	
Air Receiver (1)	" "	7.92	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Truck	" "	200.00	
			$ 615.09

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 4 - LABOR (See attached time sheets)
Contract Idm-2173, Exhibit A, Item 4

Miners

351.5 hrs.	Straight Time @ $1.515	$ 532.52	
430 "	" " @ 1.71	735.30	
64 "	Overtime @ $1.515 x1.5	145.44	
70.5 "	" @ 1.71 x1.5	180.83	
916 hrs.	Total Wages		$ 1,594.09
	F.O.A.B. Tax @ 1.5%		23.91
	Unemployment Ins. Tax @ 1.4%		22.32
	Workmen's Comp. Ins. @ $8.06 ($1,485.34)		119.72
	Total Labor Cost		$ 1,760.04
	Shifts Worked (916 ÷ 8)		114.5
	Average Shift Rate ($1,760.04 ÷ 114.5)		$ 15.3715
	Allowable Shift Rate per Contract		$ 14.73
	Charged to Project ($14.73 x 114.5)		$ 1,686.59

ITEM 5 - SUPERVISION (ee attached time sheets)
Contract Idm-2173, Exhibit A, Item 4

155.5 hrs.	Straight time @ $1.97	$ 306.34	
51 "	Overtime @ $1.97 x1.5	150.70	
206.5 hrs.	Total Wages		$ 457.04
	F.O.A.B. Tax @ 1.5%		6.86
	Unemployment Ins. Tax @ 1.4%		6.40
	Workmen's Comp. Ins. @ $8.06 ($406.81)		32.79
	Total Supervision Cost		$ 503.09
	Shifts Worked (206.5 ÷ 8)		25.8125
	Average Shift Rate ($503.09 ÷ 25.8125)		$ 19.4902
	Allowable Shift Rate per Contract		$ 16.61
	Charged to Project ($16.61 x 25.8125)		$ 428.75

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 6 - SUPPLIES
Contract Idm-8173, Exhibit A, Item 5

(a) Timber

1440 bd. ft.	(4 x 6)lumber	$ 156.43	$ 156.43

(b) Explosives

2450 lbs.	1-1/8 x 8 Gelex #2 Powder, 45%	434.88	
1600	Electric Blasting Caps	340.48	
8 lbs.	Blasting Wire, #20	6.00	
			781.36

(c) Repair Parts

1	#410 Eimco Bucket for Shovel Loader	90.22	
20 ft.	Angle Iron, 3/8 x 2-1/2	11.80	
40 ft.	Flat Bar, 3/8 x 1-1/2	7.65	
1	Steel Plate, 1/4" x 6' x 10'	61.20	
2	SAE Cap Screws, 9/16 x 3	.18	
2	SAE Nuts, 9/16	.06	
1	USS Cap Screw, 1 x 4	.29	
8	USS Cap Screws, 5/8 x 2-1/2	.80	
8	USS Nuts, 5/8	.26	
24	Lock Washers, 5/8	.30	
4	USS Cap Screws, 5/8 x 2	.36	
4	USS Cap Screws, 5/8 x 2-1/2	.40	
16	USS Nuts, 5/8	.72	
2	Traction Motor Hose, 1"	9.60	
8	USS Cap Screws, 5/8 x 2	.68	
1	3224 x 2 Weatherhead	.17	
2	105 x 4 Weatherheads	.16	
2	S1004 Elbows	.32	
			185.17

(d) Other

165 gal.	Stove Oil	29.37
790 gal.	Diesel Oil	135.88
35 gal.	Vistac Rock Drill Oil, 28X	22.69
10 gal.	Gasoline	2.73
12 gal.	Motor Oil, #20	7.00
18	Timken Carbide Bits, MCA 1-5/8	208.62
108 ft.	Hex. Drill Steel, 1"	36.39
42 ft.	Black Pipe, 3/4"	5.29
315 ft.	Black Pipe, 1"	57.01
420 ft.	Black Pipe, 3"	316.93
2	Light Bulbs, 300 W	.60
12	Light Bulbs, 60 W	1.35
12	Light Bulbs, 100 W	1.47

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 6 - SUPPLIES

(d) Other (Continued)

1	Grinding Wheel, 10 x 3/4 x 1	5.02	
5 lbs.	Acid Core Solder	6.00	
8	Clothes Baskets	5.60	
5	Chain Lengths	6.60	
6	Pulleys	2.16	
6	Hooks	3.00	
6	Miners Picks	13.02	
6	Pick Handles	6.48	
15 lbs.	Galv. Wire, 12 gauge	1.35	
12	Grady Wedges	.61	
12 ft.	Flat Bar, 2 x 3/8	3.06	
4	Bushings, 1/2 x 3/4	.83	
4	Bushings, 1 x 1-1/4	.52	
6	Bushings, 3/4 x 1	1.46	
6	Nipples, 1/2 x 4	.57	
6	Nipples, 1 x 4	.99	
6	Nipples, 3/4 x 4	.67	
1	Battery Tester, 40 B	1.49	
1	Hose Mender, M6	.55	
5	Hose Menders, L1 143	3.25	
1	Funnel, 1/2 gal.	.91	
1	Battery Filler, #79	.61	
4	Friction Tape	1.48	
1	FF220 Filter Element	1.60	
2	X-17 Filter Elements	2.18	
			895.34

January, 1952 Supplies (included in January report but deleted for lack of price certification). See attached certification.

(a) Timber

3325 bd. ft.	(3 x 12) lumber	$ 361.20	
			$ 361.20

(b) Explosives

2100 lbs.	1-1/8 x 8 Atlas Gelodyn #3 Powder, 45%	372.54	
9000 ft.	Fuse	105.39	
800	Electric Blasting Caps	176.40	
			654.33

(d) Other

1668 gal.	Diesel Oil	284.15	
10	Timken Carbide Bits, WCA 1-5/8	115.90	
210 ft.	Black Pipe, 3"	161.33	
			561.38

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

Total Supplies Charged This Report

(a) Timber

January	$ 361.20	
February	156.43	
		$ 517.63

(b) Explosives

January	654.33	
February	781.36	
		1,435.69

(c) Repair Parts

January	-	
February	185.17	
		185.17

(d) Other

January	561.38	
February	895.34	
		1,456.72

ITEM 7 - POWER
Contract Idm-8173, Exhibit A, Item 5

5544 KWH	Electric Power @ 0.006735	$ 37.34	
			$ 37.34

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 11 - OTHER REPAIRS & UTILITIES
Contract Idm-6173, Exhibit A, Item 5

Hauling Pipe, Ties, and Timber

Alvin C. James - - 1st Maintenance Mechanic			
6 hrs.	Straight Time @ $1.775	$ 10.65	
4 hrs.	Overtime @ $1.775	10.65	
Merle C. Murray - - 2nd Maintenance Mechanic			
12 hrs.	Straight Time @ 1.645	19.74	
	Total Wages		$ 41.04
	F.O.A.B. Tax @ 1.5%		.62
	Unemployment Ins. Tax @ 1.4%		.57
	Workmen's Comp. Ins. @ $1.30 ($37.49)		.49
	Total Charged to Project		$ 42.72

Repairs to Battery Charger, Lamp Charger, and Blasting Circuit

Robert Caldwell — 2nd Electrician			
6 hrs.	Straight Time @ $1.645	$ 9.87	
J. V. Griffiths — Electrical Superintendent			
2 hrs.	@ $2.30 (Prorated salary)	4.60	
Benjiman R. Jackling — Electrical Foreman			
9.5 hrs.	Straight Time @ $1.97	18.72	
Donald Jeffries — 1st Electrician			
2 hrs.	Straight Time @ $1.775	3.55	
Floyd Jeffries — 2nd Electrician			
8 hrs.	Straight Time @ $1.645	13.16	
Sam Stillwell — 1st Electrician			
1 hr.	Straight Time @ $1.775	1.78	
	Total Wages		$ 51.68
	F.O.A.B. Tax @ 1.5%		.78
	Unemployment Ins. Tax @ 1.4%		.72
	Workmen's Comp. Ins. @ $1.30 ($51.68)		.67
	Total Charged to Project		$ 53.85

Bradley Mining Co. Blacksmith Shop Time (@ $3.00)

42 hrs.	Sharpening Bits & Forging Drill Steel	$ 126.00

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

MONTHLY SUMMARY COST STATEMENT SUPPORTING DETAIL - FEBRUARY 1952

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST.	Hours OT.	ST	OT
Douglas	Dr. Helper	$1.515	48	16	$ 72.72	$ 36.36
Douglas	Und. Miner	1.71	120	10	205.20	25.65
Hagen	Dr. Helper	1.515	164	24	248.46	54.54
Llona	Dr. Helper	1.515	139.5	24	211.34	54.54
Longacre	Und. Miner	1.71	168	30	287.28	76.95
Wardle	Und. Miner	1.71	142	30.5	242.82	78.23
			781.5	134.5	1,267.82	326.27
		Hours	916		$ 1,594.09	
		Shifts	114.5			

SUPPORTING SUPERVISION CHARGES - ITEM 5

McGinley	U.M. Foreman	1.97	155.5	51	306.34	150.70
		Hours	206.5		$ 457.04	
		Shifts	25.8125			

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Name of Operator BRADLEY MINING CO.
Docket No. DMA 1281X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of JANUARY, 1952

MAR 20 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

BRADLEY MINING CO.
(Name of Company)

By G. Watson
(Signature of Authorized Official)

FEBRUARY 20, 1952
(Date)

ASSISTANT SECRETARY
(Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water System - Item 1 (c)		1,081.11	1,081.11			
(b) Buildings Combination Framing Shed, Comp. House, Dry House, Tool House.- Item 1 (a)		3,500.00	3,500.00			
(c) Fixtures Waste Trestle - Item 1 (b)	57.98	841.17	899.15			
2. Operating Equipment:						
(a) Purchased[1] Item 2		943.00	943.00			
(b) Rented[2]						
(c) Furnished by operator Item 3	615.09	810.74	1,425.83			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	2,113.16	2,131.01	4,244.17			
5. Supervision Item 4	458.85	578.24	1,037.09			
6. Supplies Item 5						
(a) Timber	496.42	1,097.96	1,594.38			
(b) Explosives	672.43	311.93	984.36			
(c) Repair Parts	27.49	5.48	32.97			
(d) Other	1,142.53	1,507.09	2,649.62			
7. Power						
8. Transportation Item 5	17.60	-	17.60			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5 Repairs & Utilities	263.88	148.62	412.50			
Total	5,865.43	12,956.35	18,821.78			
Deletions		80.92	80.92			
Adjusted totals		12,875.43	18,740.86			
Totals previously reported						
Totals to date	5,865.43	12,875.43	18,740.86			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Thomas E Howard
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF JANUARY, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting						1 ft.				1,500
Crosscutting	2,572.01	615.09	2,338.87	281.48	5,807.45	1ft.	239	175	414	1,500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Fixtures & Improvements, see supporting detail				57.98	57.98					
Totals	2,572.01	615.09	2,338.87	339.46	5,865.43					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.E.A. Progress Report for January, 1952

Contract Idm - E 173

January was the first month since the start of the project that good progress was made. Surface work was generally completed and all efforts were directed at driving the tunnel as rapidly as possible with the available underground labor.

Total advance for the month was 239 feet. No timbering was required for most of this distance; only seventeen sets of timber were installed. However, as the rock encountered is rather badly fractured it may be necessary to go back at some later time and timber. During the month 46 rounds were blasted, resulting in an average advance of 5.2 feet per round. The total length of the tunnel at the end of the month was 414 ft.

On the 14th of January a graveyard shift was added, putting the operation on a round-the-clock basis. The first half of the month, six men were employed on the project. The last half of the month, eight men were employed — six miners, one motorman and one supervisor.

Only very minor amounts of gold, antimony, or tungsten were revealed by extensive sampling and assaying.

J. A. Macia
Assistant Manager

COPY

FROM BRADLEY MINING CO.
YELLOW PINE MINE AND SMELTER
STIBNITE, IDAHO

FOR

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

JANUARY, 1952

ITEM 1 - FIXTURES AND IMPROVEMENTS - WASTE TRESTLE
Contract Idm-E173, Exhibit A, Item (1)-(b)

Labor, per Payroll, incl. Taxes & Insurance 32 man-hours	$ 57.98	
Total Cost of Waste Trestle for Month		$ 57.98
Total Cost of Waste Trestle to Date		899.15
Allowable per Contract		2,000.00

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-E173, Exhibit A, Item (3)

		Rental Charge	
Compressor	(1 month)	$ 241.67	
Shovel Loader	" "	51.67	
Trammer	" "	102.00	
Air Receiver (1)	" "	7.92	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Truck	" "	200.00	
			$ 615.09

ITEM 4 - LABOR (See Attached Time Sheets)
Contract Idm-E173, Exhibit A, Item (4)

	Total Shifts	Wages, Incl. O.T.	Taxes & Comp. Ins.	Total Labor Cost	Av. Shift Rate Incl. O.T. & Taxes
Miners	150.00	$ 1,915.92	$ 197.24	$ 2,113.16	$ 14.0877

Allowable Shift Rate Per Contract	Charged to Project
$ 14.73	$ 2,113.16

ITEM 5 - SUPERVISION (See Attached Time Sheets)
Contract Idm-2173, Exhibit A, Item (4)

Total Shifts	Wages, Incl. O.T.	Taxes & Comp. Ins.	Total Sup. Cost	Av. Shift Rate Incl. O.T. & Taxes
27.625	$ 433.26	$ 43.56	$ 476.82	$ 17.26

Allowable Shift Rate Per Contract	Charged To Project
$ 16.61	$ 458.85

ITEM 6 - SUPPLIES
Contract Idm-2173, Exhibit A, Item 5

(a) Timber

3325 bd. ft.	(3 x 12) Lumber	$ 361.20	
744 bd. ft.	(4 x 6) Lumber	80.82	
544 lin. ft.	Stull Timber	54.40	
			$ 496.42

(b) Explosives

2100 lbs.	1-1/8 x 8 Atlas Gelodyn #3 Powder, 45%	372.54	
9000 ft.	Fuse	105.39	
1000	Blasting Caps, #6	18.10	
800	Electric Blasting Caps	176.40	
			672.43

(c) Repair Parts

1	Bucket Chain (for shovel loader)	27.03	
7	Cap Screws, 7/16 x 3	.39	
1	SAE Cap Screw, 7/16 x 3	.04	
2	SAE Nuts, 7/16	.03	
			27.49

(d) Other

302 gal.	Stove Oil	53.76
1668 gal.	Diesel Oil	284.15
13 gal.	20 w Oil	7.58
5 gal.	Rock Drill Oil	3.24
10	Timken Carbide Bits, MCA 1-5/8	115.90
105 ft.	Black Pipe, 1"	18.91
63 ft.	Black Pipe, 2"	22.96
210 ft.	Black Pipe, 3"	161.33
254 ft.	Hex Drill Steel, 1"	85.57
250 ft.	Rail, 20 lb.	97.50
10 lbs.	Blasting Wire, #18	7.50
18	Fuse Links, G.E. #1110	.56
5	Cartridge Fuses, G.E. #1034	3.04
10	Fuse Links, G.E. #1104	.16
4	Cartridge Fuses, G.E. #1027	1.20

ITEM 6 - SUPPLIES (d) Other (Continued)

3	Fuse Links, G.E. #1101	.04
1	Friction Tape, 3/4"	.37
2	Shovels	4.36
1	Padlock	1.01
2	Mill Bastard Files, 10"	.86
2	Gold Shuts, 3/8	.16
1	Grab Hook, 3/8	.32
1	C-Hook, 3/8	.63
6	Pick Handles	6.90
2	Grinding Wheels	10.04
6	Shepard Crook Handles	11.20
1-1/8 yd	Linoleum	1.92
2500 ft.	Braid Covered Wire (Blasting)	84.00
10	Buss Fuses	3.00
1	Drill Bit, 13/32	1.19
1	Outlet Box	.21
1	Twist Lock Receptacle	1.25
1	Twist Lock Cap	.75
1	Box Connector, 3/8	.08
1 cyl.	Acetylene	12.26
1 cyl.	Oxygen	5.63
6	Heavy Service Light Bulbs, 100 w	1.62
4	Light Bulbs, 150 w	.60
5 lbs.	Acid Core Solder	6.95
6	Axe Handles	3.78
3	Sleeves, 3"	5.14
3	Tees, 3"	5.58
3	Plugs, 3"	1.35
1	Plug, 3/8"	.04
3 lbs.	Wire Staples, 1-3/4"	.40
1	Ground Clamp, 3/8"	.21
15 ft.	Buna Cord	1.10
12	Water Tubes	21.99
5	Washers	3.10
8	Rubbers	1.68
50 ft.	Air Hose, 1/2"	23.75
3	Locknuts, 3/4"	.03
3	Flat Washers, 1"	.09
2	Iron Cock Valves, 1"	4.70
1	Iron Cock Valve, 1/2"	.94
1	Gate Valve, 1/2"	2.41
1	Glv. Street Ell, 1"	.39
1	Glv. Bushing, 3/4 x 1"	.24
1	Glv. Bushing, 1/2 x 3/4"	.21
1	Glv. Bushing, 3/8 x 1/2"	.15
1	Molasses Gate Valve, 2"	2.67
1	Street Ell, 1-1/2"	.46
2	Bushings, 2-1/2 x 1-1/2	.42
2	Bushings, 1-1/2 x 1-1/4	.58
2	Nipples, 1-1/4 x 2	.32
6	Nipples, 1 x 2	.75
2	Sleeves, 1"	.42
2	Plugs, 1"	.23
1	Tee, 1/2"	.23
2	Nipples, 1/2 x close	.12
2	Nipples, 1/2 x 4	.19

ITEM 6 - SUPPLIES (d) Other (Continued)

2	Couplings, 1/2"	.20	
1	Nipple, 3/8 x 2	.09	
1	Sleeve, 1/2"	.10	
1	Bushing, 1/2 x 3/8	.15	
1	Spud, 1/2"	.95	
	Freight & Tax on Mine Lamps	3.05	
2	Bucket Valve Balance Springs	1.15	
2	Traction Valve Balance Springs	.95	
2	Cables, #399	9.28	
2	Cables, #398	9.68	
5	Iron Cock Valves, 1"	2.35	
1	Check Valve, 1"	2.84	
4	Filter Elements, X-17	4.36	
			1,142.53

ITEM 7 - POWER
Contract Idm-E173, Exhibit A, Item 5

2728 KWH	Electric Power @ $0.00645	17.60	
			17.60

ITEM 11- OTHER REPAIRS & UTILITIES
Contract Idm-E173, Exhibit A, Item (5)

Bradley Mining Co. Machine Shop Time (@ $3.00)

9 hrs.	Sharpening Picks & Bars	$ 27.00	
2 hrs.	Motor Mount	6.00	
1 hr.	Cutting Steel Plate	3.00	
17 hrs.	Threading Drill Steel	51.00	

Bradley Mining Co. Equipment Shop Time (@ $3.00)

1.5 hrs.	Compressor Repairs	4.50	
5 hrs.	Shovel Loader Bucket Repairs	15.00	

Bradley Mining Co. Blacksmith Shop Time (@ $3.00)

12 hrs.	Sharpening Bits & Forging Drill Steel	36.00	

Other Repairs & Utilities (@ $1.81169)

8 hrs.	Saw Filing	14.49	
8 hrs.	Making Wedges	14.49	
4 hrs.	Hauling Timber	7.25	
9 hrs.	Vent Blower	16.31	
5 hrs.	Battery Repairs	9.06	
25 hrs.	Blasting Circuit & Switch	45.29	
8 hrs.	Mine lamp repairs	14.49	
			$ 263.88

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	ST	OT
Douglas	Drill Hlpr.	$1.39	168	32	$ 233.52	$ 66.72
Hagen	" "	1.39	168	40	233.52	83.40
Llema	" "	1.39	152	40	211.28	83.40
Longacre	U. Miner	1.54	168	48	258.72	110.88
Miller	" "	1.54	112	8	172.48	18.48
Sawyer	" "	1.54	64	-	98.56	-
Wardle	" "	1.54	152	48	234.08	110.88
			984	216	1,442.16	473.76

Hours 1,200 $ 1,915.92

Shifts 150

SUPPORTING LABOR CHARGES - ITEM 5

McGinley	U.M. Foreman	1.74	165	56	287.10	146.16

Hours 221 $ 433.26

Shifts 27.625

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 173

Name of Operator Bradley Mining Co.
Docket No. DMA 1284X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of December 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

Bradley Mining Co. (Name of Company) By G. Olston (Signature of Authorized Official)

January 18, 1952 (Date) Assistant Secretary (Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water System-Item 1(c)	23.36	1,057.75	1,081.11			
(b) Buildings Combination Framing Shed, Comp. House, Dry house, Tool House Item 1(a)		3,500.00	3,500.00			
(c) Fixtures Waste Trestle-Item 1(b)		841.17	841.17			
2. Operating Equipment:						
(a) Purchased[1] Item 2		943.00	943.00			
(b) Rented[2]						
(c) Furnished by operator Item 3	607.17	203.57	810.74			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] Item 4	1,590.50	540.51	2,131.01			
5. Supervision Item 4	428.75	149.49	578.24			
6. Supplies Item 5						
(a) Timber	897.02	200.94	1,097.96			
(b) Explosives	169.85	142.08	311.93			
(c) Repair Parts	1.92	3.56	5.48			
(d) Other	1,127.71	379.38	1,507.09			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5	84.12	64.50	148.62			
Repairs						
		7945.03	12875.43			
Total	4,930.40	8,025.95	12,956.35			
Deletions		80.92				
Adjusted totals						
Totals previously reported		7945.03	12875.43			
Totals to date	4,930.40	8,025.95	12,956.35			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Hoad D. Pearo
Amount approved for payment
Remarks

3697.80

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										1,500
Crosscutting	2,019.25	607.17	2,196.50	84.12	4,907.04	1 ft.	138	37	175	1,500
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Fixture s & improvements, see supporting detail				23.36	23.36					
Totals	2,019.25	607.17	2,196.50	107.48	4,930.40					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

COPY

From: BRADLEY MI
YELLOW PINE
SHENIM, IDAH

D.M.A. Progress Report for December, 1951

Contract Idm - 3173

Tunnel progress continued to be slow in December. Advance for the month totaled 138 feet; total length of the tunnel at the end of the month was 175 ft. The primary reason for the low footage was the character of the ground encountered. Extensive faulting and fracturing, combined with oxidized and soft rock, made it necessary to keep the tunnel timbered completely up to the face at all times. Forty percent of the underground labor time was devoted to timber framing and installation.

Both channel samples and car samples are taken each day. During December several of the samples indicated some gold-antimony mineralization, although not enough to warrant more than moderate interest. Traces of scheelite were found distributed apparently at random throughout the tunnel.

Six men were employed on the project - - five miners and one supervisor, working two shifts per day.

Enclosed is a map showing tunnel progress to December 31, 1951.

J. A. Mecia, Assistant Manager

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS - WATER SYSTEM
Contract Idm-E173, Exhibit A, Item (1) (c)

Labor, per Payroll, incl. Taxes & Insurance - 4 man-hours	$ 7.36	
		$ 7.36
Contractor's Account:		
A. Warren Plumbing & Heating Co. Invoice dated Nov. 30, 1951	16.00	
		16.00
Total Cost of Water System for Month		23.36
Total Cost of Water System to Date		1,081.11
Allowable per Contract		1,500.00

ITEM 1 - FIXTURES & IMPROVEMENTS - COMBINATION FRAMING SHED, COMPRESSOR HOUSE AND TOOL HOUSE
Contract Idm-E173, Exhibit A, Item (1)-(a)

Labor, per Payroll, incl. Taxes & Insurance - 77 man-hours	$141.67	
		$141.67

Supplies:

1	1" Check Valve	2.84
384 sq. ft.	Transite	78.36
1	1 to 1-1/2 Bushing	.37
2	1 to 2 Bushing	.56
1	1 to 3/4 Bushing	.20
1	3/4 to 1/2 Bushing	.17
1	1/2 to 3/8 Bushing	.15
1	3/8 x 2 Nipple	.06
1	3/8 Used Gate Valve	1.75
2	1 x close Nipple	.24
4	1 x 6 Nipples	.84
4	1 x 90° Elbows	1.13
2	1" Tees	.82
1	1" Union	.79
1	2 x 6 Nipple	.42
1	2 x 90° Elbow	.85
2 pr.	3-1/2" Half surface Butts	1.86
2	Casement Fasteners	.68
6	3/4" Rubber Tape	3.09
6	3/4" Friction Tape	2.22
5 lbs.	#20 Box Nails	.54
217 bd. ft.	Misc. Lumber	23.57

(Continued)

ITEM 1 - FIXTURES & IMPROVEMENTS - COMB. FRAMING SHED, COMPR. HOUSE, AND TOOL HOUSE (Contract Idm-E173, Exh. A, Item (1)-(a)

Supplies: (Cont'd.)

1	G. E. Lamp Holder	.58	
1	100 W Light Bulb	.12	
2 rolls	Friction Tape	.74	
2 rolls	Rubber Tape	1.03	
1	Padlock	1.00	
1	4-1/2" Safety Hasp	.28	
			125.26

Contractor's Account:

Martin Construction Co. Invoice Dated Dec. 31, 1951	62.62	
		62.62

Total Cost of Combination Framing Shed, Compressor House, Dry House & Tool House for Month	329.55
Total Cost to Date	3,887.24
Allowable per Contract	3,500.00
Charged to Project	None

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-E173, Exhibit A, Item (3)

		Rental Charge	
Compressor	(1 month)	241.67	
Shovel Loader	" "	51.67	
Trammer	" "	102.00	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Truck	" "	200.00	
			607.17

ITEM 4 - LABOR (See Attached Time Sheets)
Contract Idm-E173, Exhibit A, Item (4)

	Total Shifts	Wages, Incl. O.T.	Taxes & Comp. Ins.	Total Labor Costs	Average Shift Rate Incl. O.T. & Taxes
Miners	114.875	$1,440.92	$ 149.58	$ 1,590.50	$ 13.8458

Allowable Shift Rate per Contract	Charged to Project
$ 14.73	$ 1,590.50

ITEM 5 - SUPERVISION (See attached Time Sheets)
Contract Idm-2173, Exhibit A, Item (4)

Total Shifts	Wages, Incl. O.T.	Taxes & Comp. Ins.	Total Sup. Cost	Av. Shift Rate Incl. O.T. & Taxes
25.8125	$ 399.76	$ 40.56	$ 440.32	$ 17.0584

Allowable Shift Rate per Contract	Charged to Project
$ 16.61	$ 428.75

ITEM 6 - SUPPLIES
Contract Idm-2173, Exhibit A, Item 5

(a) Timber

6969 bd. ft.	(3 x 12) Lumber	$757.06	
552 bd. ft.	(4 x 6) Lumber	59.96	
800 lin. ft.	Stull Timber	80.00	
			$ 897.02

(b) Explosives

750 lbs.	1-1/8 x 8 Atlas Gelodyn #3 Powder	133.05	
3000 ft.	Fuse	35.13	
100	Fuse Spitters	1.67	
			169.85

(c) Repair Parts

4	1 x 6 Machine Bolts	.88	
4	5/8 x 8 Machine Bolts	.64	
22	5/8 Flat Washers	.40	
			1.92

(d) Other

636 gal.	Stove Oil	113.21
727 gal.	Diesel Oil (Compressor)	122.14
2	Timken Carbide Bits, MCA 1-5/8	23.18
100 lbs.	6d Common Nails	10.58
1	5 gal. Gas Can	2.13
100	1-1/4" Wire Hose Clamps	3.25
50	1-3/4" Wire Hose Clamps	3.40
25	2-1/2" Wire Hose Clamps	3.43
1 keg	3/8 x 3-1/2 Track Spikes	16.79
1 keg	1/2 x 2 Track Bolts	21.64
1 roll	Twine	1.15
1	Peavey Handle	2.98
25 lbs.	#12 galv. Wire	2.25
294 ft.	1" Black Pipe	50.13
310 ft.	3" Pipe	131.66
2	Miners Axes	6.30
850 ft.	Vent Pipe--per attached invoice	450.50
	Transpostation on Vent Pipe	48.66
1	Welders Goggles	5.10

(Continued)

Item 6 - SUPPLIES (Contract Idm-8173, Exhibit A, Item 5

(d) Other (Continued)

2	100 amp Fuse Links	.36	
1	Double-Jack Handle	1.04	
150 gal.	Gasoline (Truck)	40.95	
1 bbl.	10 w Oil (Compressor)	57.75	
7 gal.	20 w Oil (Compressor)	4.08	
4 gal.	10 w Oil (Truck)	2.87	
2	X-17 Filter Elements	2.18	
			$ 1,127.71

ITEM 11 - OTHER REPAIRS & MAINTENANCE
(Contract Idm-8173, Exhibit A, Item (5)

Bradley Mining Co. Machine Shop Time:

2 hrs.	Fuse Spool Fabrication @ $3.00	$ 6.00	
7 hrs.	Pipe & Elbows @ $3.00	21.00	

Bradley Mining Co. Equipment Shop Time:

8 hrs.	Compressor Repairs @ $3.00	24.00	

Other Maintenance & Repair Work:

4 hrs.	Filing Saws @ $1.8399	7.36	
6 hrs.	Motor & Batteries @ $ 1.8399	11.04	
8 hrs.	Tempering Steel @ $ 1.8399	14.72	
			$ 84.12

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	Amount ST	Amount OT
Douglas	Drill Helper	$1.39	66	8	$ 91.74	$ 16.68
Hagen	" "	1.39	168	32.5	233.52	67.76
Jolley	" "	1.39	48	8	66.72	16.68
Esteban	" "	1.39	168	20	233.52	41.70
Longacre	U. Miner	1.54	168	32	258.72	73.92
Wayne	" "	1.54	160	40.5	246.40	93.56
			778	141.0	$1,130.62	$310.30
		Hours	919		$1,440.92	
		Shifts	114.875			

SUPPORTING LABOR CHARGES - ITEM 5

McGinley	U. M. Foreman	$1.74	160	46.5	$ 278.40	$121.36
		Hours	206.5		$ 399.76	
		Shifts	25.8125			

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 173

Name of Operator Bradley Mining Co.
Docket No. DMA 1284X
Total Contract Amount $ 97,368.00
Government Participation: 75 % Amount, $ 73,026.00
Distribution of Expenditures for Month of Oct.-Nov., 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

Bradley Mining Co. (Name of Company) By S. C. Orton (Signature of Authorized Official)

January 17, 1952 (Date) Assistant Secretary (Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Water System - Item 1(c)	1,057.75		1,057.75			
(b) Buildings Combination Framing Shed, Comp. House, Dry House, Tool House, Item 1(a)	3,500.00		3,500.00			
(c) Fixtures Waste Trestle - Item 1 (b)	841.17		841.17			
2. Operating Equipment:						
(a) Purchased[1] Item 2	943.00		943.00			
(b) Rented[2]						
(c) Furnished by operator Item 3	203.57		203.57			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
Item 4						
4. Labor[3]	540.51		540.51			
5. Supervision Item 4	149.49		149.49			
6. Supplies Item 5						
(a) Timber	200.94		200.94			
(b) Explosives	142.08		142.08			
(c) Repair Parts	3.56		3.56			
(d) Other	379.38		379.38	298.46		
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5 Repairs	64.50		64.50			
Total	8,025.95		8,025.95			
Deletions	80.92		80.92			
Adjusted totals	7945.03					
Totals previously reported						
Totals to date	~~8,025.95~~		~~8,025.95~~	7945.03		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Howe T. Reno
Amount approved for payment $ 5958.77
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Oct.-Nov.,1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting			80.92		2,546.11					1,500
Crosscutting	690.00	1,146.57	725.96	64.50	2,627.03	1 ft.	37		37	1,500
Raising			645.04							
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Fixtures, & improvements, see supporting detail				5,398.92	5,398.92					
			645.04		7,945.03					
Totals	690.00	1,146.57	725.96	5,463.42	~~8,025.95~~					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for October and November, 1951

Contract Idm. - E 173

Work on the project commenced on October 24th and until November 20th consisted entirely of surface work preparatory to starting underground operations.

During this period hand labor and a tractor were used to prepare a site for the framing shed and dry house, prepare for trestle erection, and grade a pipeline right of way for the water system. A waste dump trestle 112 feet long was finished, and 600 feet of water line was installed. A combination framing shed and compressor house was constructed. Installation of the surface plant was well advanced by the end of November. All of this initial work was done on a one shift per day basis.

The first crosscut round was blasted on November 20th. By the end of November the tunnel had been advanced 37 feet through soft and broken rock that required heavy timbering. On November 25th operations were put on a two shift basis, with each shift consisting of two miners. One supervisor divided his time between the two shifts.

In order to secure adequate dump room the tunnel elevation was raised approximately 60 feet higher than the originally proposed elevation; the track elevation at the portal is 6,622 feet. The portal coordinates are 23,263 north and 21,043 east, referred to the local Bradley Mining Co. coordinate system.

Two maps are enclosed; one shows the general location of the tunnel and surface plant, the other shows tunnel detail.

E. E. Coleman

E. E. Coleman, Manager

YUKON FUEL CO.

BUNKER HILL CO.

Kellogg, Idaho

U.S.A. Progress Report for October and November, 1941

Contract No. - R 277

Work on the project commenced on October 20th and until November 20th consisted entirely of surface work preparatory to obtaining underground operations.

During this period hard labor and a tendency to cool the pressure cable for the trenching sled and dynamos, pressure for tunnelling stretcher and probably a plausible might or say for the water system. A waste dump consisting 277 feet long was finished, and 600 feet of water line was installed. A combination trenching sled and compressor house was constructed. Installation of the surface plant was well advanced by the end of November. All of this initial work was done on a too small scale and very little.

The first crosscut round was fired on November 20th. By the end of November the tunnel had been advanced 37 feet although such time crosscut was required many thousand. In November 2000 operations were put on a two shift basis, with each shift consisting of two miners. One supervisor divided the time between the two shifts.

In order to secure adequate drainage, the tunnel elevation was raised approximately 30 feet higher than originally proposed elevation; the tunnel elevation at the portal is 3,000 feet. The portal coordinates are 23,000 north and 21,000 east, referred to the local Bunker Hill Co. co-ordinate system.

Drawings are enclosed; one shows the general location of the tunnel and surface plant, the other shows tunnel detail.

E. E. Gordon, Manager

BRADLEY MINING CO.
STIBNITE, IDAHO

Oct.-Nov. - 1951

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS - WATER SYSTEM
(Contract I&m-2173, Exhibit A, Item (1)-(e)

Labor, per payroll - 242 man-hours	$406.12	
F.O.A.B. Tax	6.09	
Unemployment Insurance Tax	5.69	
Workman's Compensation Insurance	20.75	
		$ 438.65

Supplies:

30	2" Galv. Couplings	.36
2	2" " Unions	3.48
1	2" " Street Ells	1.04
2	2" Plugs	.61
2	2" Caps	1.06
2	2" Tees	2.52
2	1½" Couplings	.49
1	1½" Tee	.87
1	2 to 1½ Bushing	.25
1	1½ to 1¼ Bushing	.29
105 ft.	1½ Black Pipe	24.71
84 ft.	1¼ Black Pipe	23.49
12	1" Couplings	2.54
6	1" x 90° Ells	1.70
2	1" Unions	1.67
1	3/8" Used Gate Valve	3.25
1	1¼ x 1 Galvanized Bushing	.13
1	3/4 x 1 " "	.20
1	1/2 x 3/4 " "	.17
1	3/8 x 1/2 " "	.15
60 ft.	3" Used Pipe	23.04
6	1 x 4 Galv. Nipples	1.00
2	1" Galv. Unions	1.67
2	1" Galv. Tees	.77
105 ft.	1" Pipe	18.38
1	#4950 H3 Deming Water System	143.97
30 ft.	1" Pipe	5.25
2	1 x 6 Galv. Pipe Nipples	.42
2	1 x 4 " " "	.33
2	1 x 2 " " "	.16
2	1" Galv. 90° Ells	.57
21 ft.	2" Galv. Pipe	7.70
21 ft.	3/4" Galv. Pipe	3.21
2	1/2" Galv. Tee	.41
2	1/2" Galv. Ells, 90°	.36
2	3/4" " " "	.46
4	3/4" Galv. Tees	1.23
2	3/4" Galv. Street Ells	.77
4	3/4 x 1/2 Bushings	.67
8	1/2" Galv. Street Ells	1.74
4	1/2" Unions	2.28
2	1/2 x 2 Galv. Nipples	.14

(Continued)

4	1/2 x 4 Galv. Nipples	.39	
2	1/2 x 6 Galv. Nipples	.25	
3	2" Galv. Close Nipples	.89	
1	2 x 2 Galv. Close Nipples	.23	
3	1" 90° Ells	.85	
6	3/4" De	1.38	
1	1/2" Boiler Drain	.77	
1	3/4 x 1/2 Galv. Bushing	.17	
42 ft.	3/4" Galv. Pipe	6.44	
3	3/4" Galv. Unions	1.89	
2	1" " "	1.58	
1	3/4 x 1 Galv. Bushings	.20	
1	1" Close Galv. Nipple	.12	
1	1 x 2 Galv. Nipples	.08	
2	1 x 4 " "	.33	
2	1 x 6 " "	.42	
1	1" Galv. Pipe Couplings	.21	
300 ft.	2" Used Pipe	56.08	
228 bd.ft.	(2 x 6) lumber	24.77	
152 " "	(2 x 6) lumber	16.51	
120 ft.	1" Used Pipe	18.90	
20 gal.	Diesel Fuel	3.36	
	Total Supplies		$ 419.33

Equipment Rented from Bradley Mining Co.:

8 hrs.	D-7 Tractor @ $8.00 incl. operator	64.00	
			$ 64.00

Bradley Mining Co. Machine Shop Time:

1 hr.	Fabricating Water Pipe Screen @ $3.00	3.00	
			$ 3.00

Contractor's Account:

A. Warren Plumbing and Heating Co. Invoice dated Nov. 30, 1951	132.77	
		$ 132.77

Total Cost of Water System to Date	$1,057.75
Allowable Under Contract	$1,500.00

ITEM 1 - FIXTURES AND IMPROVEMENTS - COMBINATION FRAMING SHED, COMPRESSOR HOUSE, DRY HOUSE AND TOOL HOUSE
(Contract Idm-8173, Exhibit A, Item (1) - (a)

Labor, per Payroll - 528 man-hours	$ 885.44	
FOAB Tax	13.28	
Unemployment Insurance Tax	12.40	
Workmen's Compensation Insurance	45.25	
		$ 956.37

Supplies:

1	Warehouse Broom	2.25	
2	3/4 x 1/2 Bushing	.33	
2	1/2 x 3/8 Bushing	.30	

(Continued)

ITEM 1 - FIXTURES AND IMPROVEMENTS - COMBINATION FRAMING SHED, COMPRESSOR HOUSE, DRY HOUSE AND TOOL HOUSE (Contract Idm-8171, Exhibit A, Item (1)-(a)

Supplies: Cont'd.

2	3/8 x 1/4 Bushing	.27
2	W41 x 6 Copper Tubing Fittings	.66
2	W48 x 6 Copper Tubing Fittings	.88
11 ft.	3/8 Copper Tubing	1.38
1	3/8 Union	.32
1	Galv. Valve	3.25
3	3/8 x 6 Nipples	.34
3	3/8 x close Nipples	.18
2	3/8 Couplings	.18
10' -8"	65# Asphalt Roofing	1.47
2	1 x 2 Galv. Pipe Bushing	.56
12 bd. ft.	(1 x 12) lumber	1.30
10	Hack Saw Blades	3.92
4	3/4 Cable Clamps	3.32
756 sq. ft.	Sheetrock	39.13
10 lbs.	Plasterboard Nails	1.12
5 rolls	65# Asphalt Roofing	20.25
10 lbs.	8d Common Nails	1.09
3 rolls	65# Asphalt Roofing	12.15
10 lbs.	16d Common Nails	1.07
6	4" Lag Screws	.58
6	Porselain Wire Holders	1.71
8 cu. yds.	Aggregate Sand	14.00
192 bd.ft.	(2 x 6) lumber	20.86
576 bd.ft.	(1 x 12) lumber	62.57
120 bd.ft.	(1 x 12) lumber	13.04
107 bd.ft.	(1 x 4) lumber	11.62
192 bd.ft.	(1 x 12) lumber	20.86
33 sacks	Cement	48.51
107 bd.ft.	(8 x 8) lumber	11.62
192 bd.ft.	(6 x 8) lumber	20.86
640 bd.ft.	(1 x 12) lumber	69.52
240 bd.ft.	(1 x 4) lumber	26.07
160 bd. ft.	(2 x 6) lumber	17.38
187 bd.ft.	(1 x 10) lumber	20.31
2 pr.	Extra Heavy 10" Tee Hinges	2.76
4 rolls	65# Asphalt Roofing	16.20
10 lbs.	#20 Common Nails	1.07
5 lbs.	#60 Common Nails	.53
15 lbs.	8d Nails	1.64
1	1/3" Pitch Galv. Roof Jack	1.54
1	1/3" Pitch Galv. Roof Jack	1.54
4	Right Angle Door Hangers	7.00
6	Track Hangers	2.26
24 ft.	#31 Track	18.00
6	1/2 x 2-1/2 Lag Screws	.25
1 pr.	Triplex Spring Hinges	3.37
4	Handy Boxes	1.04
10	3/8" Box Connectors	.80
12	F.H. Wood Screws	.11
3	Outlet Boxes	.69

(Continued)

Supplies: Cont'd.

6	Water Tight Sockets	2.78
2	Porcelain Receptacles	.42
3	Switch Covers	.38
3	Twin Outlets	.96
1	Handy Box	.26
3	Handy Cover for Duplex Outlet	.21
12	R.H. Stove Bolts	.12
20	5/16" Flat Washers	.04
24	F.H. Wood Screws 3/4 x 9	.12
10	F.H. Wood Screws 2 x 12	.08
20	F.H. Wood Screws 1-1/2 x 12	.18
4	Quick Lugs	.28
1	Blackburn Connector	.21
1	Motor Starting Switch	1.91
1	Junction Box	.23
1	4" Pull Chain Receptacle	.38
2	Water Tight Socket	.93
1	Safety Female Plug	.96
2	Flush Tumbler Switch	.86
4	70 Amp Lugs	.14
4	100 W. Light Bulbs	.50
4	150 W. Light Bulbs	.62
4	100 W. Light Bulbs	.50
6	150 W. Light Bulbs	.93
6	#4-H Blackburn Connectors	1.23
4	#6-H Blackburn Connectors	.69
4	#8-H Blackburn Connectors	.62
700 ft.	#10 Type T Wire	17.57
64 bd. ft.	(1 x 12) lumber	6.95
5	Porcelain Wire Holders	1.43
1	Type D Enclosed Switch	6.25
64 sq. ft.	1/4" Ply Wood	10.70
40 bd. ft.	(1 x 10) Lumber	4.35
1 pr.	2" Light Narrow Butt Hinges	.15
1	Heater Unit for Type TT Switch	.94
4	15 amp Primary Fuses	1.16
600 ft.	Weather-Proof Wire #6	21.00
2	1/2" Bushings	.07
2	1/2" Locknuts	.04
1	1/2 x 2" Nipple	.07
18 ft.	1-1/4" OG Door Stop	.90
502 bd. ft.	(2 x 12) Lumber	54.53
255 bd. ft.	(8 x 8) Lumber	27.70
80 Lin. ft.	Stull Timber	8.00
40 ft.	20# Rail	13.60
85 bd. ft.	(8 x 8) Lumber	9.23
30 bd. ft.	(3 x 10) Lumber	3.26
16 bd. ft.	(2 x 6) Lumber	1.74
188 bd. ft.	(2 x 12) Lumber	20.42
600 bd. ft.	(2 x 12) Lumber	65.18
32 lin. ft.	Stull Timber	3.20
40 bd. ft.	(3 x 10) Lumber	4.35
48 bd. ft.	(3 x 12) Lumber	5.21
144 bd. ft.	(3 x 12) Lumber	15.64
84 bd. ft.	(3 x 12) Lumber	9.13
180 bd. ft.	(3 x 12) Lumber	19.55

(Continued)

ITEM 1 - FIXTURES & IMPROVEMENTS - COMBINATION FRAMING SHED, COMPRESSOR HOUSE, DRY HOUSE & TOOL HOUSE (Contract Idm-K173, Exhibit A, Item (1)-(a)

Supplies: Cont'd.

45 bd. ft.	(3 x 10) lumber	4.89	
32 lin. ft.	Stull Timber	3.20	
1 50-lb. box	Gelex #2 1-1/8 x 8 45% Powder	8.88	
8	5/8 x 9" Lag Screws	1.04	
1	Spark Heater	100.00	
1	Spark Fan	29.45	
12 lengths	6" Stove Pipe	5.40	
2	6" Elbows	.90	
1	6" Elbow	.50	
1	6" Elbow	.45	
1	Air Tight Heater	7.50	
	Total Supplies		$ 1,625.10

Equipment Rented from Bradley Mining Co.:

37.5 hours	D-7 Tractor @ $8.00 incl. operator	300.00	
8.0 hours	Truck & Trailer @ $4.00 incl. "	32.00	
			332.00

Contractor's Account:

Martin Construction Co. Invoice Dated Oct. 31, 1951	343.11	
Martin Construction Co. Invoice Dated Nov. 30, 1951	901.11	
		1,244.22

Total Cost of Combination Framing Shed, Compressor House, Dry House & Tool House To Date	$3,557.69
Allowable Under Contract	$3,500.00

ITEM 1 - FIXTURES AND IMPROVEMENTS - WASTE TRESTLE (Contract Idm-K173, Exh. A, Item(1)-(b)

Labor, per Payroll - 211 man-hours	$ 354.37	
F.O.A.B. Tax	5.31	
Unemployment Insurance Tax	4.96	
Workmen's Compensation Insurance	18.11	
		$ 382.75

Supplies:

80 ft.	20# Rail	27.20
468 bd. ft.	(3 x 12) lumber	50.84
12 bd. ft.	(3 x 8) lumber	1.30
48 bd. ft.	(4 x 6) Lumber	5.21
352 bd. ft.	(4 x 6) lumber	38.24
262 lin. ft.	Stull Timber	26.20
72 bd. ft.	(3 x 8) Lumber	7.82
18 bd. ft.	(3 x 12) lumber	1.96
40 ft.	20# Rail	13.60
100 lbs.	60d Common Nails	10.66
216 Lin. ft.	Stull Timber	21.60
112 bd. ft.	(2 x 6) Lumber	12.17

(Continued)

ITEM 1 - FIXTURES & IMPROVEMENTS - WASTE TRESTLE (Contract Idm-2173, Exh.A, Item (1)-(b)

Supplies: Cont'd.

120 bd. ft.	(4 x 6) Lumber	13.04	
120 ft.	20# Rail	40.80	
480 bd. ft.	(2 x 6) Lumber	52.14	
1067 bd. ft.	(8 x 8) Lumber	115.91	
	Total Supplies		$ 438.69

Contractor's Account:

Martin Construction Co. Invoice Dated Nov. 30, 1951 — 19.73 — 19.73

Total Cost of Waste Trestle To Date — $ 841.17

Allowable Under Contract — $2,000.00

ITEM 2 - OPERATING EQUIPMENT (a) PURCHASED
Contract Idm-2173, Exhibit A, Item (2)

2 — J-50 Drills & Jacklegs, per attached Ingersoll-Rand Co. invoice — 943.00 — $ 943.00

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-2173, Exhibit A, Item (3)

	Rental Charge
Compressor (1/2 month)	120.83
Shovel Loader (1/2 month)	25.83
Trammer (1/2 month)	51.00
Skilsaws (1/2 month)	3.00
Cutoff Saw (1/2 month)	2.91
	$ 203.57

ITEM 4 - LABOR (See Attached Time Sheets)
Contract Idm-2173, Exhibit A, Item (4)

	Total Shifts	Wages, Incl. O.T.	Taxes & Comp. Ins.	Total Labor Costs	Av. Shift Rate Incl. O.T. & Taxes
Miners	37.5625	$490.19	$ 50.32	$540.51	$ 14.3896

ITEM 5 - SUPERVISION (See Attached Time Sheets)
Contract Idm-2173, Exhibit A, Item (4)

9.0000	146.60	14.35	160.95	17.88

Allowable Shift Rate Under Contract	Charged to Project
$ 16.61	$ 149.49

ITEM 6 - SUPPLIES (Contract Idm-R173, Exhibit A, Item (4))

(a) Timber

1438 bd. ft.	(3 x 12) Lumber	156.28	
308 bd. ft.	(4 x 6) Lumber	33.46	
112 lin. ft.	Stull Timber	11.20	
			200.94

(b) Explosives

3000 ft.	Fuse	35.13	
1000	#6 Caps	18.20	
500 lbs.	1-1/8 x 8 Gelex #2 Powder	88.75	
			142.08

(c) Repair Parts

6	Zerk Fittings	.40	
8	5/8 x 9 Machine Bolts	1.38	
10	5/8 x 7 Machine Bolts	1.48	
2	5/8 x 6 Machine Bolts	.20	
4	5/8 Flat Washers	.06	
3	5/8 Lock Washers	.04	
			3.56

(d) Other

280 ft.	20# Rail	95.20	
4	3/4 to 1" Pipe Bushings	.79	
1	Crestaley Wrench, 10"	1.85	
33 lbs.	Gear Lube, #90	4.54	
2	Timken Carbide Bits, MCA 1-5/8	23.18	
95 gal.	Stove Oil	16.91	
16 gal.	#20 Oil for Compressor	9.33	
3	Miner's Pick Handles	1.56	
2	Padlocks	2.00	
1	DuPont Cap Crimper	80.92 out	
1	1/2" Ratchet	6.25	
1	1" Square Socket	1.72	
21 ft.	2" Pipe	7.85	
3	4 x 6" Nipples	3.39	
2	4" Couplings	6.04	
1	#3 Stayput hose Clamp Tool	11.00	
2	1" Iron Cock Valves	4.70	
2	1/2" Cold Shuts	.27	
565 gal.	Diesel Fuel for Compressor	94.92	
2 gal.	Gasoline for Compressor	.55	
1	True Temper Axe	3.64	
1	Shovel	2.77	
			379.38

ITEM 11 - OTHER REPAIRS (Contract Idm-R173, Exh. A, Item (5))

Bradley Mining Co. Machine Shop Time:

5 hrs.	Sharpening Picks & Bars @ $3.00	15.00	
1 hr.	Timber Dogs @ $3.00	3.00	

Bradley Mining Co. Equipment Shop Time:

3.5 hrs.	Mine Timber Car @ $3.00	10.50	
12 hrs.	Compressor Repairs @ $3.00	36.00	
			$ 64.50

SUMMARY OF TIME CARDS ATTACHED

SUPPORTING LABOR CHARGES - ITEM 4

Name	Class	Rate	Hours ST	Hours OT	Amount ST	Amount OT
Hagen	Drill Helper	1.39	48	8	$ 66.72	$ 16.68
Esteban	" "	1.39	64	16	88.96	33.36
Longacre	U. Miner	1.54	72	16	110.88	36.96
Wayne	" "	1.54	40	8	61.60	18.48
McGinley	U. M. Foreman	1.74	20.5	8	35.67	20.88
			244.5	56	$363.83	$126.36
		Hours	300.5		$490.19	
		Shifts	37.5625			

SUPPORTING LABOR CHARGES - ITEM 5

McGinley	U. M. Foreman	1.74	47.5	24.5	$ 82.65	$ 63.95
		Hours	72.0		$146.60	
		Shifts	9.0			

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

To: Bradley Mining Company
1022 Crocker Building
San Francisco 4, California

Pursuant to the provisions of Amended Exploration Project Contract No. Idm-E173, dated February 27, 1953, as amended, (Docket No. DMEA-1284), hereinafter called the "contract" (amending and superseding the Original Contract, dated October 9, 1951, as amended, same docket and contract numbers) between the Bradley Mining Company, a corporation, and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

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

Crosscutting, drifting, raising, and diamond drilling on the land described in Article 2 of the Amended Contract exposed a zone of low-grade antimony-gold ore in the vicinity of the Meadow Creek fault. The primipal surrounding rocks are quartz monzonite and related rocks of the Idaho batholith. Alteration of the quartz monzonite is general in the vicinity of the ore body.

Dated: JUL 2 5 1956

MChing/ism 7-12-56
cc to: Operator(original)
Contract Admr & Audit Div.
Field Team, Reg. I, NW Dist. (2)
Finance Office
Rare and Misc. Metals Div.
Mails & Files Docket
Clarence A. Fredell, Acting Director, Materials Div., EPS
Admr.'s ReadingFile
Operating Committee
Robert W. Geehan, Rm. 3608
THKiilsgaard, Rm. 5224
F. E. Johnson
Mr. Ching

THE UNITED STATES OF AMERICA

BY O P Matthews
Administrator, Defense Minerals
Exploration Administration

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

Mr. John D. Bradley
Executive Vice President
Bradley Mining Company
[illegible] Crocker Building
San Francisco 4, California

[illegible]2 6 1956

Re: Docket No. [illegible]-12[illegible] (Antimony)
Amended Contract No. Ida-[illegible]173
Yellow Pine Mine
Valley County, Idaho

Dear Mr. Bradley:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract," related to the Original Contract No. Ida-[illegible]173, dated October 9, 1951, and the Amended Contract No. Ida-[illegible]173, dated February 27, 1953. This certification covers all the land described in Article 2 of the Amended Contract, as amended, hereinafter referred to as the "Amended Contract."

By the terms of the Amended Contract, all antimony and other valuable minerals produced from the land referred to above, from February 27, 1953, are subject to the Government's percentage royalty as set forth in the Amended Contract, until the sum of $135,217.79 is repaid, or until February 27, 1966, whichever occurs first.

Payments should be made to Mr. A. [illegible] Weisenborn, Executive Officer, [illegible] Field Team, Region 4, Northwest District, South 157 Howard Street, Spokane 4, Washington. Checks should be payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify Mr. Weisenborn of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period please notify Mr. Weisenborn at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosure

Robert W. Gaskins, Ass. [illegible]
F. M. Kilbourne, Ass. [illegible]
Field Team, Reg. 4, NW Dist. (2)
F. M. Johnson

Code 700
Mr. Colby
Adm. to Reading File [illegible]
Operating Contract Adm. & Audit Div.

700

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

Mr. Clarence A. Frowell
Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
7th and D Streets, S. W.
Washington 25, D. C.

JUL 26 1956

Ref: Contract No. [illegible] (Antimony)
Amended Contract No. [illegible]-173
Bradley Mining Company
Yellow Pine Mine
Valley County, Idaho

Dear Mr. Frowell:

I am enclosing one copy of a certification of discovery or development relating to the subject exploration project.

The original contract, dated October [illegible], [illegible] and the Amended Contract, dated February 27, 1953, with its amendments, cover a project estimated to cost $[illegible],[illegible].0. Work on the project was started in October, 1951 and was completed in November, 1955. The final report of review by the Auditor showed total expenditures during the life of the contract were $180,263.79, with Government participation amounting to $1[illegible],[illegible].79 or 75 percent.

The work authorized provided for crosscutting, drifting, raising, and diamond drilling to explore for antimony ore along the Yellow Creek fault. The work completed consisted of 4,69[illegible] feet of crosscutting and drifting, 191 feet of raising and 5,770 feet of diamond drilling.

The work resulted in the discovery of a zone of low-grade antimony-gold ore with indicated reserves amounting to an estimated 57,[illegible] tons of material containing 0.197 oz. gold per ton and [illegible]% antimony.

The [illegible] is of the opinion that the project work was of definite benefit to the property and, therefore, we have certified that a discovery or development resulted from the work.

Sincerely yours,

C. O. Mittendorf

Administrator

Ching/lam 7-12-56
cc to: Desmet
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
Robert W. Beehan, Rm. 3608
T. R. Aillaegard, Rm. 5724
Field Team, Reg. I, [illegible] Dist. (2)
Contract Adm. & Audit Div. F. E. Johnson

Government's copy

AMENDED EXPLORATION PROJECT CONTRACT
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

AMENDMENT NO. 1 to AMENDED CONTRACT

It is agreed this 27th day of October, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Bradley Mining Company, hereinafter called the "Operator," that Amended Exploration Project Contract Idm-E173, Docket No. DMEA-1284, dated February 27, 1953, hereinafter called the "Amended Contract," is amended effective as of October 1, 1954, as follows:

1. In Article 3 of the Amended Contract, substitute "2 years and 9 months" for "2 years."

2. In Article 8 of the Amended Contract, substitute "$152,877.00" for "$131,526.00," and substitute "$203,836.00" for "$175,368.00."

3. Annex IV, attached hereto and made a part hereof, is substituted for Article 9 of the Amended Contract.

4. That part of the second sentence of Article 10 of the Amended Contract beginning with the word "Provided" is deleted.

5. (a) All the work described in Exhibit "A" of the "Amended Contract is designated as Phase I and all the costs set forth in Exhibit "A" of the Amended Contract are designated as "Estimated Costs of Phase I."

(b) Add a Phase II to Exhibit "A" of the Amended Contract under "Description of the Work," as follows:

PHASE II

The location of the Phase II work and its relation to the preceding work is indicated on the map (Exhibit C) attached hereto. The location, direction, and extent of all work under Phase II are subject to the approval of the Government. The work shall be done in two stages. If in the opinion of the Government the results of Stage I work warrant it and the Government approves it

in writing in advance, the work outlined in Stage II may be done.

Stage I

Drive an inclined raise from the existing adit level, a distance of 100 feet, to a proposed sublevel. The raise shall be timbered and have dimensions of 3½ feet by 7 feet in the clear.

Crosscut and drift on the proposed sublevel a distance of 300 feet, to test the width and extent of the mineralized zone indicated by previous diamond drilling. The drifts and crosscuts shall be timbered where necessary and shall be at least 5 feet by 7 feet in the clear.

Drill up to 500 feet of diamond drill holes to explore the walls of the sublevel drifts and crosscuts. The location, direction, and depth of these holes shall be dependent on the results of the preceding work. In the event less than 500 feet of holes are drilled under Stage I the balance may be drilled under Stage II.

Stage II

Drift, crosscut or raise an additional 400 feet on the sublevel to further explore the mineralized zone. The location, direction, and extent of this work shall be dependent on the results of the Stage I work.

(c) In Exhibit "A" under "Estimated Costs of the Project," add costs for Phase II as follows:

Estimated Costs of Phase II
(Agreed Unit Costs)

Stage I

400 feet of raising, drifting, and crosscutting @ $32.46/ft.	$12,984.00	
500 feet of diamond drilling @ $5.00/ft.	2,500.00	$15,484.00

Stage II

400 feet of raising, drifting, and crosscutting @ $32.46/ft.	$12,984.00
Total agreed unit costs for Phase II	$28,468.00

The Government will contribute to the costs of the items of work under Phase II on the basis of these agreed unit costs, as they accrue for units of work actually performed, in lieu of the actual costs set forth in Article 6 of the Amended Contract. These agreed unit costs include all costs of the work whatsoever, except that those items of equipment, materials, and supplies purchased under the Prior (Original) Contract and/or under the Amended Contract (here designated as Phase I) may be used by the Operator under Phase II, the cost or value thereof having been taken into consideration in arriving at the agreed unit costs for Phase II. Any items to the cost of which the Government has contributed and which remain after the completion or termination of the work under Phase II, shall be disposed of and accounted for as provided in the Amended Contract.

Summary of Estimated Costs of the Project

Estimated Costs under the Prior (Original) Contract	$ 97,368.00*	
Estimated Costs of the Amended Contract (here designated Phase I)	78,000.00*	
Estimated Costs of Phase II	28,468.00	
Estimated total cost of the project		$203,836.00*
Government's participation at 75%		$152,877.00*

* * * *

Executed in sextuplicate the day and year first above written.

BRADLEY MINING COMPANY

By John D. Bradley

THE UNITED STATES OF AMERICA

By O. M. Theodore

ADMINISTRATOR, DEFENSE MINERALS EXPLORATION ADMINISTRATION

AMENDED EXPLORATION PROJECT CONTRACT
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

ANNEX IV

The following provisions are in lieu of Article 9 :

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 the Operator has rendered the final report and final account, 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, for 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 value of the concentrates resulting from the production. If similar custom concentrates are being accepted by the Operator at the time, the concentrates shall be valued in accordance with the purchase contract most favorable to the seller then in effect for the purchase of similar concentrates. If similar custom concentrates are not being accepted by the Operator at the time, the concentrates shall be valued in accordance with the most favorable quotation obtainable for the sale of such concentrates to an outside smelter. In the latter case, if the concentrates are actually sold, transportation charges may be deducted from the value so determined for the purpose of computing royalties, if such charges are paid directly to a common carrier by the purchaser of the concentrates.

The Operator shall furnish the Government with copies of settlement sheets or equivalent computations showing the value of the concentrates produced. If the records of any production, whether 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.

* The word "land" refers to the land described in Article 2 of the Amended Contract.
‡ The period "thirteen years" is substituted for the period "ten years."

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 raw 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 ($1\frac{1}{2}$) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half ($\frac{1}{2}$) 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 ($1\frac{1}{2}$) percent; on an amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

f. 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.

g. 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.

h. 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 mining or production operations.

i. 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.

58694

Docket No. 1284

Commodity Antimony

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 173

Date of Contract ~~amendment~~ Feb. 27, 1953

Name and Address of Operator:

Bradley Mining Co.
425 Crocker Bldg.
San Francisco, California

Amount of Government participation ____ $ 152,677.00

Percent of Government participation 75 %

Region: IDW State: Idaho

Note: Please release $17,664.21. Contract terminated.

COPY O/S COLOR PLATE

E. L. Tallant
(Name)

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

Date Delivered to Bureau of Mines, Washington. 3/28/56

54458

Docket No. ~~DMEA - 1234~~

Commodity ~~Antimony~~

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 173

Date of Contract ~~or Amendment~~: Feb. 27, 1953

Name and Address of Operator:
Bradley Mining Co.
425 Crocker Bldg.,
San Francisco, California

Amount of Government participation ____ $ 152,877.00

Percent of Government participation 75 %

Region: 11 State: Idaho

Note: This document establishes the obligation shown above and cancels the previous obligation of $ 131,526.00

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

(Title)

Date Delivered to Bureau of Mines, Washington. 10/28/54

54458

Do[illegible]t No. [illegible]

Commodity Antimony

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 173

Date of ~~Contract~~ Amendment: February 27, 1953

Name and Address of Operator:

Bradley Mining Company
425 Crocker Bldg.,
San Francisco 4, Calif.

Amount of Government participation $ 131,526.00

Percent of Government participation 75 %

Region: II State: Idaho

This document cancels the previous obligation of $73,026.00 and establishes the amount shown above

(Name)

J. E. Chambers,
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. Feb. 27, 1953

13908

(*b*) The Government's payment in all cases will be based on actual, necessary costs (including contract unit prices) incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(*c*) No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes) or any other indirect costs, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

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

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

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account as provided in Article 12.

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 75 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $ 131,526.00, which is 75 percent of $ 175,368.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

(*b*) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

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

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

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

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

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

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

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

ARTICLE 11. *Title to and disposition of property.*—All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.* To the extent that costs are set forth in Exhibit "A" as "agreed unit costs," they are in lieu of the actual costs that would otherwise be allowable costs of the project as provided in Article 6(a) of the contract form.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

BRADLEY MINING COMPANY
(Operator)

By John D. Bradley

I, _____, certify that I am the secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ 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.

_____

[CORPORATE SEAL]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

U. S. GOVERNMENT PRINTING OFFICE 16—66328-1

MF-200
(June 1951)
(Revised Feb. 1952)

DOCKET No. DMEA 1284

COMMODITY Antimony

UNITED STATES OF AMERICA Government's Copy
DEPARTMENT OF THE INTERIOR IDM-E 183
DEFENSE MINERALS EXPLORATION ADMINISTRATION
AMENDED
EXPLORATION PROJECT CONTRACT [1]

IT IS AGREED this 27th day of February, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Bradley Mining Company, a corporation duly organized and existing under and by virtue of the laws of the State of California, whose address is 425 Crocker Building, San Francisco, California

hereinafter called the "Operator," as follows: and as set forth in Annex I and Annex II attached

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Idaho, County of Valley, described as follows: [3] set forth in Annex III and indicated on the map entitled "Bradley Mining Co. Map of Central Area Yellow Pine Property" attached hereto and made a part hereof and marked "Exhibit B"

the Operator represents and undertakes: [4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: 5% royalty on net smelter returns, payable to United Mercury Mines, Inc.

(*b*) ~~That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to lease is attached.~~

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, ~~within~~ has ~~days from the date of this contract shall~~ commenced work on a project of exploration for [5] antimony additional in or upon the described land; and shall bring the project to completion within a period of 2 years from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

ARTICLE 4. *Performance of the work.*—(*a*) *Operator's responsibility.* The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A," attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A," as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(*c*) *Government may inspect.*—The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. *Allowable costs of the project.*—(*a*) The costs of the project in which the Government will participate are limited to the following: and also the costs referred to in Article 13

(1) *Independent contracts.*—Payments to independent contractors under independent contracts listed in Exhibit "A." The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) *Operating materials and supplies.*—Necessary materials and supplies including items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A."

(4) *Operating equipment.*—Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A." Any items listed as owned and to be furnished by the Operator, and related [redacted] allowable depreciation, are allowable maximums.

(5) *Rehabilitation and repairs.*—Any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A." These items are allowable maximums.

(6) *New buildings, improvements, installations.*—Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A." All of these items are allowable maximums.

(7) *Miscellaneous.*—Repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance and payroll taxes.

(8) *Contingencies.*—Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A," as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

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

EXPLORATION PROJECT CONTRACT (AMENDED)
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

EXHIBIT "A"

Description of the Additional Work

The object of the additional work is to continue the present exploration of the Meadow Creek Fault Zone. The work is shown on Map Exhibit "B" entitled "Bradley Mining Co. Map of Central Area Yellow Pine Property", attached hereto and made a part hereof. It will consist of:

(1) Extending the present so-called "DMEA south drift" approximately 1500 feet in a southerly direction on the Zone, toward the Meadow Creek Mine for the purpose of exploring favorable structures indicated on the surface, so that ultimately this drift may be connected with the so-called "A" drift of the Meadow Creek Mine;

(2) Crosscutting from the afore-mentioned extended drift provided that the total length of all crosscutting and drifting shall not be in excess of 1500 feet, and

(3) Diamond Drilling 4000 feet to test favorable indications in the drift.

The drifts and crosscuts will be timbered wherever necessary, and will be at least 5 feet by 7 feet in the clear of timbers.

The diamond drill holes must be of a size necessary to obtain the required geological information.

The location, direction, and extent of all work is subject to the approval of the Government engineers.

Estimated Costs of the Project
(*Indicates allowable maximum)

Agreed Unit Costs

Diamond drilling 4000 feet @ $5.00/ft.	$20,000.00	
Drifting and crosscutting 1500 feet @ $32.46/ft.	48,690.00	$68,690.00

The Government will contribute to the costs of the above diamond drilling, drifting and crosscutting on the basis of these agreed unit costs per foot, as they accrue, for units of work actually performed, in lieu of actual costs. These agreed unit costs include all costs of the work, except the items estimated below, to the cost of which the Government will contribute on the basis of actual costs as specified in Article 6(a) of the contract form.

Work to the costs of which the Government will contribute on the basis of agreed, estimated unit costs may be performed by independent contractor without reference to the provisions relating to independent contracts and contractors in Articles 4(a) and (b) and 6(a)(1) of the contract form.

Estimated Actual Costs

(1) Independent contracts

None

(2) Labor, supervision, consultants

None

(3) Operating materials and supplies

None

(4) Operating Equipment

To be purchased

1 ventilating fan and motor 15 HP	$ 700.00	
2500 feet electric wire	4,250.00	$ 4,950.00

(5) Rehabilitation and repairs

None

(6) New buildings, improvements, installations

None

(7)	Miscellaneous			
	Assaying	$ 1,623.00	$ 1,623.00	
(8)	Contingencies		2,737.00	$ 9,310.00
	Total Estimated Cost of Additional Work			$78,000.00*

S U M M A R Y

Estimated Cost of Additional Work	$78,000.00*	
Estimated Cost of Work Under Prior Contract	97,368.00*	
Total Estimated Cost of Project		$175,368.00*
Government's Participation @ 75%		$131,526.00*

EXPLORATION PROJECT CONTRACT
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

ANNEX I

Materials and Supplies: For the purpose of determining the Government's interest in materials or supplies remaining upon any termination of the work, they shall be considered in groups or categories (such as pipe, or explosives, or rails, or drill steel), and if the original cost of the remaining unexpended portion of any such group or category exceeded $50, the Government shall have an interest therein as provided in Article 11 of the contract form.

Equities in Equipment: Unless expressly permitted by provisions in Exhibit "A", the operator shall not procure equipment or any other item under a rental-purchase agreement, an installment-purchase agreement, any agreement which creates or builds up an equity or interest in the thing procured which can be converted to legal title only by further payment or some other consideration, or any agreement other than for straight rental or cash purchase and delivery.

Preservation of Property: Until the final disposal of any equipment or other property in which the Government has an interest or equity, the operator shall preserve and protect same for the mutual best interests of the parties, any reasonable and necessary cost thereof to be treated as an allowable cost of the exploration work to which the Government will contribute.

EXPLORATION PROJECT CONTRACT
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

ANNEX II

WHEREAS, the parties to this amended agreement are also parties to contract Idm-E173, dated October 9, 1951, executed on Form MF-200 (June 1951), as heretofore amended, hereinafter called the Prior Contract; and

WHEREAS, the parties desire to add to the work provided for in the Prior Contract, and to restate their agreement;

NOW THEREFORE, it is mutually agreed that: (1) Effective as of March 1, 1953, the Prior Contract is amended and superseded by this amended contract which shall control the Government's claim and lien for a percentage royalty, and in which all the rights and obligations of both parties are merged except that vouchers and claims for the Government's contribution for the work described in and performed under the Prior Contract and payment thereof shall be as therein provided; (2) The operator hereby releases and agrees to save harmless the Government from all claims and demands arising out of the Prior Contract except as otherwise herein provided; and (3) The additional work to be performed and the costs thereof and the costs of the entire project and the Government's participation therein, shall be as stated in Exhibit "A" attached hereto and made a part hereof.

EXPLORATION PROJECT CONTRACT
BRADLEY MINING COMPANY
DOCKET NO. DMEA-1284

ANNEX III

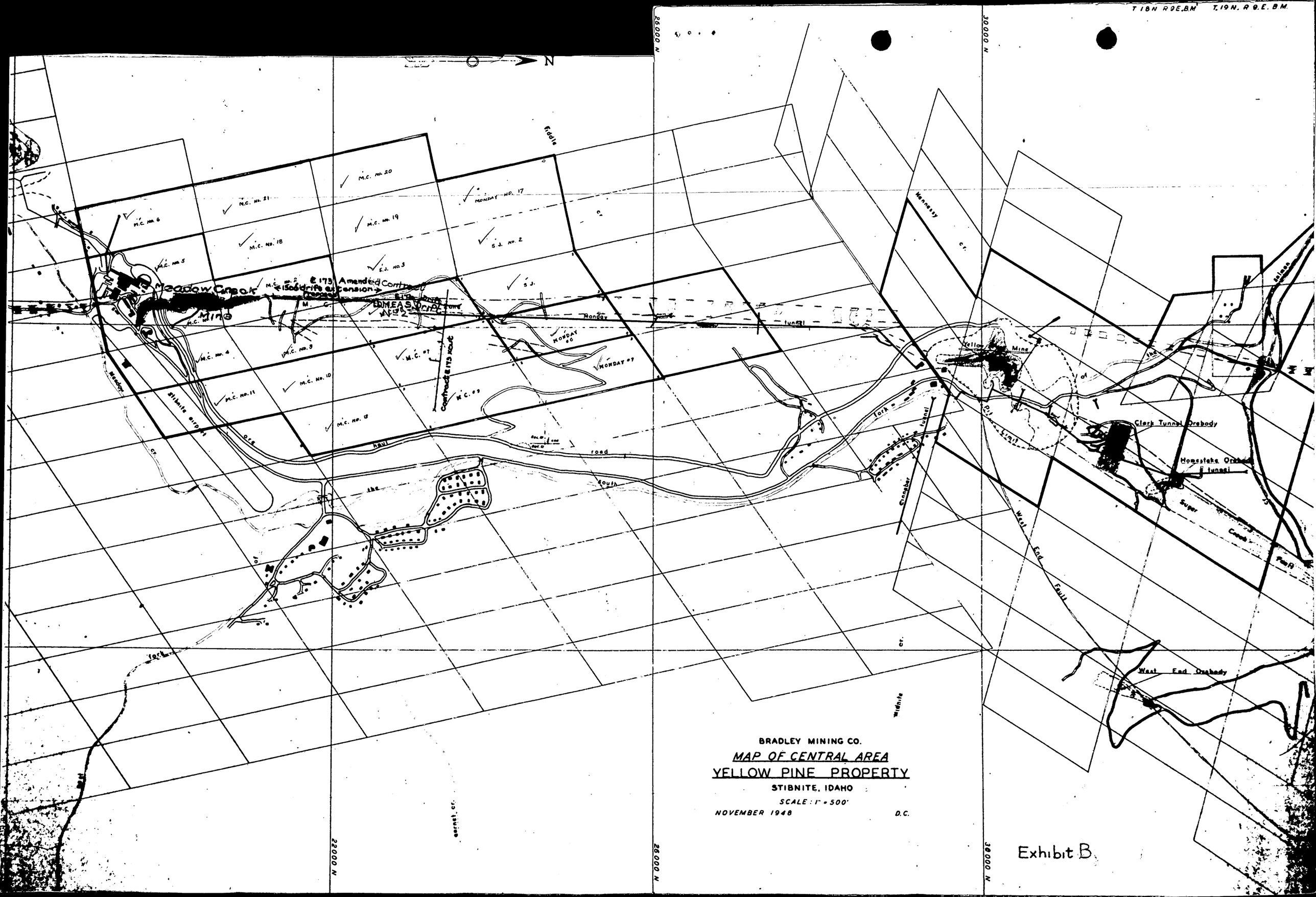
The following patented and unpatented mining claims are located in Sections 10, 11, 14, and 15 in Township 18 N., R. 9 E., Boise Meridian.

Patented Claims

Name	Patent No.
Meadow Creek No. 1	974550
" " " 2	"
" " " 3	"
" " " 4	"
" " " 5	"
Monday No. 6	1120542

Unpatented Claims

Name	Book	Page
Meadow Creek No. 6	6	228
" " " 7	"	229
" " " 8	"	230
" " " 9	"	272
" " " 10	"	231
" " " 11	"	232
" " " 13	"	273
" " " 18	"	235
" " " 19	"	236
" " " 20	10	478
" " " 21	"	479
S. J.	6	207
S. J. No. 2	"	208
S. J. No. 3	"	209
Monday No. 7	"	215
Monday No. 17	10	492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Kennedy
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M.C. No. 6
M.C. No. 21
M.C. No. 20
M.C. No. 18
M.C. No. 19
M.C. No. 5
S.J. No. 3
S.J. No. 2
S.J.
Meadow Creek
Mine
M.C. No. 2
E 173 Amended Contract
150' drift extension
E 173 Drift
EDM EAS Drift
M.C. No. 1
Monday
tunnel
M.C. No. 4
M.C. No. 9
M.C. No. 7
M.C. No. 10
M.C. No. 11
M.C. No. 13
M.C. No. 8
Contract E 173 Adit
MONDAY #0
MONDAY #7
Stibnite airport
Monday
cr.
old
haul
road
the
South
fork
Yellow Pine Mine
Fork
tunnel
Cougar
West End Fault
Clerk Tunnel Orebody
Homestake Orebody & tunnel
Super
Creek
West End Orebody
Wildnite
garnet cr.
BRADLEY MINING CO.
MAP OF CENTRAL AREA
YELLOW PINE PROPERTY
STIBNITE, IDAHO
SCALE: 1" = 500'
NOVEMBER 1948
D.C.
Exhibit B

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

FEB 27 1953

AIR MAIL

Mr. A. L. Weisenborn
Executive Officer
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA-1284 (Antimony)
Contract No. Ida-1173 (Amended Contract)
Yellow Pine Mine
Valley County, Idaho

Dear Mr. Weisenborn:

Enclosed are the original and five copies of an amended contract which have been signed for the Government. When the original and all copies have been signed by the operator they are to be distributed in accordance with the usual practice.

The amendment has been written in accordance with the recommendations of the Field Team of January 7, 1953, together with a subsequent report dated February 6, and the carefully revised cost estimate of February 3, by Stephen [illegible].

The revisions of policy have been accepted and, since the contract has been based on unit costs, instead of the actual costs as presented by the Hadley Company, it has been possible to reduce the cost of accounting and engineering from [illegible] to the very efficient cost of accounting [illegible] in performing this contract.

The item of contingency and [illegible] 12% has been added though it is available only for equipment to be purchased account of carrying.

The original contract Ida-1173 was written on the Bureau form [illegible]-20 (June 1951). In conformance with current procedure, this amended contract is written on Form [illegible]-20 (February 1952).

The Hadley Company is being promptly advised as to the status of this contract in order to prevent any lag in their operations.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Concurred:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

FoSchmidt/jem 2/27/53

cc to: Adm. Reading File Docket
Messrs. AMenick-3061
AMKinkel-4234 GM
Opr. Com. Ellis Schmidt
Field Team, Region II
Mr. Chambers

Docket No. DMEA 1284
(antimony)

AMENDMENT NO. 7

GOVERNMENT'S COPY

It is agreed this 30th day of January 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and Bradley Mining Co., San Francisco, Calif.

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 173 of October 9 1951 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be March 1 1952.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

BRADLEY MINING COMPANY
(Operator)

By James P. Bradley
Vice Pres.

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

BRADLEY MINING COMPANY
Exploration Project Contract Idm-E173
Docket No. DMEA 1284 (antimony)

AMENDMENT NO. 7

Exhibit "F"

Changes and modifications

Exhibit "A" of the contract as amended is further amended as follows:

1. In Exhibit "F" of Amendment No. 1, page 2, item No. 2, change the last sentence which refers to use of a caterpillar tractor, to read as follows:

" *To be used for waste disposal. To be charged at the same flat rate as for use on other, non-contract operations for actual time used on the project. This rate shall not exceed $8.00 per hour and shall include depreciation and all other costs of operation of the tractor, including labor and operating supplies. Total charged for any one month may not exceed $100.00."

BRADLEY MINING COMPANY
Exploration Project Contract Idm-E173
Docket No. DMEA 1284 (antimony)

Justification of Amendment No. 7

This amendment was prepared to allow the Operator to charge a flat rate for a tractor and dozer used only infrequently on the project for waste disposal. The rate of $8.00 per hour, fully operated, is considered equitable. The Operator charges the tractor to the other phases of his operation at Stibnite at this same rate, which he states "is designed to include all tractor operating expenses including repairs, fuel, and operator but excluding any depreciation charges or profit." The amendment eliminates the very difficult bookkeeping job required to determine the actual prorata charge as the tractor is used on a great many jobs each month.

T. E. Howard

GOVERNMENT COPY

Docket No. 1284X
(Antimony)

AMENDMENT NO. 6

It is agreed this 1st day of December 195 2, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and Bradley Mining Co., 425 Crocker Building, San Francisco, Calif.

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 173 of Oct. 9, 195 1 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be July 10, 195 2.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

BRADLEY MINING CO.
(Operator)

By John D. Bradley

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

BRADLEY MINING CO. (YELLOW PINE)
EXPLORATION PROJECT CONTRACT Idm-E173
DOCKET NO. DMEA 1284X (ANTIMONY)

Amendment No. 6

Exhibit "F"

Changes and Modifications

In Amendment No. 1 of the contract under applicable classifications, add:

	Straight time
Diamond driller at	$1.775/hr.

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

1201 North Division St.
Spokane 2, Washington

December 12, 1952

JUSTIFICATION

MEMORANDUM

To: DMEA Field Team, Region II

From: H. T. Reno, Mining Engineer, Bureau of Mines

Subject: Proposed Amendment No. 6, Bradley Mining Co. (Yellow Pine), Contract Idm-E173, Docket No. DMEA 1284X (antimony)

Subject amendment will allow the Operator to hire a diamond driller for the diamond drilling specified in amendment No. 2 of the contract. Drilling labor was over-looked in amendment No. 1 which lists the labor classifications that may be employed on the project.

H. T. Reno

H. T. Reno

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
HTR/vf

Docket DMEA-1284X
(Antimony)

AMENDMENT NO. 5

It is agreed this 31st day of October 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and

Bradley Mining Co., a corporation

425 Crocker Building, San Francisco 4, California

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 173 of October 9, 1952 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be October 10, 1952.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

BRADLEY MINING CO.
(Operator)

By John D. Bradley

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

Bradley Mining Company
Exploration Project Contract, Idm-E173
Amendment No. 5

Changes and Modifications

Exhibit "E" Amendment 2, is deleted in its entirety and the following is substituted:

In Exhibit "A" - Exploration Project, insert the following:

Approximately 2500 feet of diamond drilling will be done from the DMA crosscut and related workings. The holes will probe possible mineralized areas in the vicinity of the Meadow Creek Fault, and their locations shall be decided upon between the Bradley Mining Company and the DMEA Field Team. Cost of the diamond drilling is to be taken from funds allowable for the 1500 feet of drifting as specified in the contract.

Estimated costs of the diamond drilling

2500 feet of diamond drilling at $5.00 per foot $12,500.00

Docket DMA-1284X (Antimony)
Bradley Mining Company
Exploration Project Contract Idm-E173

Justification for Amendment No. 5

Because the ground in the vicinity of the Meadow Creek fault zone does not stand very well, much of the testing which had been planned for by drifting and crosscutting can be advantageously done by diamond drilling. This includes the probing for possible structures which may come into the Meadow Creek fault zone.

GOVERNMENT COPY

Docket No. DMEA 1284X
(antimony)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1952

AMENDMENT NO. 4

It is agreed this 25th day of November 195 2, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and Bradley Mining Company, 425 Crocker Building, San Francisco, California.

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 173 of October 9, 195 1 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be August 1, 195 52.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

BRADLEY MINING COMPANY
(Operator)

By James P. Bradley
Vice Pres.

THE UNITED STATES OF AMERICA

By Thor H. Kiilsgaard
~~MMMMMMMMMMMMMMMM~~, Exec. Officer
DMEA Field Team, Region II
Thor H. Kiilsgaard, Acting

BRADLEY MINING COMPANY
Docket No. DMEA 1284X (Antimony)
Contract Idm-E173

Amendment No. 4

Exhibit "F"

Changes and modifications

1. In Exhibit "A" of the contract, page 2, item (3), delete the paragraph beginning "The maximum monthly cost allowance . . . ." and substitute the following:

"The estimated maximum monthly depreciation allowance for each unit used on the project is estimated on the basis of total depreciation after 60 months full use. Depreciation may be allowed proportionately for the number of days each unit is actually used for the benefit of the project, but to a maximum of $6,720."

BRADLEY MINING COMPANY
Docket No. DMEA 1284X (Antimony)
Contract Idm-E173

Amendment No. 4

Justification

Subject amendment will remove the restriction on the total amount allowed for equipment depreciation in the contract. It will not increase the total amount of the contract.

The project has progressed satisfactorily at a cost to date, including depreciation allowance, of $26.25 per foot of crosscut and drift. As this cost is about average for similar work on other contracts it is evident that the amount allowed in the contract for equipment depreciation is too low. In fairness to the Operator it should be increased.

H. T. Reno

GOVERNMENT'S COPY

(Amendment to Change Starting and Completion Dates)

AMENDMENT NO. 3

It is agreed this 15 day of July 195 2, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Bradley Mining Company, a corporation, 425 Crocker Building, San Francisco 4, California

each acting in consideration of the agreement to the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E173 of October 9, 195 1 between the parties hereto be modified and amended to change the starting date from --- (No. of day) to within --- (No. of days) of the date of the contract and the completion period from 15 (No. of months) to 24 (No. of months) from the date of the contract. The effective date of this amendment shall be July 15, 195 2.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

Bradley Mining Co
(Operator)
By John L. Bradley Exj V.P.

The United States of America
By A. E. Weissenborn
A.E.Weissenborn, Exec. Officer
DMEA Field Team, Region II

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

So. 157 Howard Street
Spokane 4, Washington

July 16, 1952

Memorandum

To: F. E. Johnson, Chairman, Operating Committee, DMEA

From: A. E. Weissenborn, Exec. Officer, DMEA Field Team, Region II

Subject: Amendments 2 and 3 to Contract Idm-E173, Bradley Mining Co., Docket DMA-1284x, Antimony; approval of additional work provided for in same contract

Enclosed are the original and two copies of Amendments 2 and 3 to the subject contract.

Amendment 2 provides two diamond drill holes, each approximately 200 feet long, one on each side of the crosscut. The crosscut has now reached the Meadow Creek fault zone, and has encountered heavy ground which has caved. The holes will penetrate through the Meadow Creek fault zone. If the fault zone at this point is sufficiently mineralized, the crosscut will be continued to explore the fault zone; if it is barren, it will not be necessary to penetrate through the fault at this point and the expense of driving through heavy ground will be avoided.

Amendment 3 is necessary because of the impending shutdown of the Yellow Pine property due to the lack of a market for antimony. The mine is already shut down. The mill will close about August 1 and the smelter will close operations about September 1, unless there is a very sudden improvement in the antimony market. With the property closed, the work will not be kept open during the winter and it would be utterly impracticable to continue the exploration. This will necessitate a shutdown of 6 to 7 months; because of delays in shutting down and starting up, and because of possible delays due to heavy ground near the Meadow Creek fault, a 9 month's extension has been given. The project can be completed within the two years.

Also attached are copies of a letter giving formal approval of work specified in the contract, but requiring Field Team approval. The proposed work was discussed by J. D. Bradley, C. D. Hulin, M. E. Volin, and A. E. Weissenborn at the company offices at Stibnite, Idaho, and agreement was reached that it was justified by the results of work accomplished to date.

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures 2 (in trip.)
cc: USBM, Spokane & Albany

Note: The enclosures will follow as soon as they are returned from the operator.

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

So. 157 Howard Street
Spokane 4, Washington

July 16, 1952

Mr. John D. Bradley
Bradley Mining Company
Bradley Field
Boise, Idaho

Re: Contract Idm-E173, Bradley Mining Company
Valley County, Idaho
Docket No. DMA-1284x, Antimony

Dear Mr. Bradley:

Contract Idm-E173 states that "The project consists of driving a crosscut approximately 1,500 feet long * * * . The best veins and zones of mineralization exposed by the crosscut (are) to be explored by an over-all maximum of 1,500 feet of drift. Location and extent of the individual drifts (is) to be mutually agreeable to operator and the Government."

At the time of the visit of Mr. Volin and myself to the DMA adit on July 7, the adit had been advanced a distance of about 1,530 feet from the portal and had reached what is presumably the Meadow Creek fault. Several veins or mineralized zones had been cut by the adit in the distance.

At a conference between yourself, Mr. C. D. Hulin, Mr. J. A. Mecia and myself, it was agreed that the following work should be done as the next stage of the contract.

1. Explore the "Tungsten Zone" with a drift approximately 200 feet long. The drift should start from a point about 118 feet west of survey station 308 and should be driven in a southerly direction following the structure. The full width of the tungsten zone should be crosscut in at least one appropriate place and a second crosscut may be driven if this seems desirable.

2. Drift about 50 feet in a southerly direction in the "Antimony Zone" from about station 311.

3. From about station 314, drive 50 feet in a southerly direction and 200 feet in a northerly direction in the broken zone east of the Meadow

Creek fault to test an intersection with a dike structure and with a northeast-striking structure known to contain antimony on the surface.

This letter will constitute formal approval of the above-mentioned work, provided that nothing in this approval shall be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any items of allowable cost which are expressly designated "Allowable Maximum".

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMSA
Field Team, Region II

cc: DMSA (3)
USBM, Spokane (2)
USBM, Albany

AEW/bh

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
1201 North Division Street
Spokane 2, Washington

July 21, 1952

Memorandum:

To: A. E. Weissenborn, Exec. Officer, DMA Field Team, Region II

From: J. E. Wolin, Leader, DMA Field Team, Region II

Subject: Inspection of Bradley Mining Co. tunnel, [illegible], Contract Ida-[illegible], Valley County, Idaho (Meadow)

This inspection was made on July 7 with A. E. Weissenborn of the Geological Survey and the Bradley Mining Co. representatives, J. D. Bradley and C. D. Hulin. The adit crosscut was entered, and an office study was made of the maps. It was necessary for me to leave at 4:00 p.m. by Bradley plane to Boise for other commitments.

The adit has been advanced 1,004 feet at date, cutting into the Meadow Creek fault zone. A rhyolite dike on the footwall has been penetrated, and a lamprophyre dike exposed. This latter dike, recognized in the fault zone on the surface, places the position of the fault; here intensive alteration and mineralization is expected on the far wall of this dike.

The coincidence of broken rock conditions and a moderate flow of water in the fault zone, along with a long holiday over the 4th of July week-end had resulted in a cave at the face. Conditions actually were not as bad as they looked at the time of inspection, and awareness on the part of the Operator would have saved a lot of trouble and money. Without immediate attention, however, the caving condition had grown worse and at inspection date could be caught up only by expensive spiling. Prior testing of the fault zone by two diamond drill holes, one on either side, was decided to be the best course of action.

In reaching the objective Meadow Creek fault, three mineralized structures were cut. The first, approximately 340 feet from portal, is a narrow fault zone N45E, 60° NW, showing fine scheelite in the gouge. The second, starting at about 600 feet is a series of fractures and faults, one of which is quite prominent over a distance of 50 feet and averaging N30E, 40 to 60 NW, showing disseminated to coarse, scattered scheelite associated with the fractures. The third, about 850 feet in,

shows scattered stibnite, mostly in fractures, over a distance of 50 feet in a broken zone. Although none of the showings approaches the classification of ore, the second and third are considered encouraging for further investigation, and drifting is recommended on these structures. The near wall (footwall) of the Meadow Creek fault zone also is considered a likely line to follow for branching structures that might localize ore shoots.

M. E. Volin

cc: WASH. —4
USGS —1
Albany -1
Spokane BM -2

GOVERNMENT'S COPY

AMENDMENT NO. 2

It is agreed this 10th day of July 1952, between the the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Bradley Mining Company a corporation, 425 Crocker Building, San Francisco 4, California

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E173 of Oct. 9 1952 between the parties hereto be modified and amended as described in Exhibit "F", attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be July 10 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

Bradley Mining Co
(Operator)
By John L. Bradley Exec. V.P.

The United States of America
By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

Bradley Mining Company
Exploration Project Contract, Idm-E173
Amendment No. 2

Exhibit "F"

Changes and Modifications

In Exhibit "A" - Exploration Project, insert the following:

From a convenient point about 1,450 feet from the portal of the DMA crosscut two 200-foot diamond drill holes are to be drilled, one on each side of the crosscut. These holes will be drilled about N. 45° W., and S. 45° W., respectively, and will be started with a core size no smaller than AX. The holes will probe possible mineralized areas on the west side of the Meadow Creek fault. Cost of the diamond drilling is to be taken from funds allowable for the 1,500 feet of drifting as specified in the contract.

Estimated costs of the diamond drilling

400 feet of diamond drilling at $5.00 per foot	$2,000.00

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 6 1953

1201 N. Division St.
Spokane 2, Washington
November 5, 1953

Memorandum

To: DMEA Auditors, Region II

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

Subject: Docket No. DMEA 1284 (Antimony), Contract No. Idm-2173, Bradley Mining Co., Yellow Pine Mine, Valley County, Idaho; clarification and revision of Amendment No. 1

Upon reviewing Amendment No. 1 it has been brought out that Item 1 under Changes and Modifications, as follows, was made effective March 1, 1952:

"1. In Exhibit "A" (second paragraph) of the contract, under "(5) Supplies, track, pipe, repairs and utilities" add the category "Miscellaneous surface work" so as to make the item read "(5) Supplies, track, pipe, repairs, utilities, and miscellaneous surface work . . . . . $36,392.00."

The cost of miscellaneous surface work is to include cost of labor by electricians, mechanics, carpenters, truck drivers, or other employees who may at times work on the project. All applicable job classifications are listed below:

. . . . . .

Allowable labor costs for miscellaneous surface work are to include the above classifications at the specified hourly straight time rates plus legal overtime, payroll taxes and compensation insurance.

Miscellaneous surface work is also to include Bradley Mining Co. shop time charged at the flat rate of $3.00 per hour, this rate to include the cost of shop labor, supervision, equipment, and utilities."

It was the intention of the Field Team that Item 1 was to have been a separate amendment with the effective date retroactive to the initial date of the contract, October 9, 1951. Items 2 and 3 should have been included in another amendment, as the effective date for these items was meant to be March 1, 1952 as shown for Amendment No. 1. In the present wording of Amendment No. 1, all of the items are effective March 1, 1952.

This memorandum is to advise you that Item 1 shall be considered effective as of October 9, 1951, and that the remaining Items 2 and 3 shall be effective as of March 1, 1952.

M. E. Volin

cc: DMEA, Wash. (2)
Contr. Admin. & Audit Div.
Certifying Officer
USGS (2)

Dmea-1284
Antimony

AMENDMENT NO. 1

It is agreed this 8th day of April 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Bradley Mining Company, a corporation, 425 Crocker Building, San Francisco 4, California

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E173 of October 9 1951 between the parties hereto be modified and amended as described in Exhibit "F", attached hereto, which, with any maps or drawings attached therto, is made a part of this aggrement. The effective date of this amendment shall be March 1 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2653 by the Acting Secretary of the Interior.

This amendment shall not be constued to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Executed in sextuplicate the day and year first above written.

BRADLEY MINING COMPANY
(Operator)

The United States of America

By James P. Bradley

By A. E. Weissenborn

A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

BRADLEY MINING CO. - DOCKET 1284X
Exploration Project Contract Idm-E173

Amendment No. 1

EXHIBIT "F"

Changes and modifications

1. In Exhibit "A" (second paragraph) of the contract, under "(5) Supplies, track, pipe, repairs and utilities" add the category "miscellaneous surface work" so as to make the item read "(5) Supplies, track, pipe, repairs, utilities, and miscellaneous surface work . . . . . $36,392.00."

   The cost of miscellaneous surface work is to include cost of labor by electricians, mechanics, carpenters, truck drivers, or other employees who may at times work on the project. All applicable job classifications are listed below:

	Straight Time Hourly Rate
Construction Foreman	$1.97
Electrical Foreman	1.97
Mine Foreman	1.97
Mine Shops Foreman	1.97
Machine Shop Foreman	1.97
1st Powderman	1.775
1st Equipment Mechanic	1.775
Tire Repairman	1.775
1st Welder	1.775
Tractor Operator	1.71
Churn Driller	1.645
Wagon Driller	1.645
Jackhammer Man	1.645
Truck Driver (15 ton and over)	1.645
2nd Equipment Mechanic	1.645
2nd Welder	1.645
Drill Sharpener	1.645
Equipment Serviceman	1.645
Truck Driver (5 to 15 ton)	1.58
2nd Powderman	1.58
Drill Helper	1.515
Patrol Operator	1.515
Truck Driver, Utility	1.45
Drill Sharpener Helper	1.45
Craft Helper	1.385
Laborer	1.32
1st Carpenter	1.775
1st Painter	1.775
1st Electrician	1.775
1st Machinist	1.775
1st Plumber	1.775
1st Maintenance Mechanic	1.775

BRADLEY MINING CO. - DOCKET 1284X
Exploration Project Contract Idm-E173

Amendment No. 1

EXHIBIT "F"

	Straight Time Hourly Rate
2nd Carpenter	$1.645
2nd Electrician	1.645
2nd Painter	1.645
2nd Maintenance Mechanic	1.645
2nd Machinist	1.58
2nd Plumber	1.58

Allowable labor costs for miscellaneous surface work are to include the above classifications at the specified hourly straight time rates plus legal overtime, payroll taxes and compensation insurance.

Miscellaneous surface work is also to include Bradley Mining Co. shop time charged at the flat rate of $3.00 per hour, this rate to include the cost of shop labor, supervision, equipment, and utilities.

2. In Exhibit "A" of the contract, under "(3) the operator is to furnish the following equipment for use on the project" delete:

"1 Koering Dumptor Truck	$12,000.00	$200.00"

and add the following items:

Unit	Value	Monthly Use Allowance
1 Pickup Truck	$ 2,000.00	$ 33.33
1 Caterpillar Tractor*	—	100.00

*To be used for waste disposal. Monthly use allowance prorated for actual time on project, not to exceed $100.00 per month.

3. In Exhibit "A" of the contract, under "(4) Labor and supervision for the underground work——" delete the entire provision and substitute the following:

"Labor and supervision for the underground work, excluding item (1) additional facilities which includes labor, is listed as follows:

BRADLEY MINING CO. - DOCKET 1284X
Exploration Project Contract Idm-E173

Amendment No. 1

EXHIBIT "F"

	Straight Time Hourly Rate
Underground miner	$1.71
Timber framer	1.71
1st Motorman	1.71
2nd Motorman	1.515
Miner's helper	1.515
Supervisor	1.97

Allowable labor costs are to include the above classifications at the specified straight time rates plus legal overtime, payroll taxes, and compensation insurance. There shall be no restrictions as to the number of underground employees who may work on the project, nor shall there be any limit to the number of employees working under any particular job classification as listed above.

Engineering and accounting services not to exceed $300.00 per month are allowable as costs of this project.

The total allowable labor, supervision, engineering, and accounting costs for the project are $40,041.00.

MF-200
(June 1951)

Docket No. DMA 1284X
Commodity Antimony
Idm-E173

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

NOV 3 1951

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 9th day of October, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Bradley Mining Company, a corporation
425 Crocker Building
San Francisco 4, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Idaho, County of Valley described as follows: [3] Meadow Creek #7, unpatented; Meadow Creek #8, patented; Meadow Creek #9, unpatented; Monday #6, patented; S. J., unpatented; all being lode mining claims situated in Section 10 and Section 11, T18N., R9E., Boise Meridian.

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: a mortgage lien to the extent of 5% perpetual royalty to United Mercury Mines, Inc. Guaranty executed by Bradley Mining Company in lieu of subordination is attached.

(*b*) ~~That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.~~

3. *Exploration project.* The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for [5] antimony ore; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 15 months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $73,026.00, which is 75 percent of the agreed estimated total cost of this project, $97,368.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

Bradley Mining Company, Inc.
(Operator)

By John D. Bradley
Exec V. P.

THE UNITED STATES OF AMERICA

By C O Mittendorf
Director, Production Expansion Division
Defense Minerals Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

EXHIBIT A - Exploration Project

The Project consists of driving a crosscut approximately 1500 feet long at an elevation of 6560 feet and the location shown on attached map to cut a zone of mineralization indicated by surface work 600 to 700 feet higher in elevation. The best veins and zones of mineralization exposed by the crosscut to be explored by an overall maximum of 1500 feet of drift. Location and extent of the individual drifts to be mutually agreeable to the Operator and the Government.

Estimated costs of the project are as follows:

(1)	Additional facilities	$ 7,000
(2)	Equipment to be purchased	9,735
(3)	Allowance for equipment furnished by Operator	4,200
(4)	Labor and supervision for 3000 feet of drift and crosscut	40,041
(5)	Supplies, track, pipe, repairs and utilities	36,392
	Total	$97,368

(1) Additional facilities to be constructed with allowable cost shown to include all labor, materials, and engineering cost of erected facility.

(a)	Combination framing shed, compressor house, dry house and tool house	$3,500
(b)	Surface waste trestle and snow shed over track	2,000
(c)	Water system for dry house and drilling supply including; pump, pipe, heater, pressure and storage tanks and installation.	1,500
	Total	$7,000

(2) Equipment to be purchased consists of the following items:

1-Battery and charger for Titan AX Trammer	$6,300
2- J-50 drills and jacklegs	1,120
10- Z-20 "Card" mine cars	2,315
Total	$9,735

(3) The operator is to furnish the following equipment for use on the project:

Unit	Value	Monthly Use Allowance
1-600 cfm IR Gyro-Flow Compressor	$14,500	$241.67
1-Eimco 12B Shovel loader	3,100	51.67
1-Mancha Titan AX Trammer	6,120	102.00
2-Air Receivers	950	15.83
1-IR Model EU Tugger	778	12.97
2-Skilsaws	360	6.00
1-Cutoff Saw	350	5.83
1-Koering Dumptor Truck	12,000	200,00

The maximum monthly cost allowance for use on the project is determined on the basis of 60 month depreciation of value for each unit with the allowable monthly amount chargeable only for the months actually used for the benefit of the project and to a maximum of $4200.

(4) Labor and supervision for the underground work, excluding item (1) additional facilities which includes labor, is listed as follows:

6 Miners @ $14.73/day inc. overtime and taxes	$ 88.38
2 Motormen @ $14.24/day inc. overtime and taxes	28.48
1 Supervisor @ $16.61/day inc. overtime and taxes	16.61
Total per day	$133.47

Cost for 3000 feet of drift and crosscut @ 10 feet per day =

300 days @ $133.47 = $40,041.00

No additional buildings, installations, fixtures, equipment or improvements to be purchased, rented, or rehabilitated, except as listed above, are to be allowed as costs under this contract.

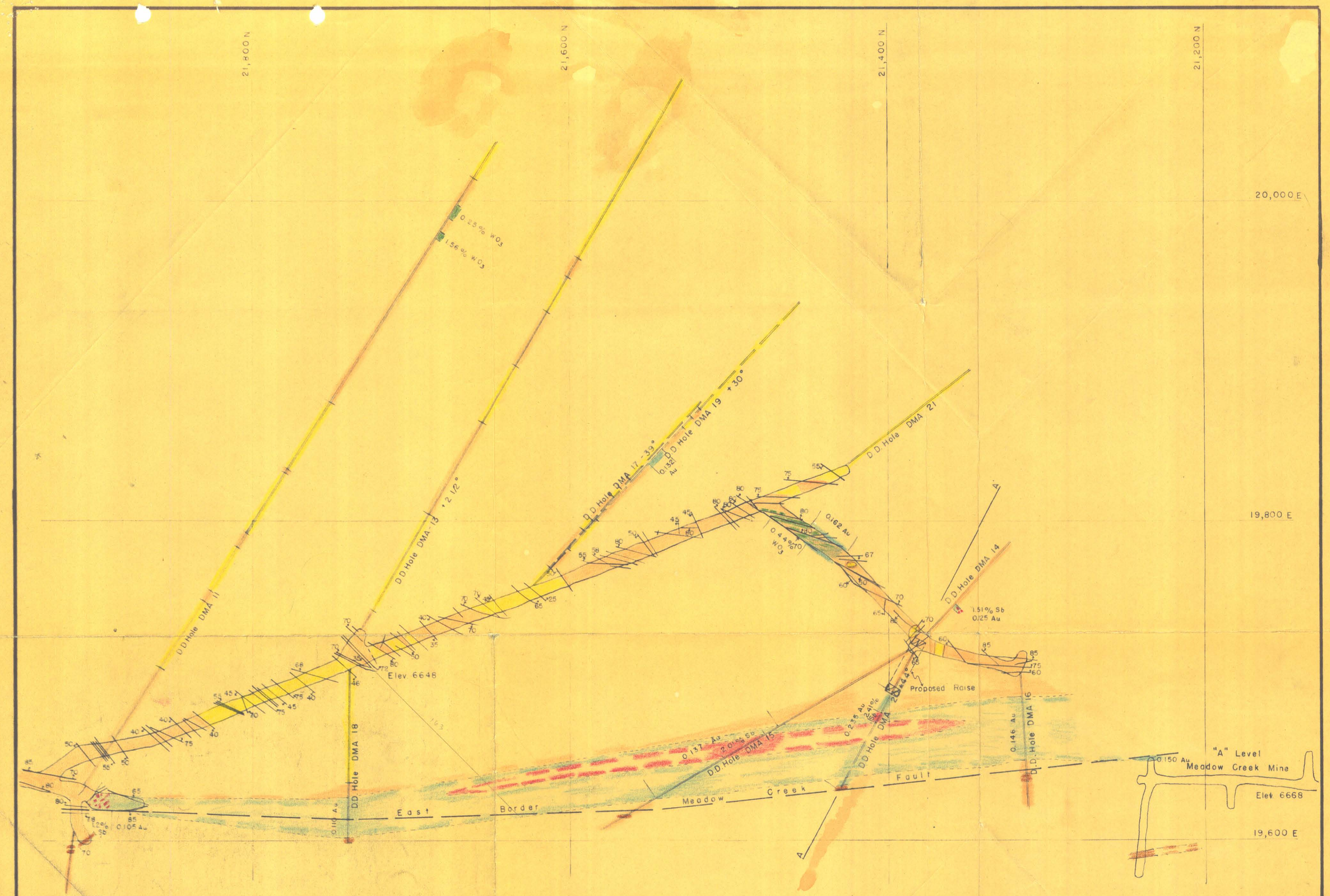
GUARANTY

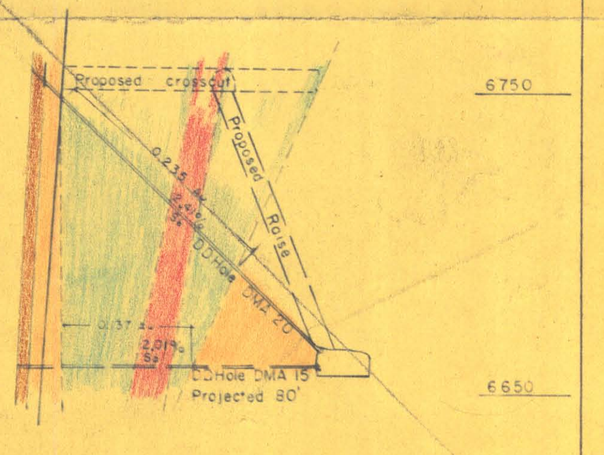
In consideration of the waiver by the United States of America of the requirement of a subordination agreement as set forth in paragraph 2 (a) of the attached exploration project contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said contract, upon any and all ore discovered or developed as a result of said contract, which is mined within ten years from the date of said contract, whether or not the undersigned has any interest in the property covered by the said contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of America are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should the undersigned, prior to the accrual of any obligation to pay under this guaranty, furnish to the United States a subordination agreement required by paragraph 2 (a) of said contract, this covenant shall thereupon become fully satisfied and of no further force or effect.

DATED this 25 day of September, 1951.

BRADLEY MINING CO.

By John D. Bradley
Executive Vice President





Section A-A'

Explanation

- Fresh monzonite
- Altered monzonite
- Lamprophyre dike
- Gold mineralization
- Tungsten mineralization
- Antimony mineralization
- Fault

Exhibit C

GEOLOGIC MAP AND SECTION SOUTH END OF DMA TUNNEL BRADLEY MINING COMPANY STIBNITE, IDAHO

Scale

0 10 20 30 40 50 100 150 200 feet

Geology by K. G. Wallace
August 1954