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

September 4, 1963

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

Bradley Mining Company
323 Crocker Bldg.
San Francisco 4, California

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

F. M. Murphy

F. M. Murphy, Acting Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 16 1963

DATE		
9/17		800
		120
	Murphy	500
		200

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since October 5, 1962, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐ ?

   All unpatented claims (subject to contract) have been quit-claimed to United Mercury Mines Company, Boise, Idaho

   All patented claims (subject to contract) remain in the ownership of Bradley Mining Co.

2. Since October 5, 1962, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name James P. Bradley Title President

Address 323 Crocker Building San Francisco 4, Calif. Date September 10, 1963

4511

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

September 21, 1962

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

Bradley Mining Company
1022 Crocker Building
San Francisco 4, California

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 9 1962

DATE		CODE
10/9		800
10/9		100
10/9		110
"		500
		220

MME Form 63
Revised 3-62

DMEA-1284
Idm-E173

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 8, 1959, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 8, 1959, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name G. Ollston Title Secretary

Address 323 Crocker Bldg Date Oct 5, 1961

San Francisco 4, Calif

4511

Excerpt from Region I
list received 2/2/59

Inactive Projects

SEMI-ANNUAL REPORT ON CERTIFIED PROJECTS

July 1 to December 31, 1958

Inactive Since Last Report

Commodity	Contract	Docket	Operator
Antimony	Idm-E173	DMEA-1284	Bradley Mining Company Yellow Pine Mine Valley County, Idaho
	Idm-E258	DMEA-2193	G.O.P. Antimony, Inc. Bales Antimony Omanogan County, Washington
	Idm-E389	DMEA-2559	Earl R. Pilgrim Stampede Antimony Mine Kantisnna Mining & Recording Dist., Alaska
	Idm-E400	DMEA-2564	Tillicum Mining Company Caamano Point Antimony Prospect Ketchikan Mining District, Alaska
Monazite	Idm-E118	DMEA-930	Ruby Meadows Mining Company Ruby Meadows Placer Idaho County, Idaho
	Idm-E350	DMEA-2264	Cosumnes Gold Dredging Co. White Hawk Basin Placer Valley County, Idaho
	Idm-E584	DMEA-2781	Verlon W. Vandeventer Hull's Big Creek Property Valley County, Idaho
Tin	Idm-E55	DMEA-842	Zenda Gold Mining Company Cape Mountain Placer District Second Judicial District, Alaska

Excerpt from Region 1
List received 2/2/55

Inactive Projects

SEMI-ANNUAL REPORT ON OPERATING PROJECTS

July 1 to December 31, 1954

Inactive Since Last Report

Commodity	Contract	Docket	Operator
Antimony	Idm-517J	DMEA-1284	Beasley Mining Company Yellow Pine Mine Valley County, Idaho
	Idm-E258	DMEA-2193	G.O.P. Antimony, Inc. Sales Antimony Okanogan County, Washington
	Idm-E389	DMEA-2559	Earl E. Pilgrim Stampede Antimony Mine Kantishna Mining & Reducting Dist., Alaska
	Idm-R400	DMEA-2564	Tillicum Mining Company Cabamero Point Antimony Prospect Ketchikan Mining District, Alaska
Monazite	Idm-E118	DMEA-280	Ruby Meadows Mining Company Ruby Meadows Placer Idaho County, Idaho
	Idm-R350	DMEA-2264	Commerce Gold Dredging Co. White Hawk Basin Placer Valley County, Idaho
	Idm-E584	DMEA-2701	Verlon W. Vandenberg Little Big Creek Property Valley County, Idaho
Zinc	Idm-E55	DMEA-342	Zenda Gold Mining Company Cape Mountain Placer Deposit Second Judicial District, Alaska

Semi-annual report on certified projects (July 1 to December 31, 1958)

List received 2/2/59

Commodity	Contract	Docket	Operator
Tin	Idm-E391	DMEA-2228	United States Tin Corporation Lost River Mine Post Clarence Mining District, Alaska
Uranium	Idm-E299	DMEA-2419	Nieminen, Eiselein and Nelligan Lone Eagle Quartz Mine Jefferson County, Montana

Noted by Messrs. Ching and Knouse, Division of Rare and Miscellaneous Metals, on February 2, 1959

August 1, 1958

Memorandum

To: Wingfield N. Chamberlain
Statistics Branch

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

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

Region I has advised that the following properties have been inactive since their last report:

Antimony

DMMA-1864	Idm-K173	Bradley Mining Company
DMMA-2193	Idm-K248	U. S. P. Antimony, Inc.
DMMA-2359	Idm-K309	Earl R. Pilgrim
DMMA-2564	Idm-K480	Trillicum Mining Company

Monazite

DMMA-930	Idm-K118	Ruby Meadows Mining Company
DMMA-2264	Idm-K350	Consumers Gold Dredging Company
DMMA-2781	Idm-K584	Verlon W. Vandeventer

Tin

DMMA-842	Idm-K55	Xenda Gold Mining Company
DMMA-2228	Idm-K391	United States Tin Corporation

Uranium

DMMA-2419	Idm-K299	Nieminen, Kiselein and Nelligan

F. L. Knouse

1201 N. Division St.
Spokane 2, Washington

July 28, 1958

7/31 Kunse 700

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Semi-annual Reports on Certified Projects

Dear Mr. Selfridge:

Enclosed are four copies each of royalty inspection reports for Region I for the period January 1 to June 30, 1958. These reports have been prepared by Engineers of the U. S. Bureau of Mines.

The royalty report on Peter Antonioli, Docket No. DMEA-3278 (manganese), will be forwarded upon receipt of additional information necessary to complete it.

In accordance with Special Notice No. 931 of the Minutes of the Operating Committee, dated February 14, 1958, we have reported together, grouped by commodities, the properties which have been inactive since the last report.

Sincerely yours,

Wing G. Agnew
Acting Executive Officer
DMEA Field Team, Region I

Enclosures

cc: USGS (2)
USBM (AD)

Commodity	Contract	Docket	Operator
Antimony	1Ga-1173	DMEA-1284	Bradley Mining Company Yellow Pine Mine Valley County, Idaho

January 29, 1958

Memorandum

To: Wingfield N. Chamberlain
Statistics Branch

From: Michael Ching, Mining Engineer
Division of Rare and Miscellaneous Metals

Subject: Semi-Annual Report, July 1-December 31, 1957

There has been no activity on the properties under the following contracts since the last reporting period ending June 30, 1957:

Docket No.	Contract No.	Operator	
DMEA 1284	Idm-E173	Bradley Mining Company	(Antimony)
DMEA-2193	Idm-E258	G. O. P. Antimony, Inc.	(Antimony)

/s/ Michael Ching

Michael Ching

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 27 1958
CODE
1/28 C 220
28 cons 100
700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 2, 1957

Operator: Bradley Mining Company
1022 Crocker Building
San Francisco 4, Calif.

Mine name: Yellow Pine Mine

County and State: Valley County, Idaho

Docket number and commodity: DMEA-1284 (antimony)

Contract number: Idm-E173

Property is inactive. No change in royalty status since report of July 1 to December 31, 1956.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

C

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date July 11, 1957

Semi-Annual Report - Certified Project Date 1/1/57 to 6/30/57

DMEA No. 1284 Operator Bradley Mining Co. Contract No. Idm-E 173

Ore Reserves

Ore Estimates	Tons	Analysis	
Original (DMEA)	57,230	0.197 Oz. Au + 0.85% Sb	
Increase (Operator)	—		
Total	57,230	"	"
Decrease (Production)	—		
Net Available	57,230	"	"

Investment

None.

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

No change in production status since Dec. 31, 1956.
Mine, mill and smelter up for sale.

Michael Ching

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 through June 30, 1957 Date of exam: June 6, 1957

Operator: Bradley Mining Co., 1022 Crocker Bldg., San Francisco 4, Calif.

Mine name: Yellow Pine mine

County and State: Valley County, Idaho

Docket number and commodity: DMEA-1284 (antimony)

Contract number: Idm-E173

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
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11	Com	100

The royalty status of the project remains the same as reported for the period of July 1 to December 31, 1956.

Most of the mill equipment has been sold and moved from the property. The smelter is being sold piecemeal and moved. The entire mine plant, balance of the mill and smelter and camp are for sale.

Sale of equipment is being handled by Machinery Center, Inc., 808 Morehouse Bldg., Salt Lake City.

Signed: J. D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~Rare & Misc. Metals~~ Division Date Jan. 23, 1957

Semi-Annual Report - Certified Project Date ~~July 1 to Dec. 31, 1956~~

DMEA No. ~~1284~~ Operator ~~Bradley Mining Co.~~ Contract No. Idm-E 173

Ore Reserves

Ore Estimates	Tons	Analysis	
Original (DMEA)	57,230	0.197 oz. Au	& 0.85 % Sb
Increase (Operator)	—		
Total	57,230	"	"
Decrease (Production)	—		
Net Available	57,230	"	"

Investment

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

No production during period. The mill has been dismantled.

Michael Ching

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

RECEIVED
JAN 22 1957
D.M.E.A.

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 14, 1956

Operator: Bradley Mining Company, 1022 Crocker Building, San Francisco 4, Calif.

Mine name: Yellow Pine Mine

County and State: Valley County, Idaho

Docket number and commodity: DMEA-1284 (antimony)

Contract number: Idm-E173

Date of contract: February 27, 1953 (as Amended)

Date of certification: July 25, 1956

Expiration date of royalty payments: February 27, 1966 (13 years)

Total amount of contract: $203,836.00

Total expenditures under contract: $180,283.72

Amount of Government participation at 75%: $135,212.79

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

Percent Government participation repaid: none

Royalty due on production to date: none

Royalty remarks: none

Semi-annual report
Contract No. Idm-E173

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey ___ Joint X	57,230	0.197 oz. Au 0.85% Sb
Revised estimate of DMEA reserves (Field Team) Mines ___ Survey ___ Joint ___		
Increase of reserves by work performed subsequent to DMEA project work	No work performed	
Production DMEA ore (this period)	none	
(previous)	none	
(to date)	none	
Production of Operator's ore found subsequent to DMEA work (this period)	none	
(previous)	none	
(to date)	none	

Percent of revised reserves mined:

Production remarks: There has been no production from the area of the mine subject to royalty. The mill was sold and dismantled.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

1-23-56 dp

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED

OPERATOR'S UNIT COST AND PROGRESS REPORT

2 0 1956

Month of November 195 5 Docket No. DMEA 1284x Contract No. Idm-2 173

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 G Dutton 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)

work completed.
Payment held up until final audit is made.

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
JAN 20 1956

December 12, 1955

DMEA Progress Report for November, 1955

Contract Idm-2 173

The final work to be done under DMEA contract Idm-2 173 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	BX
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.

RECEIVED
JAN 20 1956

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. Bluish 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	% NO_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	BX
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 NO_3 determined by lamping. All core and sludges lamped.

DIAMOND DRILL HOLE NO. LMA-27

Driller's Notes

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

Driller: Manning
Helper: Longsere

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)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED DEC 9 - 1955

Month of November, 1955 Docket No. DMEA 128Lx Contract No. Idaho 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 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 Salvage				[illegible]		[illegible]
TOTALS	925.00	185,233.39	186,158.39		184908.79	186233.79

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)

Cy 104a, marshline
to log sent to
AL 1-17-56

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

346[illegible]

$

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 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 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.

4-9-56 - Lyn
W

Bradley - E173

RECEIVED
APR 9 - 1956

Nov 1955 Mf 104 after audit adjustments - 75% -		3468.80
May 1955 Mf 104 - 75% -	1247.67	
June 1955 Mf 104 - 75% -	1241.60	2489.27
		979.53
Previous payments over		.03
Due from operator		979.56

Paid operator prior to audit	136192.35
Total payment approved by audit	135212.79
Due from operator	979.56

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

RECEIVED APR 9 - 1956

Month of June, 1955 Docket No. DMEA 1284X Contract No. Idaho 173
Operator's Name Bradley Mining Co. Minerals Antimony
Address Stibnite, Idaho
Contract Amount, $ 203,036.00 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		21,560.00	21,560.00		21560.00	21560.00
Bulldozing						
Crosscutting		6,686.76	6,686.76		6686.76	6686.76
Drifting		51,741.24	51,741.24		51741.24	51741.24
Raising 51 ft.	1655.46	4,674.24	6,329.70	1655.46	4349.64	6005.10
(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	1655.46	183,577.93	185,233.39	1655.46	183,225.33	184,880.79

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

Date 1/14/55 *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)

1 cy Narrative & 1 cy
mfg Form sent to Washington
1-9-55

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
1241.00

$

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 151 John D. Bardill Title Metallurgist Date July 18-1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 12[illegible] Contract No. I[illegible]-2 173

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'			51,711.24	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)		
~~Stops~~ Drifting, actual	1'			37,614.24	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
~~Churn~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1655.46		167,165.09				Total Costs Authorized by Contract
Operating Equipment Purchased				9,558.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,576.76				
Assaying, Ventilation				2,933.54				
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 7/14/55 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)

RECEIVED
NOV 14 1955

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

FROM: BRADLEY MINING CO.
YELLOW PINE MINE AND S
STIBNITE, IDAHO

FOR:

July 3, 1955

DMEA Progress Report for June, 1955

Contract Idm-X 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: 168 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/js

Form MF-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. DMEA1284X 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	1168.56	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	1663.56	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)

1 cy narrative and 1 cy Form 104a sent to Washington 4-9-56

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
124767

$

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. E172 in accordance with the terms of the contract.

Signature 1S John D Bardill Title Metallurgist Date 6-27-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S 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".

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.

Mr. Chambers:

Sorry these have been so long delayed. When they first came in we didn't expect them to be held up for any length of time. Then they got buried and I neglected to get them sent in on time.

Our engineer thinks they have started work again and we should have something current before too long.

Mrs Purdy

Myrtle Purdy

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 May 1955 Docket No. DMEA 1284X Contract No. ~~Idm-E-373~~
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	144	32.46)		
~~Stoping~~ Drifting, actual	1'			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
~~Core~~ Actual	1'			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1,988.16		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		183,577.93				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)

/s/ John D Bardill

RECEIVED
NOV 14 1955

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

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

FOR

June 13, 1955

DMMA 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.

DIAMOND DRILL HOLE NO. DMA-25

Driller's Notes

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

Driller: Manning
Helper: Berkell

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)

W

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 24 1955

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	178,895.59	181,589.77

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 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:
2020 64

$ 2020 63

Signature M. Q. 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 June 2-1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W. Goldsk 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

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JUN 24 1955

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		
Drifting, actual	1'			37,644.24	1363	27.62		
XCutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'			21,065.00	4213	5.00	4500	5.00
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 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)

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

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

FOR:

May 17, 1955

DMSA Progress Report for April, 1955

Contract Ida-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.

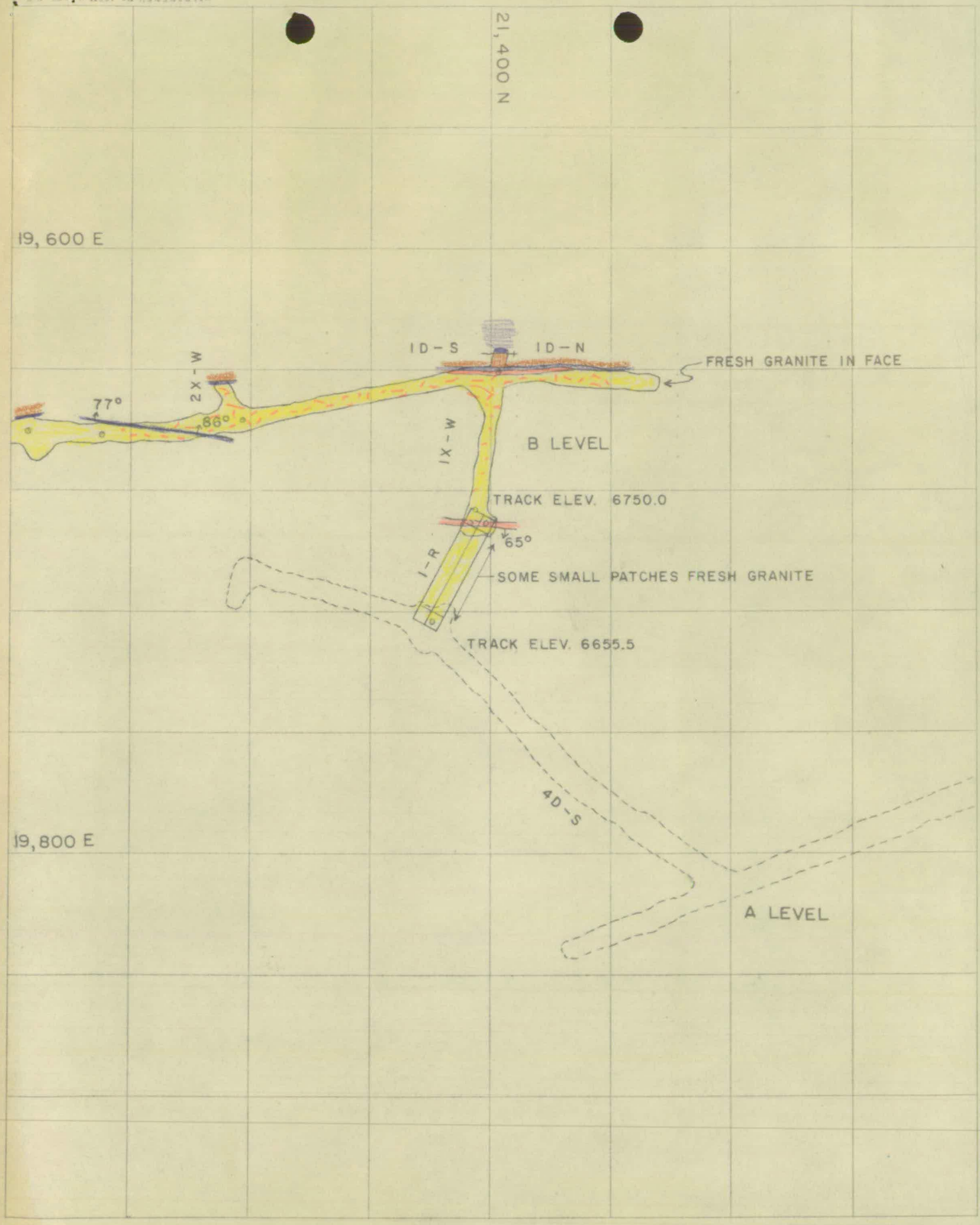
Raising to establish a C level above the present B level will begin in May.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

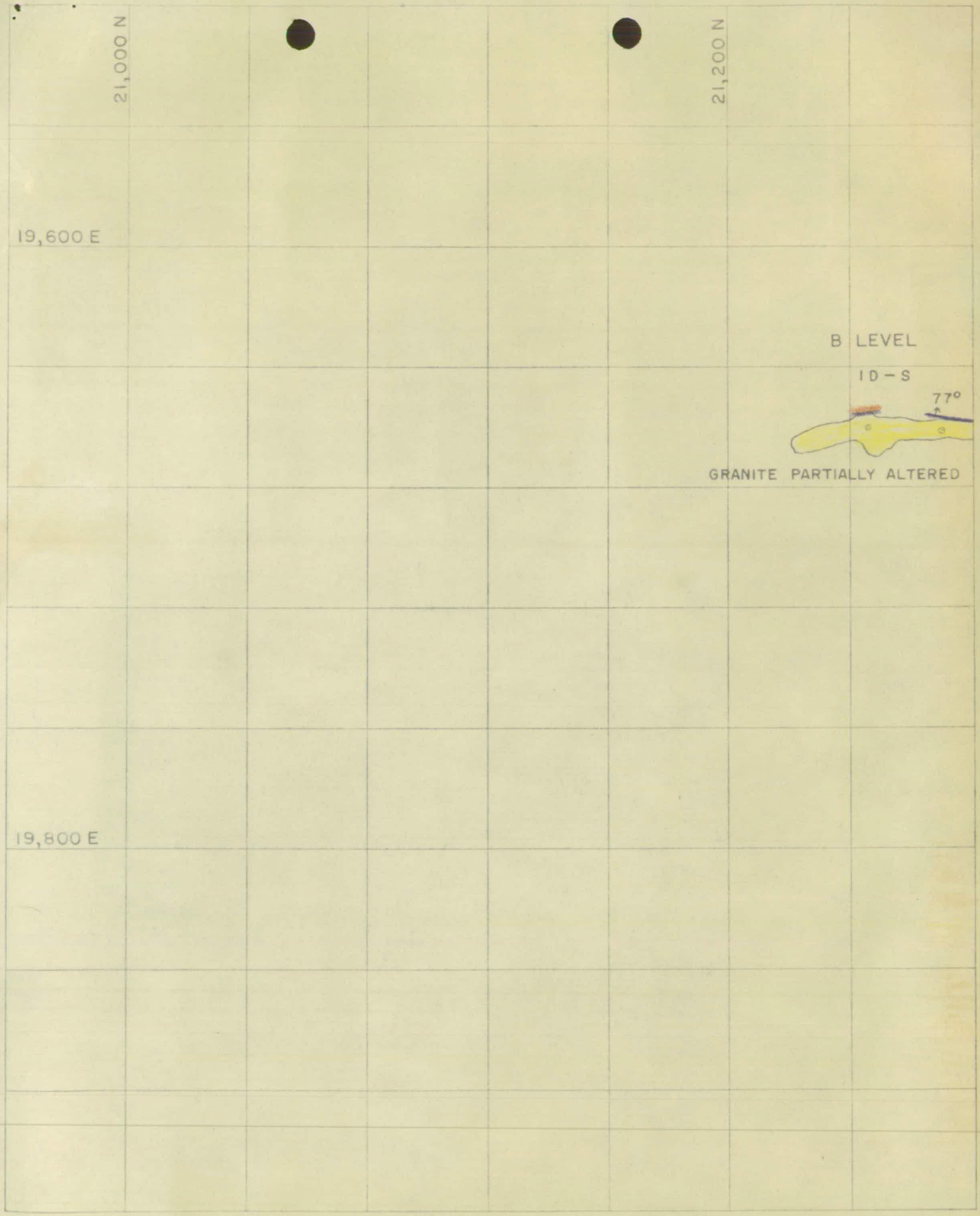


GEOLOGY SHEET 16

D.M.A. TUNNEL

1-RAISE and B LEVEL

SCALE: 1" = 40'



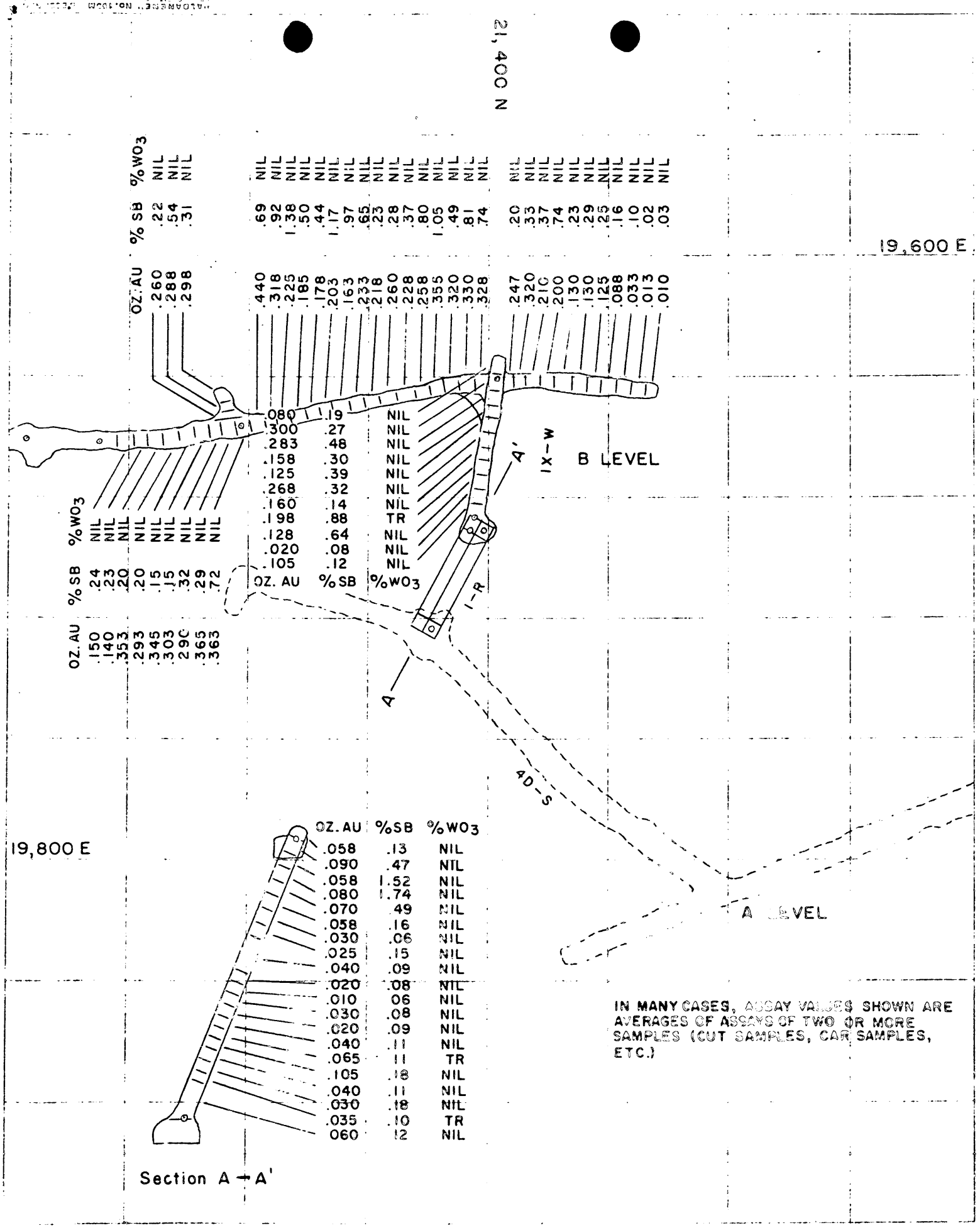
GEOLOGY SHEET 17

D.M.A. TUNNEL

B LEVEL

SCALE: 1" = 40'

RECEIVED
JUN 24 1955

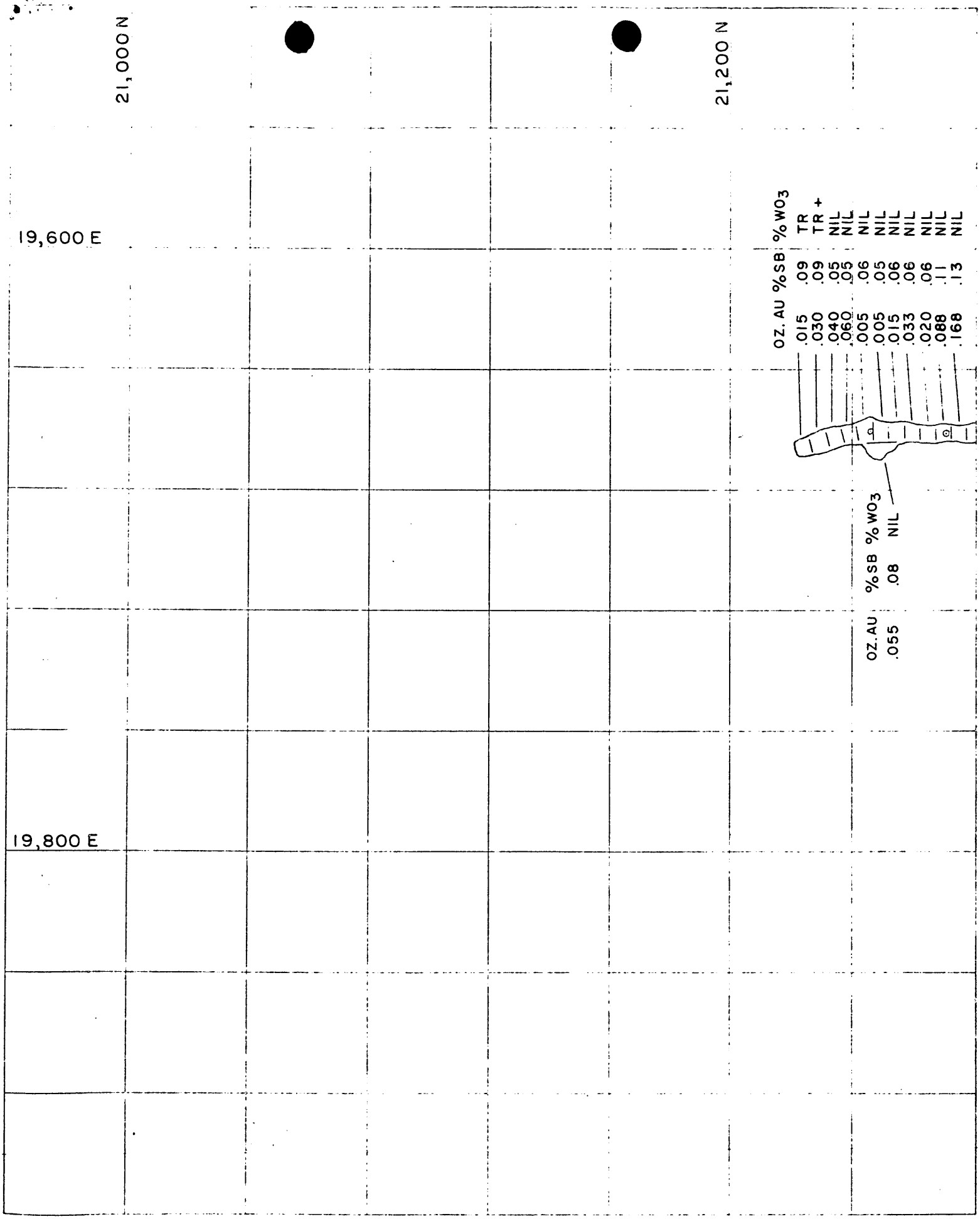


ASSAY SHEET 16

D.M.A. TUNNEL

1 RAISE and B LEVEL

SCALE 1" = 40'



ASSAY SHEET 17

D.M.A. TUNNEL

B LEVEL

SCALE: 1" = 40'

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 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						
(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	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 [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:
$ 3890 56
Signature [signature]
(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. E17-3 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W. Foldok 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 1962)

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 1955 Docket No. DMEA 1284X Contract No. Idm-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 & Amendment No. 1 Units	Unit Costs
Drifting Unit Cost	1'	3765.36	116	49,243.82	~~1517~~ 1500	32.46	2300	32.46
Crosscutting Unit Cost	1'	357.06	11	6,297.24	194	32.46		
Raising Unit Cost	1'			3,375.84	104	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'	1065.00	213	21,065.00	4213	5.00	4500	5.00
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. Webster 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)

Is/ 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

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

April 15, 1955

DMEA Progress Report for March, 1955

Contract Idm-E 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

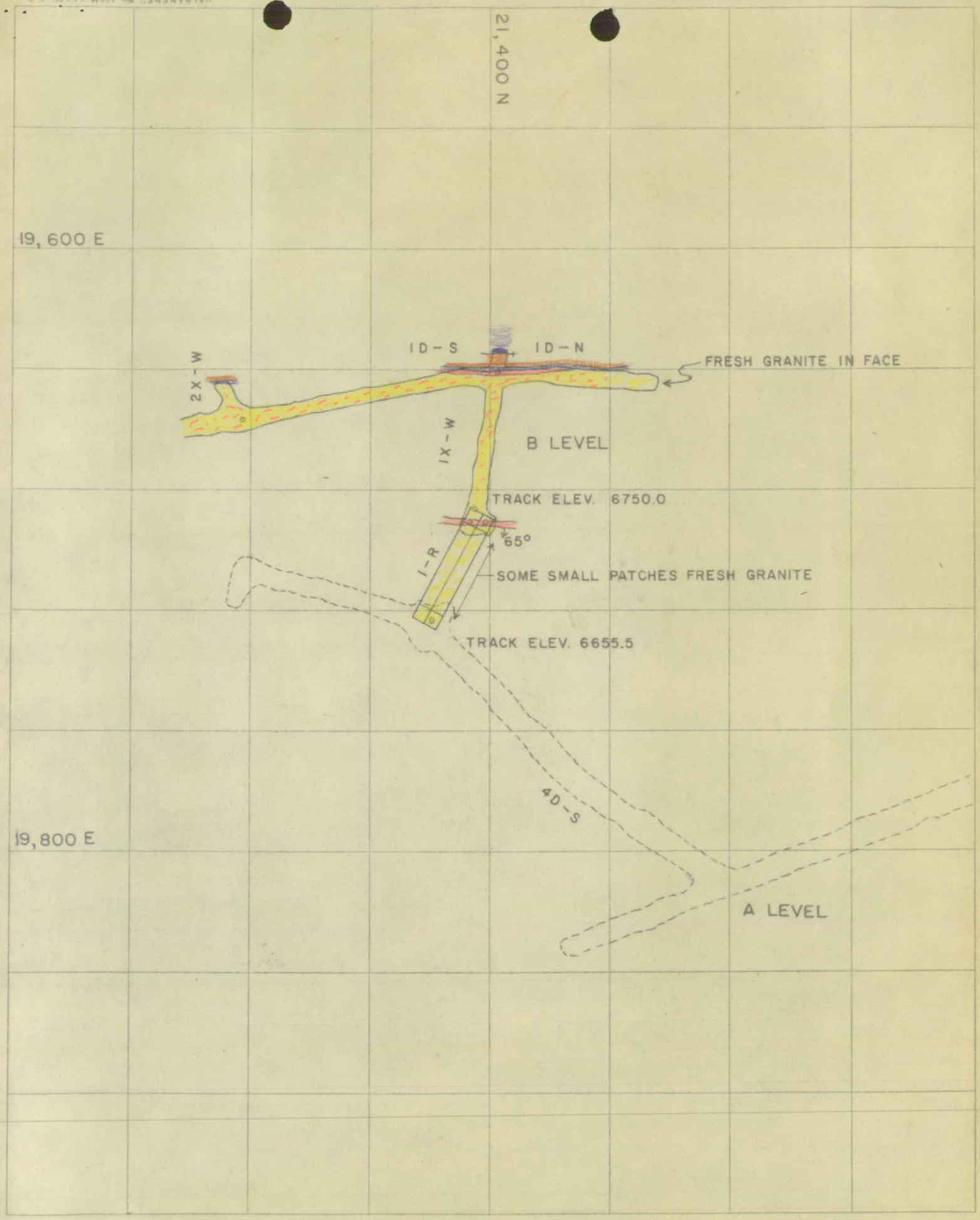
March 1955

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
Total Item 1 - Drifting	$3,765.36

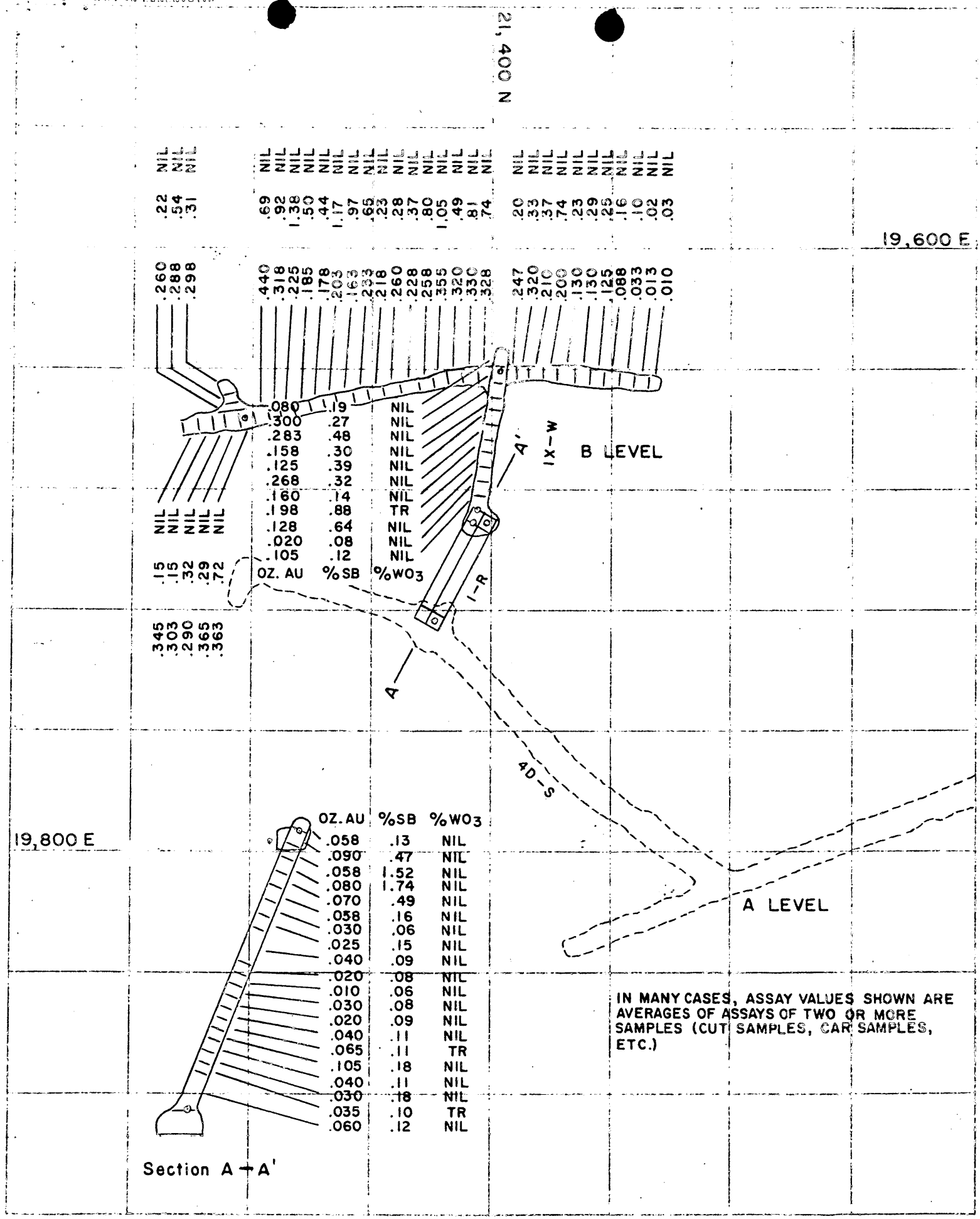


GEOLOGY SHEET 16

D.M.A. TUNNEL

1 - RAISE and B LEVEL

SCALE: 1" = 40'



ASSAY SHEET 16

D.M.A. TUNNEL

1 - RAISE and B LEVEL

SCALE: 1" = 40'

COORDINATES 21,393.3 N
19,686.7 E
ELEVATION: 6,757.6

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-22

BEARING N 70° 30' W
INCLINATION: Plus 58°
Page 1

Footage	Mineralogy	% Core Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Minor fine-grained sulfides	80				BX
5 - 10	" " " " " " "	30	Nil	.025	.04	AX
10 - 15	" " " " " " "	90	"	.075	.05	"
15 - 20	" " " " " " "	15	"	.020	.04	"
20 - 25	" " " " " " "	40	"	.020	.07	"
25 - 30	" " " " " " "	15	"	.010	.04	"
30 - 35	" " " " " " "	15	"	.005	.03	"
35 - 40	" " " " " " "	30	"	.010	.04	"
40 - 45	Altered aplite. Minor fine-grained sulfides	65	"	.030	.05	"
45 - 50	Completely altered granite	15	"	.015	.02	"
50 - 55	Altered granite; patch fresh granite	25	"	.005	.03	"
55 - 60	" " " " "	25	"	.005	.04	"
60 - 65	Altered granite	5	"	.005	.08	"
65 - 70	Completely altered granite and aplite. Some fine-grained sulfides	25	"	.015	.03	"
70 - 75	Completely altered granite and some fine-grained sulfides	10	"	.005	.02	"
75 - 80	Completely altered granite. Fine-grained sulfides, some stibnite	10	"	.215	.76	"
80 - 85	Lamprophyre dike	90	"	.130	.30	"
85 - 90	Lamprophyre dike to 86'. Dark-grey fault gouge 86 to 88', rhyolite dike 88 to 90'	45	"	.090	.21	"

End of hole at 90 feet

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

DIAMOND DRILL HOLE NO. DMA-22

Driller's Notes

Date Start: 3/18/55
Finish: 3/21/55

Drillers: Manning, Berkell
Helpers: Martin, Longmere

Footage	Remarks
0 - 5	Altered granite, no sludge
5 - 15	Altered granite, very soft. Greyish sludge.
15 - 25	Altered granite. Greyish sludge.
25 - 30	Altered granite, very soft. Greyish sludge.
30 - 40	Altered granite and gouge. Grey sludge.
40 - 45	Aplite, harder. Milky sludge.
45 - 55	Altered granite, soft. Grey sludge.
55 - 60	Fresh granite. Milky sludge.
60 - 65	Fresh granite, some aplite.
65 - 75	Fresh granite, very broken. White sludge.
75 - 80	Altered granite, some sulfides. Dark grey sludge.
80 - 85	Hit dike and water at 81 feet. Brown sludge.
85 - 90	Dike and gouge. Very soft.
	End of hole.

COORDINATES 21,392.8 N

19,696.3 E

ELEVATION 6,753.3

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-23

BEARING: S 81° 34' E

INCLINATION: Plus 2°

Footage	Mineralogy	% Core Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite to 3'. Fresh granite 3 to 5'	60				BX
5 - 10	Essentially fresh granite	5	Nil	.040	.11	AX
10 - 15	Mixed altered and fresh granite (mainly altered)	25	Tr	.040	.05	"
15 - 20	Aplite and altered granite	5	Nil	.030	.10	"
20 - 25	No core recovery	0	"	.070	.12	"
25 - 30	Completely altered granite. Some fine-grained sulfides	30	"	.200	.16	"
30 - 35	" " " " " " "	35	"	.205	.14	"
35 - 40	" " " " " " "	20	"	.100	.13	"
40 - 45	" " " " " " "	70	"	.060	.12	"
45 - 50	" " " " " " "	5	"	.070	.04	"

End of hole at 50 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-23

Driller's Notes

Date Start: 3/21/55
Finish: 3/22/55

Drillers: Manning, Berkell
Helpers: Martin, Longacre

Footage	Remarks
0 - 5	Slightly altered granite. No sludge.
5 - 10	Slightly altered granite and gouge. Very soft. Lots of milky-grey sludge.
10 - 15	Fresh granite and aplite. White sludge.
15 - 20	Fresh granite. Very soft. White and grey sludge.
20 - 25	No core. Very soft. Lots of coarse, dark grey sludge.
25 - 30	Altered granite, very soft. Lots of grey sludge.
30 - 35	Altered granite, some aplite. Soft. Grey sludge.
35 - 40	Altered granite, soft. Grey sludge.
40 - 45	Altered granite and aplite. Soft. Grey sludge.
45 - 50	Fresh granite, aplite. White sludge.

End of hole

COORDINATES 21,392.1 N
19,687.1 E

ELEVATION: 6,756.84

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-24

BEARING: S 34° 33' W

INCLINATION: Plus 39°

Page 1

Footage	Mineralogy	% Core Recovery	% MoS_2	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Some fine-grained sulfides	20				BX
5 - 10	" " " " " " "	25				"
10 - 15	" " " " " " "	15	Nil	.025	.07	AX
15 - 20	" " " " " " "	5	"	.020	.05	"
20 - 25	" " " " " " "	45	"	.045	.11	"
25 - 30	" " " " " " "	50	"	.175	.14	"
30 - 35	" " " " " " "	75	"	.190	.15	"
35 - 40	" " " Minor stibnite. Fine-grained sulfides	50	"	.075	.15	"
40 - 45	" " " Fine-grained sulfides	20	"	.040	.09	"
45 - 50	" " " " " "	30	"	.060	.10	"
50 - 55	" " " " " "	35	"	.145	.08	"
55 - 60	" " "	5	"	.210	.11	"
60 - 65	" " " Some stibnite. Fine-grained sulfides	10	"	.170	.32	"
65 - 70	" " " Some stibnite. Fine-grained granite	3	"	.200	.20	"
70 - 73	Lamprophyre dike.	100	"	.110	.25	"

End of hole at 73 feet.

Note: All assays are sludge assays. Nil values of MoS_2 determined by lamping. All core and sludges lamped.

DIAMOND DRILL HOLE NO. DMA-24

Driller's Notes

Date Start: 3/23/55
Finish: 3/24/55

Drillers: Manning, Barnell
Helpers: Martin, Longacre

Footage	Remarks
0 - 10	Altered granite. No sludge.
10 - 20	Altered granite. Lots of grey sludge.
20 - 50	Altered granite, soft. Grey sludge.
50 - 55	Altered granite and aplite. Grey sludge.
55 - 60	Altered granite. Very soft. Grey sludge.
60 - 70	Altered granite. Soft, gougy. Grey sludge.
70 - 73	Lamprophyre dike. White-ish sludge. Hit very large amount of water under high pressure.

End of hole.

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	171565.81	173708.17

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 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:

$ 1606 27

Signature M 2 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. 6173 in accordance with the terms of the contract.

Signature /s/ Webster S Anderson Title Mining Eng. Date 3-23-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Eng. 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.

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

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		
~~Other~~ 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 G. A. Orton 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.

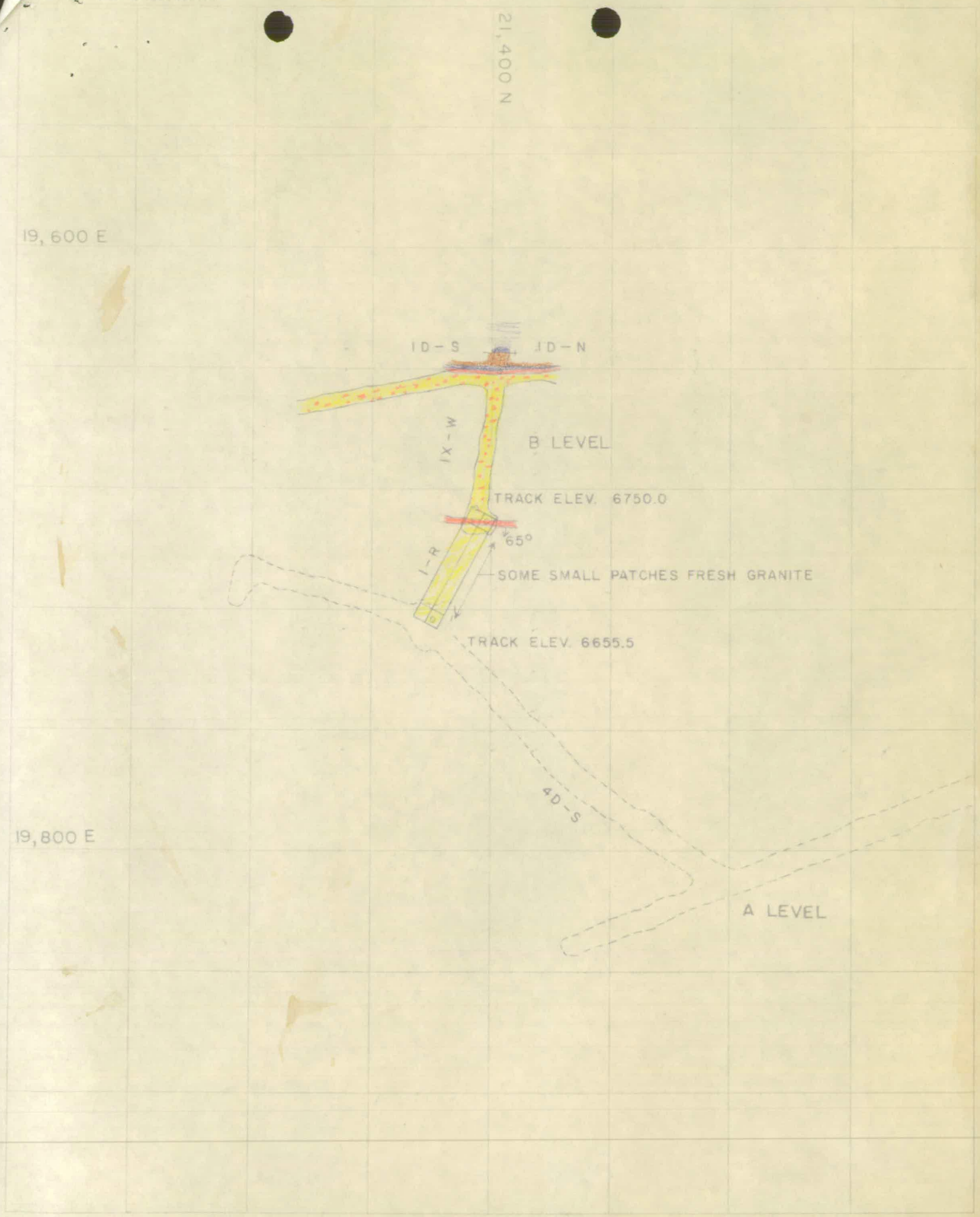
Further drifting in the ore zone will be done in March.

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

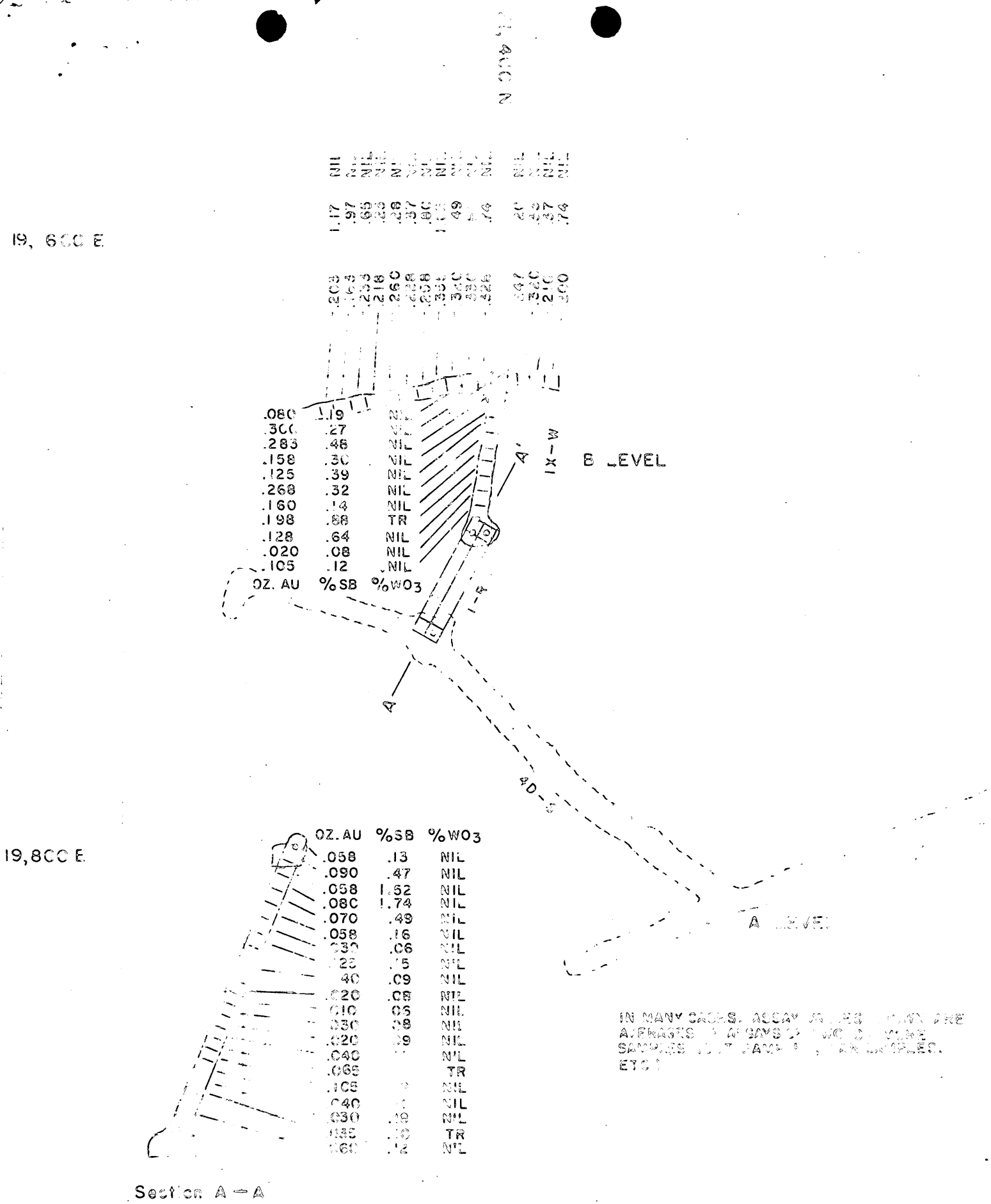


GEOLOGY SHEET 16

D.M.A. TUNNEL

1 - RAISE and B LEVEL

SCALE: 1" = 40'



ASSAY SHEET 16

D.M.A. TUNNEL

SCALE

F-104 (Rev.) 1953

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-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 47 ft.	1,525.62	4,187.34	5,712.96			
Drifting		43,561.32	43,561.32			
Raising 65 ft.	2,109.90	1,265.94	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	3,635.52	167,930.29	171,565.81	3635.52	167,930.29	171,565.81

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. Wilton 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. A. 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. 6173 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 Zoldok 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'			37,644.24	1363	27.62		
Cutting, 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 G. Olerton 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 872894

March 10, 1955

DMEA Progress Report for January, 1955

Contract Idm-E 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/ja

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

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

Re: Bradley Mining Co.
Contract Ida-2173
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 300 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. H. Weissenborn, Mine. Officer
U. S. Geological Survey

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

cc: BMMA (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, 1954 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		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	166664.35	167930.29

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

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 [signature]
(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. E-173 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 Zolock 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.

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 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'			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		
~~xxxx~~ 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'			3,496.12	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-E 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

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

Form MF-704 (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~~ Contracts: Short Form						
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	162783.10	166664.35

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:

$ 2910 94

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 (S) Webster S Anderson Title Mining Engr Date 10/25/54

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 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)		
~~xxxx~~ Raising Drifting, actual	1'			37,644.24	1363	27.62		
~~xxxx~~ Shafts ICutting, 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
~~xxxx~~ 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 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 872894

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

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)

~~SPRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. DMA -17 BEARING: S 47° 30' E

19,760.3 E INCLINATION: Minus 39°

ELEVATION: 6,652.1 Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0-5	Essentially fresh granite; minor alteration.	15	No sludge sample			BX
5-10	" " " " "	20	"	"	"	"
10-15	Fresh granite to 11 ft., completely altered granite with fine-grained sulfides 11 to 15 ft.	25	Nil	.055	.08	AX
15-20	Fresh granite.	85	Nil	.015	.05	"
20-25	Partially altered granite. Few fine-grained sulfides.	45	Nil	.010	.05	"
25-30	Mainly altered granite. " " " "	65	Nil	.010	.19	"
30-35	Altered granite. " " " "	60	Nil	.020	.16	"
35-40	" " " " " "	60	Nil	.010	.08	"
40-45	" " " " " "	35	Nil	.010	.11	"
45-50	" " " " " "	40	Nil	.010	.10	"
50-55	" " " " " "	55	Nil	.010	.06	"
55-60	Mixed fresh and altered granite. Minor fine-grained sulfides.	10	Nil	.010	.04	BX
60-65	Fresh granite.	20	Nil	.005	.03	"
65-70	Fresh granite to 66 ft. Altered granite and aplite 66 to 70 ft.	25	Nil	.005	.03	"
70-75	Altered granite. Few sulfides.	70	Nil	.010	.20	"
75-80	Altered granite and aplite. Few sulfides.	10	Nil	.005	.06	"
80-85	" " " " " "	20	Nil	Tr	.03	"
85-90	Aplite.	15	Nil	Tr	.04	"
90-95	Partially altered granite. Patches fresh granite.	30	Nil	.005	.09	"
95-100	Essentially fresh granite.	30	Nil	.005	.04	"
100-105	Fresh aplite and granite.	6	Nil	.005	.05	"
105-110	Altered granite. Very few sulfides.	30	Tr	.015	.21	"
110-115	Altered aplite. Sulfide smears 1/16-incl. stringer WO_3 at 112'.	20	.32	.015	.13	"

~~YELLOW PINE MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. DMA-17 BEARING: S 47° 30' E

19,760.3 E INCLINATION: Minus 39°

ELEVATION: 6,652.1 Page No. 2

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
115-120	Essentailly fresh granite; patches altered granite.	30	.17	.010	.06	EX
120-125	Fresh granite; patches altered granite.	15	.04	.005	.05	"
125-130	Aplite.	15	.03	.020	.05	"
130-135	No core recovery.	0	.06	.040	.03	"
135-140	" " "	0	Tr	.025	.04	"
140-145	Fresh granite and aplite.	8	Tr	.020	.05	"
145-150	Fresh granite.	1	Tr	.010	.06	"
150-155	Aplite and fresh granite.	6	Tr	.005	.05	"
155-160	Fresh granite and aplite.	10	Tr	.005	.04	"
160-165	Fresh granite.	25	Tr	.015	.04	"
165-170	" "	8	Tr	.010	.04	"
170-175	" "	50	Tr	.010	.03	"
175-180	" "	45	Nil	.010	.04	"
180-185	" "	40	Tr	.030	.05	"
185-190	Fresh aplite.	12	Tr	.015	.04	"
190-195	" "	10	Tr	.015	.05	"
195-200	Fresh granite.	15	Nil	.015	.03	"

End of hole at 200 feet.

Note: All assays are sludge assays.
Trace and nil values of WO_3 determined by lamping, numerical values determined by assay.
All core and sludges lamped.

DIAMOND DRILL HOLE NO. DMA-17

Driller's Notes

Date Start: 7/28/54 Drillers: Manning, Berkell

Finish: 8/10/54 Helpers: Ross, Smith

Footage	Remarks
0 - 10	Fresh granite. No sludge
10 - 15	Altered granite. Sulfides. Milky sludge.
15 - 25	Fresh granite. Milky sludge.
25 - 30	Fresh to altered granite. Milky sludge.
30 - 35	Altered granite. Grey sludge.
35 - 40	Slightly altered. Very hard and broken with some gouge seams. Milky sludge.
40 - 55	Slightly altered. Hard and broken. Milky sludge.
55 - 60	Slightly altered. Very soft and gougy. Milky sludge.
60 - 70	Fresh granite. Soft and gouge. Milky sludge.
70 - 75	Altered granite with sulfides. Soft. Milky-blue sludge.
75 - 80	Altered granite. Very soft. Milky sludge. Hole caving at 78 ft.
80 - 85	Fresh granite. Very soft. Milky sludge.
85 - 90	Aplite and gouge. Very soft. Milky sludge.
90 - 95	Fresh granite and aplite. Milky sludge. Hole caving at 92 ft.
95 -100	Fresh granite. Milky sludge.
100-105	Granite and aplite. Gouge seams. Greyish sludge. Hole caved from 75 ft. Drilled 30 ft. to bottom and cemented. Used 100 lbs. cement.
	Hit cement at 50 ft. Drilled 55 ft. cement. Picked up quite a bit of cave in cement from 78 to 90 ft. Some cave at 100 to 105 ft.
105-110	Altered granite and gouge seams. Greyish sludge.
110-115	Altered granite and quartz. Some scheelite. Milky sludge.

DIAMOND DRILL HOLE NO. DMA-17

Driller's Notes

Date Start: 7/28/54 Drillers: Manning, Barkell

Finish: 8/10/54 Helpers: Ross, Smith

Footage	Remarks
115-120	Fresh granite and aplite. Some gouge. Milky sludge.
120-125	Fresh granite and aplite. Some scheelite. Milky sludge.
125-130	Aplite and gouge seams. Greyish sludge.
130-155	Practically no core. Gouge. Lots of grey sludge. Hole is caving at 100 to 110 ft. and from 135 ft.
155-160	Fresh granite and aplite. Some gouge and sand. Milky sludge. Have lacked 12 to 18 inches of getting to bottom each run.
160-165	Fresh granite. Medium hard, broken. Hole still caving some. Milky sludge.
165-170	Fresh granite. Milky sludge. Washed 3 ft. to bottom. Lots of sludge.
170-175	Fresh granite and aplite. Milky sludge. Washed 3 ft. to bottom. Lots of sludge.
175-180	Fresh granite and aplite. Milky sludge. Washed 18 inches to bottom.
180-185	Fresh granite and aplite. Greyish sludge.
185-190	Aplite. Washed 2 ft. to bottom.
190-195	Aplite. Washed 6 ft. to bottom.
195-200	Fresh granite and sand. Lots of grey sludge. Hole caving in several places: 140 to 155 ft. and was caved tight at 180 ft. Had to wash and drill 17 ft. to get to bottom.
	Had trouble pulling and couldn't get back in beyond 182 ft. Washed hole and cemented approximately 65 ft.
	Cement did not set. Cleaned hole and put in two sacks of cement.
	Hit cement and cave at 130 ft. Not set up. Had trouble getting out of hole from 145 to 150 ft.
	End of hole.

~~SPRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,738.8 N
19,706.4 E

ELEVATION: 6,651.3

DIAMOND DRILL HOLE NO. LMA-18

BEARING: N 88° 58' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0-5	Fresh granite.	85	No sludge sample			BX
5-10	" "	70	" "	"		"
10-15	" "	90	Nil	.005	.02	AX
15-20	" "	90	Tr	Tr	.03	"
20-25	" " . Patch altered granite at 24½ feet.	95	Nil	Tr	.03	"
25-30	" "	95	Nil	.010	.04	"
30-35	" " . Minor patches of alteration.	90	Nil	Tr	.04	"
35-40	Mixed fresh and altered granite. Very few sulfides.	65	Nil	.020	.05	"
40-45	Practically no core recovery.(one small piece of fresh granite)	1	Nil	.010	.03	"
45-50	Fresh granite.	25	Nil	.010	.04	"
50-55	" "	80	Nil	.010	.06	"
55-60	" " . some aplite.	50	Nil	.010	.02	"
60-65	Partially altered granite. Aplite.	8	Nil	.015	.05	"
65-70	Aplite.	20	Nil	.005	.01	"
70-75	Altered granite - very few sulfides.	25	Nil	.020	.02	"
75-80	Altered granite breccia. Fine-grained sulfides.	30	Nil	.080	.04	"
80-85	No core recovery.	0	Nil	.105	.03	"
85-90	Altered granite breccia. Fine-grained sulfides.	30	Nil	.120	.05	"
90-95	" " " " " " . No core 93 to 95 ft.	15	Nil	.120	.06	"
95-100	No core recovery.	0	Nil	.105	.04	"
100-105	Mixed lamprophyre dike and granite breccia.	10	Nil	.115	.06	"
105-108	Lamprophyre dike.	90	No sludge sample.			"

End of hole at 108 feet.

Note: All assays are sludge assays. Trace and nil values of WO_3 determined by lamping.
All core and sludges lamped.
The following sludges were assayed for silver:
80 to 85 feet 0.06 oz/ton Ag
100 to 105 feet 0.14 oz/ton Ag

DIAMOND DRILL HOLE NO. DMA-18

Driller's Notes

Date Start: 8/6/54 Drillers: Manning, Barkell

Finish: 8/8/54 Helpers: Ross, Smith

Footage	Remarks
0-5	Fresh granite and aplite. No sludge.
5-10	Fresh granite. No sludge.
10-30	Very hard fresh granite. White sludge.
30-35	Very hard fresh granite with a few sulfides in seams. White sludge.
35-40	Slightly altered to 38 ft., completely altered 38 to 40 ft. Some gouge. White to blue sludge.
40-45	No core. Very soft and gougy. White sludge.
45-50	Very soft and gougy to 48 ft. Hard fresh granite 48 to 50 ft. Grey sludge.
50-55	Fresh granite, some aplite. Milky sludge.
55-60	Fresh granite. Greyish sludge.
60-70	Slightly altered. Some gouge seams.
70-75	Fresh granite and gouge. White sludge.
75-80	Altered granite and gouge. Blue sludge.
80-85	No core. Talc and gouge. Blue sludge.
85-90	Completely altered granite with sulfides. Talc and gouge. Blue sludge.
90-93	Altered granite and gouge. Blue sludge.
93-100	No core. Talc and gouge. Blue sludge.
100-105	Altered granite, talc and gouge. 4 inches dike. White sludge.
105-108	Dike. White sludge.
	End of hole.

~~SPRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N
19,760.3 E

ELEVATION: 6,657.6

DIAMOND DRILL HOLE NO. DMA-19

BEARING: S 47° 00' E

INCLINATION: Plus 30°

Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0-5	Essentially fresh granite, partially altered in places	60	No sludge sample			BX
5-10	" " " " " " "	60	"	"	"	"
10-15	" " " " " " "	40	Nil	.005	.04	AX
15-20	Altered granite. Few fine-grained sulfides.	80	Nil	.005	.04	"
20-25	Mixed altered and fresh granite.	65	Nil	Tr	.03	AX
25-30	Altered granite. Some fine-grained sulfides.	45	Nil	.010	.05	"
30-35	Altered granite and aplite. Few fine-grained sulfides.	40	Nil	.010	.04	"
35-40	Mainly fresh granite, minor patches altered granite.	40	Nil	Tr	.03	"
40-45	Fresh granite.	55	Nil	.005	.04	"
45-50	" "	70	Nil	.005	.04	"
50-55	" "	65	Nil	.005	.04	"
55-60	Fresh granite to 58½. Altered granite with fine-grained sulfides 58½ to 60.	80	Nil	Tr	.03	"
60-65	Mixed altered and fresh granite.	90	Nil	.010	.02	"
65-70	Mainly altered granite. Some fine-grained sulfides.	80	Nil	.010	.05	"
70-75	Altered granite with fine-grained sulfides.	95	Nil	.010	.13	"
75-80	" " " " " "	90	Nil	.010	.06	"
80-85	" " " " " "	90	Nil	.010	.07	"
85-90	Hard, altered aplite to 87'. Altered granite with fine-grained sulfides 87 to 90 feet.	55	Nil	.010	.03	"
90-95	Altered granite; some aplite.	65	Nil	.005	.03	"
95-100	Mainly altered granite, some patches aplite and fresh granite.	85	Nil	.005	.03	"
100-105	Altered granite. Abundant fine-grained sulfides. Some brecciation.	95	Nil	.075	.07	"
105-110	Brecciated altered granite. Black gouge, fine-grained sulfides.	40	"	.060	.09	"
110-115	" " " " " " "	20	Nil	.015	.05	"
115-120	Brecciated altered granite. Fine-grained sulfides.	30	Nil	.025	.05	"
120-125	Hard, altered granite. Abundant fine-grained sulfides.	50	Nil	.100	.04	"

~~SCHEMPFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. DMA-19 BEARING: S 47° 00' E

19,760.3 E INCLINATION: Plus 30°

ELEVATION: 6,657.6 Page No. 2

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
125-130	Hard, altered granite. Abundant fine-grained sulfides.	90	Nil	.155	.11	AX
130-135	" " " " " " "	35	Nil	.140	.23	"
135-140	Altered granite, fine-grained sulfides. Some gouge and brecciation.	20	Nil	.050	.28	"
140-145	Altered granite, fine-grained sulfides.	40	Nil	.050	.17	"
145-150	" " " " "	90	Tr	.040	.30	"
150-155	Altered granite and aplite. Fine-grained sulfides.	75	Nil	.040	.12	"
155-160	Very hard aplite to 158½. Fresh granite 158½ to 160'.	95	Nil	.035	.10	"
160-165	Essentially fresh granite. Patches of alteration.	85	Nil	.045	.14	"
165-170	Altered granite and aplite. Few fine-grained sulfides.	95	Nil	.040	.36	"
170-175	Altered granite to 172'. Fresh granite 172 to 175'.	85	Tr	.040	.50	"
175-180	Fresh granite.	100	Nil	.040	.20	"
180-185	" "	95	Nil	.030	.08	"
185-190	" " , patches of alteration.	70	Nil	.030	.09	"
190-195	" " " " "	90	Nil	.030	.07	"
195-200	Fresh granite to 198'. Aplite 198 to 200'.	75	Nil	.035	.11	"
200-205	Very hard aplite. Fine-grained sulfides along fractures.	45	Nil	.035	.10	"
205-210	" " " " " " " "	60	Nil	.025	.08	"
210-215	" " " " " " " "	20	Nil	.025	.05	"
215-220	" " " " " " " "	20	Nil	.025	.05	"
220-225	Hard aplite. Fine-grained sulfides.	35	Nil	.035	.04	"
225-230	Altered granite and aplite. Fine-grained sulfides.	35	Nil	.045	.06	"
230-235	Mainly fresh granite. Patches of alteration.	45	Nil	.020	.09	EX
235-240	Altered granite. Some fine-grained sulfides.	45	Nil	.015	.04	"
240-245	" " " " " "	30	Nil	.020	.08	"
245-250	Mainly fresh granite. Minor patches of alteration.	30	Nil	.010	.02	"
250-255	" " " " " " "	90	Nil	Tr	.02	"
255-260	Fresh granite.	80	Nil	.005	Tr	"
260-265	" "	80	Nil	Tr	.02	"
265-270	" "	65	Nil	Tr	.01	"

~~STRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. DMA-19 BEARING: S 47° 00' E

19,760.3 E INCLINATION: Plus 30°

ELEVATION: 6,657.6 Page No. 3

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
270-275	Fresh granite. Minor patches of alteration.	65	Nil	Tr.	.08	EX
275-280	" " " " " "	25	Nil	Tr	Tr	"

End of hole at 280 feet.

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

The following sludges were assayed for silver:

105 to 110 ft. 0.10 oz/ton Ag
130 to 135 ft. 0.12 oz/ton Ag
155 to 160 ft. 0.07 oz/ton Ag

DIAMOND DRILL HOLE NO. DMA-19

Driller's Notes

Date Start: 8/11/54 Drillers: Manning, Barkell

Finish: 8/20/54 Helpers: Ross, Smith

Footage	Remarks
0-10	Fresh granite. No sludge.
10-15	Fresh granite. Milky sludge.
15-20	Fresh granite; some sulfides. Milky-blue sludge.
20-25	Fresh and slightly altered granite. Some gouge. Milky sludge.
25-35	Altered granite; sulfides. Grey sludge.
35-40	Fresh granite. Very hard and broken. Milky sludge.
40-59	Fresh granite; some aplite. Milky sludge.
59-70	Fresh and altered granite. Milky-blue sludge.
70-75	Altered granite; sulfides. Milky-blue sludge.
75-83½	Altered granite; heavy sulfides. Milky-blue sludge.
83½-85	Slightly altered granite. Milky sludge.
85-90	Slightly altered granite; some sulfides. Milky sludge.
90-95	Slightly altered granite. Hard and broken. Milky sludge.
95-100	Fresh and altered granite. Sulfides. Greyish sludge.
100-105	Altered granite. Heavy sulfides. Bluish sludge.
105-115	Altered granite. Sulfides, gouge. Bluish sludge.
115-120	Altered granite; sulfides. Bluish sludge.
120-125	Altered granite; heavy sulfides, some gouge. Bluish sludge.
125-130	Altered granite; heavy sulfides. Dark blue sludge.
130-135	Altered granite; sulfides. Some gouge. Bluish sludge.
135-140	Altered granite. Some gouge. Greyish sludge.
140-145	Altered granite and gouge. Soft blue sludge.
145-150	Altered granite. Soft milky sludge.

DIAMOND DRILL HOLE NO. DMA-19

Driller's Notes

Date Start: 8/11/54 Drillers: Manning, Barkell

Finish: 8/20/54 Helpers: Ross, Smith

Footage	Remarks
150-153	Altered granite. Milky sludge.
153-154	Fresh granite. Milky sludge.
154-159	Aplite and fresh granite. Very hard--highly silicified. Milky sludge.
159-165	Fresh granite. Slightly altered from 164 to 165 ft. Hard and broken. Milky sludge.
165-170	Slightly altered granite. Gouge seams. Greyish sludge.
170-175	Fresh granite. Slightly altered from 170 to 172 ft. Milky sludge.
175-185	Fresh granite. Milky sludge.
185-193½	Fresh granite with slight alteration in seams. Milky sludge.
193½-198	Fresh granite, some aplite. Milky sludge.
198-210	Slightly altered granite. Very hard and broken. Milky sludge.
210-230	Core blocked at 214'. Slightly altered granite. Very broken, with gouge seams. Milky sludge.
230-240	Cased to EX at 230 ft. Varied from slightly altered to fresh. Very broken. Milky sludge.
240-250	Altered granite and gouge; some fresh granite. Milky-blue sludge.
250-256	Slightly altered to fresh granite. Harder. Milky sludge.
256-265	Fresh granite. Milky sludge.
265-275	Fresh granite, some aplite.
275-280	Fresh granite. Milky sludge.
	End of hole.

~~SPRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,384.1 N DIAMOND DRILL HOLE NO. DMA-20 BEARING: N 61° 19' W

19,717.8 E INCLINATION: Plus 44°

ELEVATION: 6,664.5 Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0-5	Completely altered, brecciated granite. Abundant fine-grained sulfides.	90				BX
5-10	" " " " "	70				"
10-15	" " " " "	90	Nil	.055	.10	AX
15-20	Altered aplite to 19'. Altered granite 19 to 20'. Fine-grained sulfides.	45	Nil	Tr	.04	"
20-25	Altered aplite to 22'. Altered granite 22 to 25'. Fine-grained sulfides.	50	Nil	.015	.07	"
25-30	Completely altered, brecciated granite. Abundant fine-grained sulfides.	85	Nil	.245	.05	"
30-35	" " " " "	50	Nil	.025	.05	"
35-40	" " " " "	40	Nil	.025	.05	"
40-45	" " " " "	40	Nil	.240	.16	"
45-50	" " " " "	25	Nil	.100	.20	"
50-55	" " " " "	90	Nil	.230	.54	"
55-60	" " " " "	80	Nil	.330	.51	"
60-65	" " " " " , stibnite	75	Nil	.325	3.22	"
65-70	" " " " "	95	Nil	.290	1.60	"
70-75	" " " " "	85	Nil	.360	.60	"
75-80	" " " " "	100	Nil	.250	.37	"
80-85	" " " " "	95	Nil	.190	.26	"
85-90	" " " " "	75	Nil	.185	.16	"
90-95	" " " " "	95	Nil	.305	.21	"
95-100	" " " " "	55	Nil	.230	.15	"
100-105	" " " " "	95	Nil	.215	.22	"
105-110	" " " " "	45	Nil	.195	.31	"
110-115	" " " " "	55	Tr	.295	.34	"
115-120	" " " " "	15	Nil	.180	.13	"
120-125	" " " " "	6	Nil	.160	.21	"
125-130	Completely altered, brecciated granite to 127½'. Lamprophyre dike 127½ to 130'.	45	Nil	.210	.22	"

~~SPRINGFIELD MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,384.1 N DIAMOND DRILL HOLE NO. DMA-20 BEARING: W 61° 19' W

19,717.8 E INCLINATION: Plus 44°

ELEVATION: 6,664.5 Page No. 2

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
130-135	Lamprophyre dike. Some altered granite mixed with dike at 135'.	60	Nil	.170	.20	AX

End of hole at 135 feet.

Note: All assays are sludge assays.

Trace and nil values of WO_3 determined by lamping. All core and sludges lamped.

The following sludges were assayed for silver:

55 to 60 ft. 0.13 oz/ton Ag
80 to 85 ft. 0.12 oz/ton Ag
105 to 110 ft. 0.26 oz/ton Ag
130 to 135 ft. 0.14 oz/ton Ag

DIAMOND DRILL HOLE NO. DMA-20

Driller's Notes

Date Start: 8/21/54 Drillers: Manning, Barkell

Finish: 8/23/54 Helpers: Ross, Smith

Footage	Remarks
0-4	Altered granite. No sludge.
4-5	Fresh granite. No sludge.
5-10	Altered granite, gouge seams. No sludge.
10-15	Altered granite, gouge seams. Bluish sludge.
15-22	Slightly altered granite, gouge seams. Grey sludge.
22-30	Completely altered granite, gouge seams. Bluish sludge.
30-60	Altered granite and gouge. Very soft. Bluish sludge.
60-75	Altered granite and gouge. Very soft. Very blue sludge.
75-90	Altered granite. Very soft. Grey sludge.
90-105	Altered granite. Some gouge. Grey sludge.
105-115	Altered granite, very soft. Light blue sludge.
115-120	Altered granite, very soft. Blue to milky sludge.
120-127½	Altered granite, very soft. Milky sludge.
127½-130	Dike. Water source at 127½ feet. Milky sludge.
130-135	Dike and fault. Milky sludge.
	End of hole.

~~SPECIMEN MINE~~
BRADLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,427.0 N
19,834.3 E

DIAMOND DRILL HOLE NO. DMA-21

BEARING: S 37° 37' E

INCLINATION: Plus 2°

ELEVATION: 6,655.9

Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0-5	Mixed altered and fresh granite.	30				BX
5-10	" " " " " . Brecciated 9 to 10'.	30				"
10-15	Fresh granite.	50	Tr	Tr	.01	AX
15-20	" "	55	Nil	Tr	.01	"
20-25	" " . Patch of alteration 22 to 23'.	95	Nil	.005	.01	"
25-30	Fresh granite to 25½', aplite 25½ to 27', altered granite with fine-grained sulfides 27 to 30'.	40	Tr	.005	.03	BX from 27'
30-35	Altered granite with fine-grained sulfides to 32'. Fresh granite 32 to 35'.	15	~~Tr~~	~~.005~~	~~.02~~	BX
35-40	Fresh granite. Minor patch of alteration at 39'.	35	Tr	.005	.02	"
40-45	" "	15	~~Tr~~	~~.005~~	~~.02~~	"
45-50	" " . Aplite 49 to 50'.	15	~~Tr~~	~~.005~~	~~.02~~	"
50-55	" "	35	~~Tr~~	~~.010~~	~~Tr~~	"
55-60	" "	35	Tr	.010	Tr	"
60-65	Aplite.	65	~~Tr~~	~~.010~~	~~Tr~~	"
65-70	"	55	~~Tr~~	~~.010~~	~~Tr~~	"
70-75	Aplite to 71', fresh granite 71 to 72', aplite 72 to 75'.	55	~~Tr~~	~~.005~~	~~.02~~	"
75-80	Fresh granite.	30	Tr	.005	.02	"
80-85	" "	60	~~Tr~~	~~.005~~	~~.02~~	"
85-90	" "	80	~~Tr~~	~~.005~~	~~.02~~	"
90-95	Aplite to 91'. Fresh granite with minor patches of alteration 91 to 95'.	50	Nil	.005	.01	"
95-100	Fresh granite.	30	~~Nil~~	~~.005~~	~~.01~~	"

End of hole at 100 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-21

Driller's Notes

Date Start: 8/23/54 Drillers: Manning, Barkell

Finish: 8/24/54 Helpers: Ross, Smith

Footage	Remarks
0-10	Fresh and altered granite, soft. Milky sludge.
10-15	Fresh and altered granite. Milky sludge.
15-25	Fresh granite. Milky sludge.
25-27	Fresh granite and aplite. Milky sludge.
27-35	Aplite, fresh and altered granite. Very soft and gougy. Grey sludge.
35-40	Fresh granite. Milky sludge.
40-60	Fresh granite and aplite. Milky sludge.
60-65	Aplite. Very hard. Milky sludge.
65-75	Aplite and fresh granite. Milky sludge.
75-82	Fresh granite and aplite. Gouge seams. Milky sludge.
82-100	Fresh granite and aplite. Milky sludge.
	End of hole.

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-5 173
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 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	159,943.80	162,783.10

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 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 /s/ Webster S Anderson Title Mining Engr Date 10/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldak 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)		
Drifting, actual	1'			37,644.24	1363	27.62		
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
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 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 872894

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

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)

COORDINATES 21,376.0 N

19,728.5 E

ELEVATION 6,658.1

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-14

BEARING: S 48° 16' E

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% NO_3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite; fine-grained sulfides	60	No sludge sample			BX
5 - 10	" " " " " "	80	" " "			"
10 - 15	" " " " " "	30	Nil	.055	.09	AX
15 - 20	" " " " " "	70	"	.080	.15	"
20 - 25	Partially altered granite (40% alt.), some aplite	45	"	.040	.10	"
25 - 30	Completely altered granite; fine-grained sulfides. Patches fresh granite	95	"	.075	.10	"
30 - 35	Completely altered granite; fine-grained sulfides.	10	"	.065	.10	"
35 - 40	" " " . Some coarse stibnite, fine-grained sulfides	40	"	.125	1.51	"
40 - 45	Mainly fresh granite. Patches of altered granite	40	"	.020	.10	"
45 - 50	Mixed altered and fresh granite (mainly fresh)	35	"	.005	.07	"
50 - 55	Hard aplite. Some fine-grained sulfides	45	"	.055	.13	"
55 - 60	Mixed altered and fresh granite. Some fine-grained sulf.	60	"	.055	.15	"
60 - 65	" " " " " " " " "	45	"	.045	.09	"
65 - 70	Altered aplite; some fine-grained sulfides; some altered granite	75	"	.030	.05	"
70 - 75	Mixed altered and fresh granite, some aplite. Fine-grained sulfides	55	"	.025	.09	"
75 - 79	Mainly fresh granite; minor alteration	85	"	.025	.06	"

End of hole at 79 feet.

Note: All assays are sludge assays.
Nil values of NO_3 determined by lamping.
All core and sludges lamped.

DIAMOND DRILL HOLE NO. DMA-14

Driller's Notes

Date Start: 7/14/54 Drillers: Manning, Berkell

Finish: 7/16/54 Helpers: Ross, Smith

Footage	Remarks
0 - 20	Altered granite; some sulfides
20 - 25	Fresh granite
25 - 30	Altered granite
30 - 35	Fresh granite
35 - 40	Altered granite; some sulfides
40 - 51	Fresh granite
51 - 55	Granite and quartz
55 - 65	Fresh granite
65 - 70	Granite and quartz. Caving some.
70 - 75	Granite and quartz
75 - 79	Fresh granite and aplite

End of hole

COORDINATES 21,386.6 N
19,719.5 E
ELEVATION 6,658.5

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-15

BEARING: N 30° 28' W
INCLINATION: Plus 1°
Page 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite with fine-grained sulfides to 4'; fresh granite 4 to 5'	80	No sludge sample			BX
5 - 10	Completely altered granite with fine-grained sulfides	10	" " "			"
10 - 15	" " " " " " "	50	Nil	.060	.09	AX
15 - 20	" " " " " " "	50	"	.130	.13	"
20 - 25	" " " " " " " , some aplite	80	"	.025	.09	"
25 - 30	" " " " " " "	45	"	.025	.11	"
30 - 35	Altered aplite, some altered granite. Fine-grained sulf.	75	"	.030	.07	"
35 - 40	Altered aplite and granite to 36'. Hard aplite, some fresh granite 36 to 40'	80	"	.035	.06	"
40 - 45	Hard aplite. Altered granite ~~49~~ 44 to ~~50~~ 45'	95	"	.055	.06	"
45 - 50	Altered granite to 46½'. Fresh granite 46½ to 50'	65	"	.030	.06	"
50 - 55	Completely altered aplite and granite. Some fine-grained sulfides	80	"	.035	.19	"
55 - 60	Completely altered granite with fine-grained sulfides	90	"	.045	.20	"
60 - 65	" " " " " " " Very small specks WO_3 at 60'	80	"	.050	.11	"
65 - 70	Mainly altered aplite and granite. Patches fresh granite	20	"	.045	.08	"
70 - 75	Mainly altered aplite; some fine-grained sulfides and altered granite	70	"	.050	.10	"
75 - 80	Patches of fresh granite in completely altered granite with fine-grained sulfides	70	"	.035	.09	"
80 - 85	Completely altered granite and aplite. Fine-grained sulf.	40	"	.045	.13	"
85 - 90	Completely altered granite. Fine grained sulfides	35	"	.025	.10	"
90 - 95	" " " , brecciated. Fine-grained sulfides	65	"	.060	.11	"
95 -100	Completely altered granite, brecciated. Fine-grained sulfides	40	"	.200	.21	"
100-105	Completely altered granite and aplite. Fine-grained sulfides, small seams of stibnite	95	"	.110	.66	"
105-110	Completely altered granite and aplite. Good coarse-grained stibnite	95	"	.110	2.77	"
110-115	Completely altered granite and aplite. Good coarse-grained stibnite. Very small specks WO_3 at 111'; small spots and str. WO_3 at 113'	90	"	.100	2.53	"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
115-120	Completely altered granite and aplite. Good coarse-grained stibnite. 1/4-inch str. WO3 at 116'	95	Tr	.165	1.73	AX
120-125	Completely altered granite & aplite. Good coarse-grained stibnite	95	Tr	.205	1.61	"
125-130	Completely altered granite & aplite. Good coarse-grained stibnite	80	Tr	.095	1.56	"
130-135	Completely altered granite & aplite. Good coarse-grained stibnite	90	Tr	.135	1.85	"
135-140	Completely altered granite & aplite. Some stibnite	90	Tr	.130	.56	"
140-145	" " " " " " "	5	Tr	.205	.18	"
145-150	" " " " " Fine-grained sulf.	12	Nil	.130	.26	"
150-155	" " " " " Fine-grained sulfide and stibnite	10	Tr	.105	.25	"
155-160	Completely altered granite & aplite. Fine-grained sulf.	12	Tr	.145	.29	"
160-165	" " " " " " " sulfide and stibnite	15	Nil	.125	.27	"
165-170	Completely altered granite & aplite. " " sulfide. Stibnite at 169'	95	Nil	.125	.25	"
170-175	Completely altered granite & aplite. " " "	35	Nil	.140	.33	"
175-180	" " " " " " " " "	50	Nil	.140	.26	"
180-185	" " " " " " " " "	25	Nil	.130	.17	"
185-190	" " " " " " " " "	15	Tr	.105	.20	"
190-195	" " " " " " " " "	8	Tr	.140	.15	"
195-200	" " " " " " " " "	5	Tr	.090	.29	"
200-205	Altered granite breccia	20	Nil	.100	.10	"
205-210	Altered aplite and granite breccia to 206'. Altered and soft lamprophyre dike to 209'; granite breccia to 210'	70	Tr	.075	.08	"
210-215	Altered granite breccia	40	Nil	.050	.14	"
215-220	" " "	8	Nil	.055	.08	"
220-225	" " "	20	Nil	.050	.08	"

End of hole at 225 feet.

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

DIAMOND DRILL HOLE NO. DMA-15

Driller's Notes

Date Start: 7/19/54 Drillers: Manning, Barkell

Finish: 7/26/54 Helpers: Ross, Smith

Footage	Remarks
0 - 5	Altered granite
5 - 10	Fresh granite
10 - 20	Altered granite; gray sludge
20 - 45	Altered granite and quartz
45 - 50	Fresh granite and aplite
50 - 60	Altered granite and quartz
60 - 65	Altered granite
65 - 75	Granite and quartz
75 - 80	Altered granite
80 - 85	Altered granite; one little spot of scheelite
85 - 90	Altered granite
90 - 95	Altered granite -- some gouge
95 -100	Altered granite -- very soft and broken up
100-105	Altered granite and quartz. Very hard.
105-110	Stibnite; some quartz
110-119	Altered granite; some stibnite. Stringers of scheelite
119-135	Altered granite; some stibnite
135-140	Stibnite and quartz
140-155	Quartz and gouge. Very soft; lots of sludge. Practically no core recovery.
155-165	Slightly altered. Very soft and gougy. Milky-grey sludge.
165-170	Altered granite; some sulfides. Some gouge seams. Drills easy. Milky sludge.

Footage	Remarks
170-180	Sulfides. Soft; milky grey sludge.
180-195	Sulfides. Soft and gougy; milky sludge.
195-200	Sulfides. Soft and gougy; milky grey sludge.
200-205	Very soft and gougy; greyish sludge.
205-210	Dike. Milky sludge.
210-215	Soft and gougy. Sulfides. Milky sludge.
215-220	Soft and gougy. Milky sludge.
220-225	Soft and gougy. Some quartz.

End of hole.

COORDINATES 21,317.1 N
19,704.1 E
ELEVATION 6,658.8

YELLOW PINE MINE - Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-16

BEARING S 86° 36' W
INCLINATION Plus 2°

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Mainly aplite; some altered granite	40	No sludge sample			BX
5 - 10	Mainly aplite to 7'; completely altered granite with fine-grained sulfides 7-10'	85	" " "			"
10 - 15	Completely altered granite with fine-grained sulfides	85	Tr	.065	.10	AX
15 - 20	" " " " " " " Minor stibnite	50	Tr	.145	.14	"
20 - 25	Completely altered aplite and granite. Fine-grained sulf.	90	Tr	.080	.09	"
25 - 30	" " " " " " " "	40	Nil	.140	.09	"
30 - 35	" " " " " " " "	35	Nil	.325	.15	"
35 - 40	" " " " " " " "	90	"	.080	.11	"
40 - 45	" " " " " " " "	80	"	.075	.10	"
45 - 50	" " granite. Fine-grained sulfides	90	"	.100	.22	"
50 - 55	" " " " " "	80	"	.225	.20	"
55 - 60	Completely altered granite & aplite. Fine-grained sulf.	15	"	.050	.09	"
60 - 65	Altered and brecciated granite with fine-grained sulfides to 62½'. Lamprophyre dike 62½ to 65'	50	"	.050	.13	"
65 - 70	Lamprophyre dike to 67½'. Altered and brecciated aplite and granite 67½ to 70'	60	"	.015	.07	"
70 - 75	Brecciated altered granite. Fault gouge	5	"	.015	.06	"
75 - 80	" " " " "	5	"	.005	.05	"
80 - 85	" " " " "	2	"	.005	.05	"

End of hole at 85 feet.

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

DIAMOND DRILL HOLE NO. DMA-16

Driller's Notes

Date Start: 7/26/54 Drillers: Manning, Sarnell

Finish: 7/27/54 Helpers: Ross, Smith

Footage	Remarks
0 - 5	Aplite
5 - 10	Aplite to altered granite
10 - 15	Altered granite. Bluish sludge.
15 - 20	Altered granite and gouge. Bluish sludge.
20 - 25	Altered granite. Bluish sludge.
25 - 30	Altered granite and gouge. Bluish sludge.
30 - 35	Altered granite. Bluish sludge.
35 - 38	Altered granite and quartz. Milky sludge.
38 - 40	Aplite. Milky sludge.
40 - 45	Altered granite. Greyish sludge.
45 - 50	Altered granite and aplite. Bluish sludge.
50 - 55	Altered granite. Slufides. Bluish sludge.
55 - 60	Altered granite and aplite. Very soft. Milky sludge.
60 - 62½	Altered granite and gouge. Very soft. Bluish sludge.
62½ - 65	Dike and gouge seams. Milky sludge.
65 - 70	Dike and altered granite. Gouge. Milky sludge.
70 - 75	Gouge. Very soft. Milky sludge.
75 - 80	No core. About 30 inches of gouge. Milky sludge.
80 - 85	No core. Gouge. Milky sludge.

End of hole.

MR-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

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 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:

$ 2558 16

Signature M. D. P.
(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 /s/ Webster S Anderson Title Mining Eng Date 8-4-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Eng 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.

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail

Contract Idm-E 173

June, 1954

Part I - Drifting and Crosscutting

Item 1 - 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)

1-104 [illegible]
1 [illegible] 8/5/54

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 Pandy

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

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)		
~~xxxxx~~ Drifting, actual	1'			37,644.24	1363	27.62		
Raising ~~xxxxx~~ XCutting, actual	1'			39,727.03	1540	25.80		
Shafts								
Winzes								
Drilling: Core Unit Cost	1'			13,940.00	2788	5.00	4000	5.00
Churn ~~xxxx~~ 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				5,576.76				
New Buildings, Improvements, etc.		67.50		2,415.29				
Assaying, Ventilation		~~4352.22~~		~~160,885.14~~				~~175,368.00~~
Total Costs								

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

Date 7/29/54 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.

Project is nearing completion. Payment on June 1954 MF-104 is being held up. Operator has asked for more money.

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

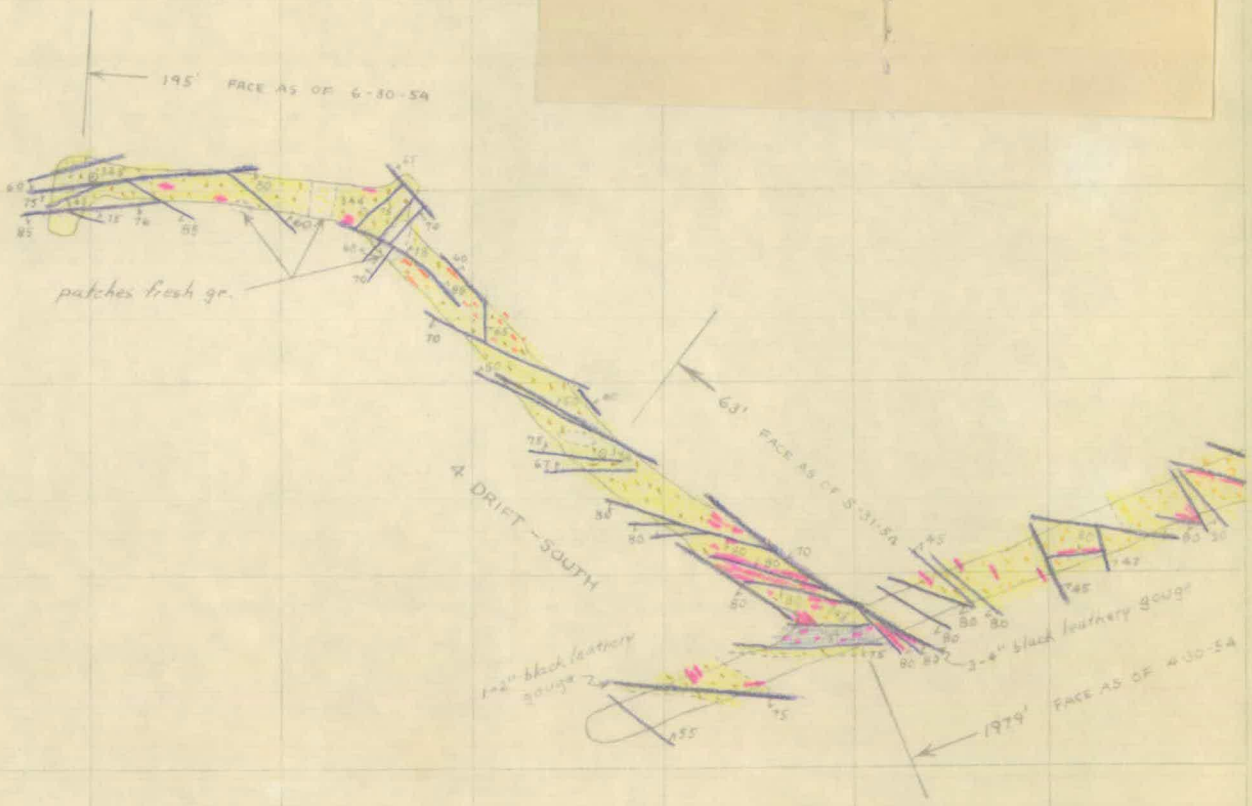
KGW/ja

21,400 N

19,600 E

LEGEND

- Fresh Granite
- Altered Granite
- Aplite
- Rhyolite Dike
- Lamprophyre Dike
- Sulfide Mineralization
- Scheelite
- Stibnite
- Fault



19,800 E

SHEET 15

D.M.A. TUNNEL
GEOLOGY

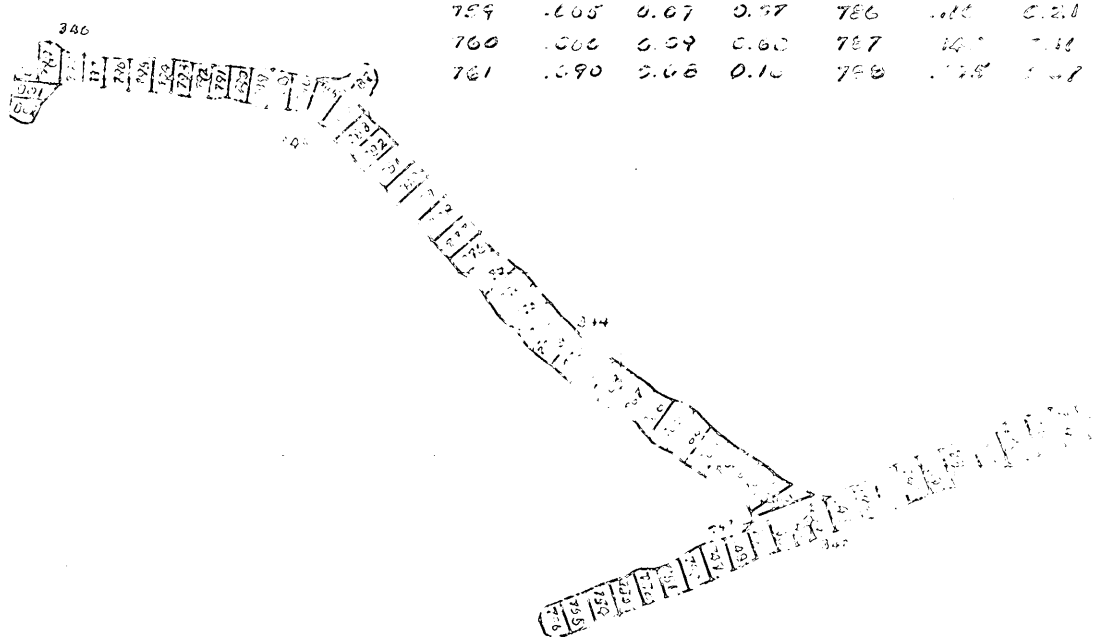
SCALE: 1" = 40'

No.	As oz/ton	Sb %	WO3 %
[illegible]	[illegible]	[illegible]	Nil
[illegible]	[illegible]	0.11	Nil
791	.005	0.12	Nil
792	.010	0.11	Nil
793	.075	0.10	Nil
794	[illegible]	0.14	Nil
795	[illegible]	[illegible]	Nil
796	.035	0.07	Nil
797	.095	[illegible]	Nil
798	.070	0.09	Nil
799	.060	0.07	Nil
800	.050	0.07	Nil
801	.030	0.06	Nil
802	.005	0.06	Nil

19,600 E

CAR SAMPLES

No.	Au oz/ton	Sb %	[illegible] %	Na	As oz/ton	Sb %	WO3 %
735	.005	0.10	Tr	1[illegible]2	[illegible]	[illegible]	[illegible]
736	.010	0.04	0.03	[illegible]	[illegible]	[illegible]	[illegible]
737	.010	0.07	Nil	[illegible]	[illegible]	[illegible]	[illegible]
738	.015	0.04	Tr	[illegible]	[illegible]	[illegible]	[illegible]
739	.020	0.11	0.03	[illegible]	[illegible]	[illegible]	[illegible]
740	.030	0.13	0.05	76[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.09	Nil	769	[illegible]	[illegible]	[illegible]
742	.01[illegible]	0.09	Nil	769	[illegible]	[illegible]	[illegible]
743	004	0.05	Nil	770	[illegible]	[illegible]	[illegible]
744	.050	0.07	0.07	771	[illegible]	[illegible]	[illegible]
745	.065	0.13	0.01	772	[illegible]	[illegible]	[illegible]
746	.040	0.15	0.07	773	[illegible]	[illegible]	[illegible]
[illegible]	.005	0.23	0.14	774	[illegible]	[illegible]	[illegible]
748	.025	0.10	Tr	775	[illegible]	[illegible]	[illegible]
749	.045	0.12	Tr	776	[illegible]	0.12	[illegible]
750	.045	0.20	Nil	777	.125	[illegible]	Nil
751	.035	0.12	Nil	778	.116	[illegible]	Nil
752	.025	0.08	Tr	779	.035	[illegible]	Nil
753	.015	0.05	[illegible]	780	.090	0.46	Nil
754	.005	0.01	Nil	781	[illegible]	0.35	Nil
755	Tr	0.06	Nil	782	[illegible]	[illegible]	Nil
756	.010	0.06	Nil	783	.090	[illegible]	Nil
[illegible]	[illegible]	[illegible]	[illegible]	784	[illegible]	[illegible]	Nil
758	[illegible]	0.14	0.07	785	.110	0.21	Nil
759	.005	0.07	0.07	786	.010	0.21	[illegible]
760	.005	0.09	0.60	787	[illegible]	[illegible]	Nil
761	.090	0.06	0.10	788	[illegible]	[illegible]	Nil



19,800 E

21,400 N

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
BUREAU OF MINES
JUN 28 1954
SPOKANE, WASH.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Idm-E173

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 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:

$ 3056.31

Signature MDP
(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)		
~~Drifting~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~XCutting~~ XCutting, actual	1'			39,727.03	1540	25.80		
Winzes								
Drilling: Core Unit Cost	1'			13,940.00	2788	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		3,992.58		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

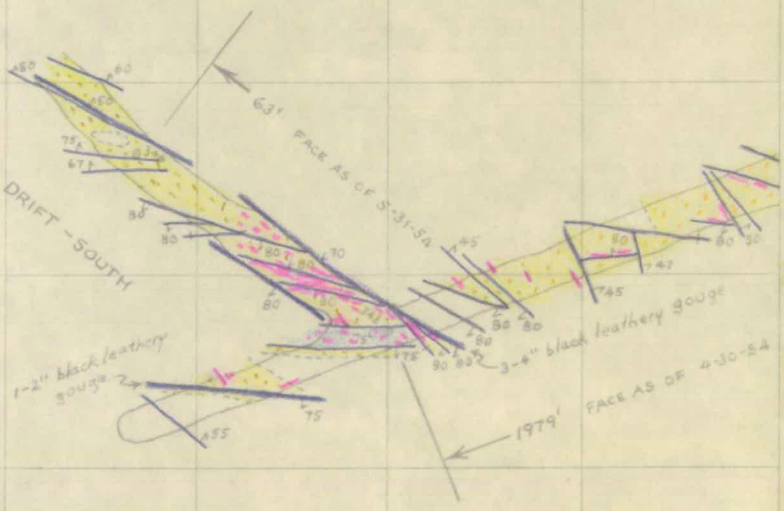
26	Antimony Assays	at	$1.50	$39.00	
26	Gold Assays	at	0.75	19.50	
12	Tungsten Assays	at	2.00	24.00	$82.50

(Above assay charge exceeds contract total estimated cost)

21,400 N

19,600 E

19,800 E



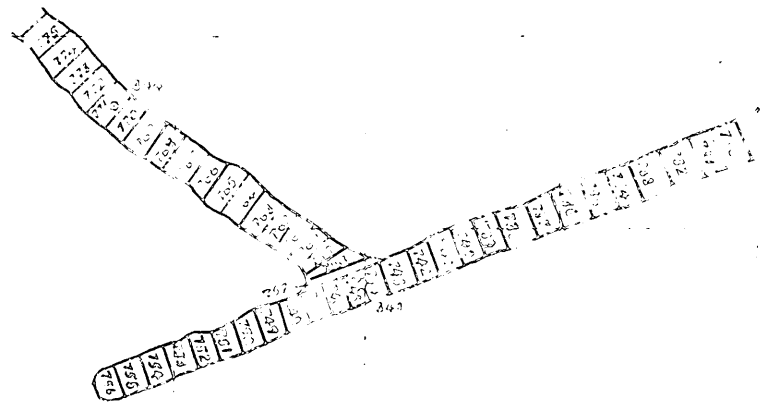
SHEET 15

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

No.	Au	Ag	Sb	No.	Au	Sb %	W%
735	.005	0.10	[illegible]	[illegible]	[illegible]	0.21	0.35
736	.010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
737	.010	[illegible]	Nil	764	[illegible]	0.25	1.14
738	.015	[illegible]	Tr	765	[illegible]	[illegible]	[illegible]
739	.020	0.1[illegible]	[illegible]	766	[illegible]	0.13	Tr
740	.035	0.13	0.05	767	[illegible]	0.37	Nil
741	[illegible]	0.09	Nil	768	[illegible]	0.39	Nil
742	[illegible]	0.09	Nil	769	[illegible]	[illegible]	Nil
743	.065	0.05	Nil	770	.125	0.12	Nil
744	.050	0.07	0.07	771	[illegible]	[illegible]	Nil
745	.065	0.13	0.01	772	.065	[illegible]	Nil
746	.040	0.15	0.07	773	[illegible]	[illegible]	Nil
747	[illegible]	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	[illegible]				
758	.080	0.14	0.07				
759	.065	0.07	0.07				
760	.060	0.09	0.05				
761	.090	0.08	0.10				

19,600 E



19,600 E

21,400 N

SHEET 15

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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

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

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

Month of 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	147547.19	152457.84

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 E 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:

$ 3682 99

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 6/2/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/2/54

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 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)		
~~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 ft	285.00	57	13,940.00	2788	5.00	4000	5.00
~~Core~~ 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 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

COPY

May 20, 1954

DMEA Progress Report for April, 1954

Contract Idm-E 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. DMA-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

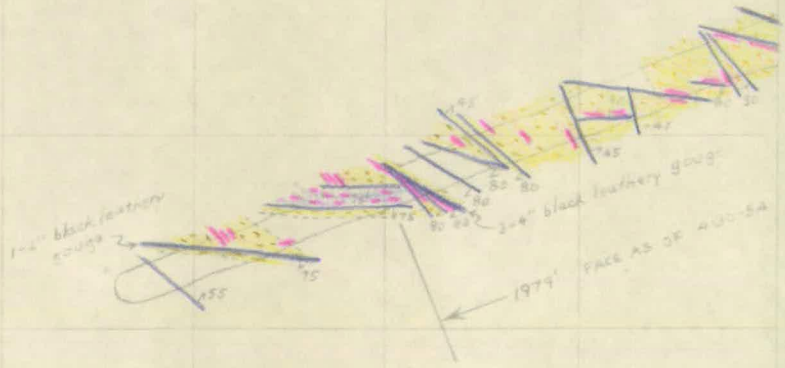
Item 1 - Unit Costs

Diamond Drilling	57 ft. at $5.00	$285.00

21,400 N

19,600 E

19,800 E



SHEET 15

D.M.A. TUNNEL
GEOLOGY

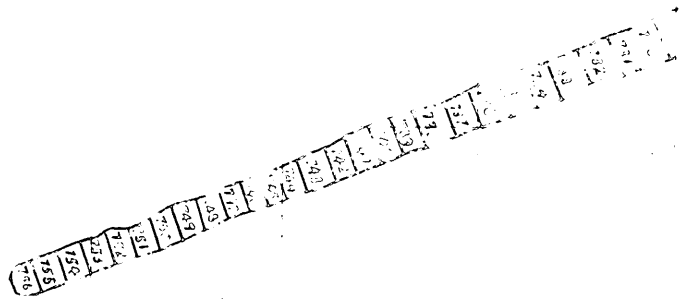
SCALE: 1" = 40'

CAR SAMPLES

No.	Au oz/ton	Sb %	WO3 %	No.	Au oz/ton	Sb %	WO3 %
735	.005	0.16	Tr				
736	.010	0.04	0.03				
737	.015	0.07	Nil				
738	.015	0.04	Tr				
739	.020	0.11	0.03				
740	.030	0.13	0.05				
741	.030	0.08	Nil				
742	.010	0.09	Nil				
743	.005	0.05	Nil				
744	.050	0.07	0.07				
745	.065	0.13	0.01				
746	.040	0.15	0.07				
747	.068	0.23	0.14				
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				

19,600 E

19,800 E



21,400 N

SHEET 15

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,731.1 N
19,731.1 E

ELEVATION: 6,651.8

DIAMOND DRILL HOLE NO. DMA-13

BEARING: S 59° 53' E
INCLINATION: Plus 2½°

Footage	Mineralogy	% Recovery	% WO_3	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	AX
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	% MoS_2	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	———		KX
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. DMA-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	Harder 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 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 343 ft.	1,715.00	11,940.00	13,655.00	1715.00		
Bulldozing						
Crosscutting		4,187.34	4,187.34			
Drifting 131 ft.	4,252.26	27,266.40	31,518.66	4252.26		
(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	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 [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:
$ 4642 88
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. 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)		
~~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 ft	1715.00	343	13,655.00	2731	5.00	4000	5.00
~~Shot~~ 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. Olerton 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: 0.28% antimony and 0.090 oz/ton gold were the highest assays reported.

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

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

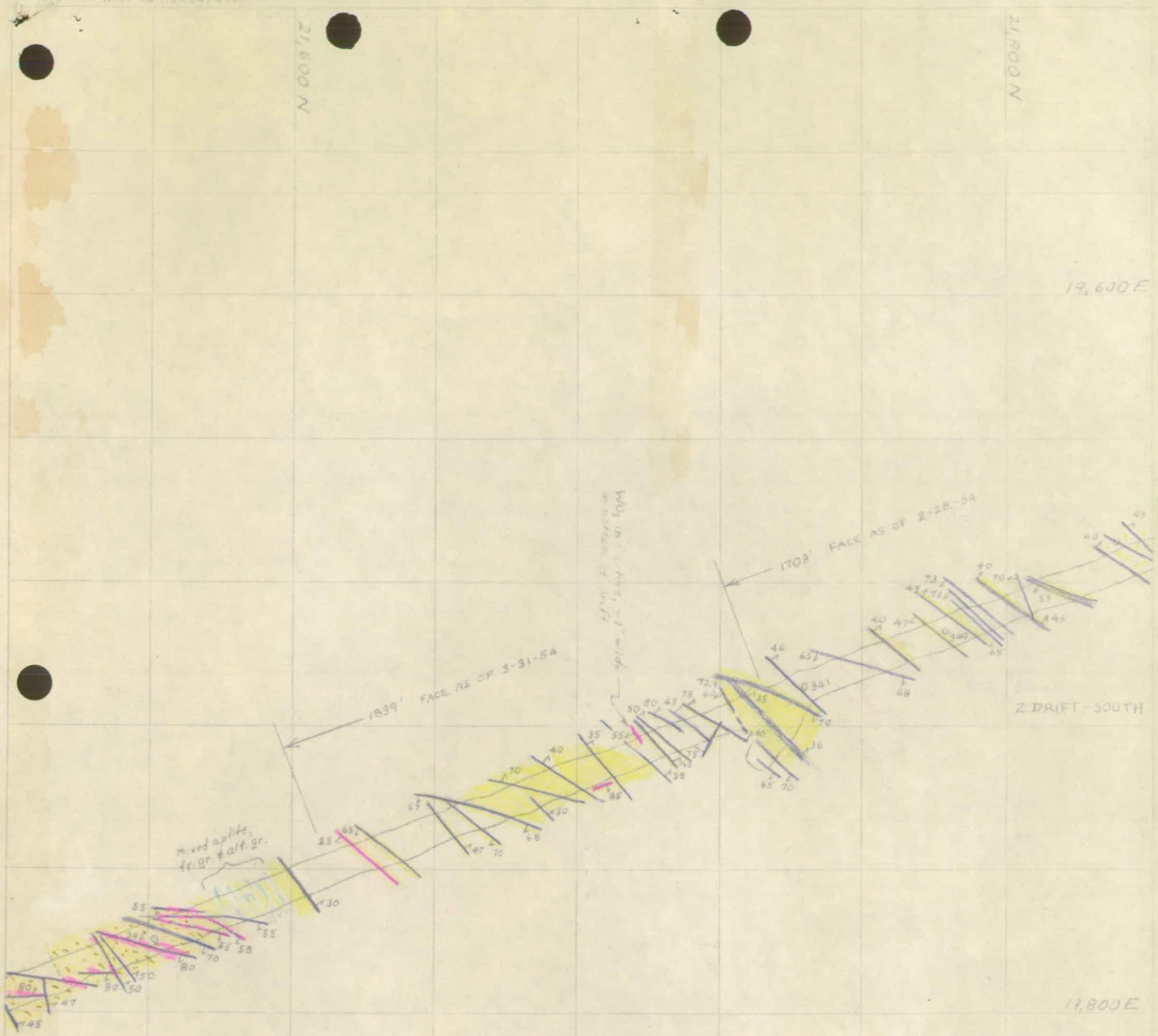
61	Antimony Assays	at	$1.50	91.50	
61	Gold Assays	at	$0.75	45.75	
10	Tungsten Assays	at	$2.00	20.00	223.25

(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



SHEET 14

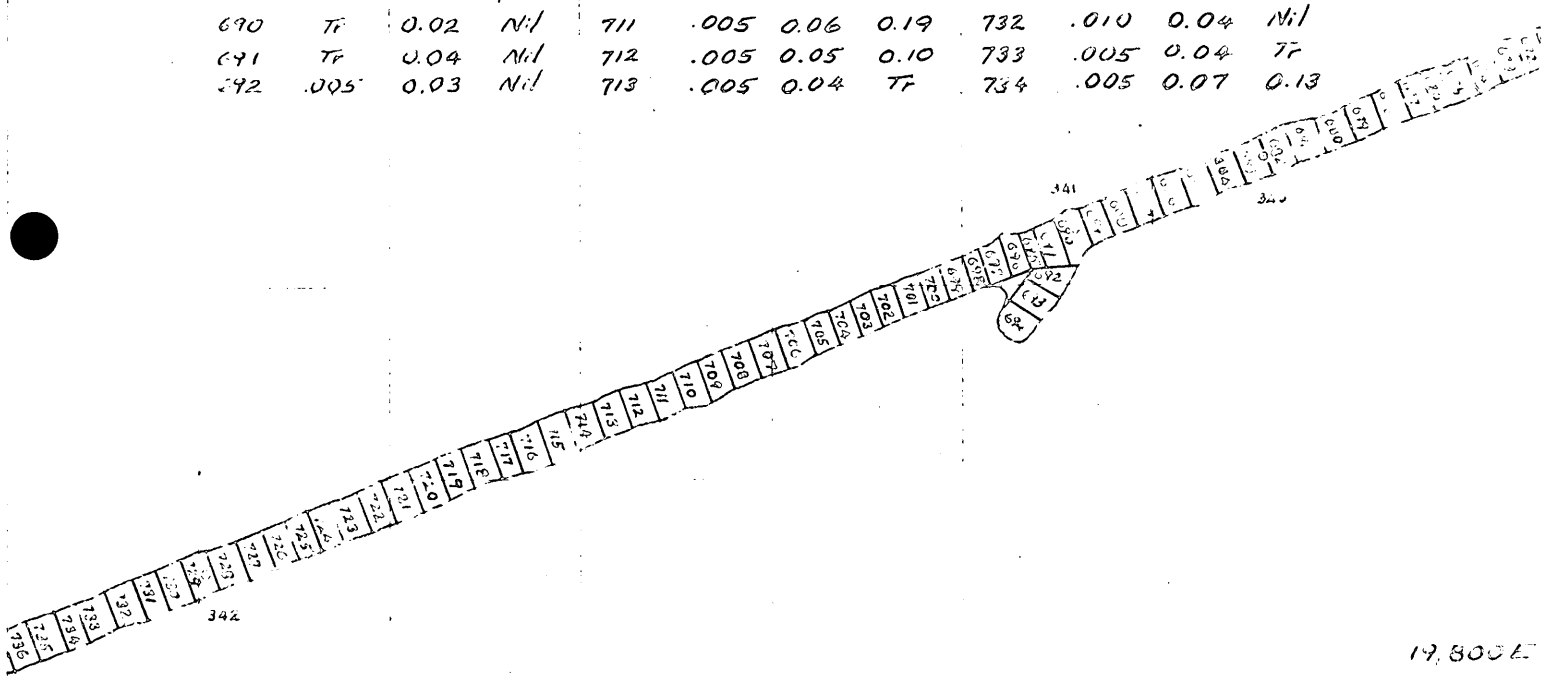
D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

CAR SAMPLES

No.	Au	Ag	Pb	Zn	No.	Au	Ag	Pb	Zn	No.	Au	Ag	Pb	Zn
672	[illegible]	0.02	Nil		693	.005	0.04	Nil		714	Tr	0.03	Nil	
673	Tr	0.01	Nil		694	Tr	0.03	Nil		715	.005	0.04	Tr	
674	Tr	0.02	Nil		695	.010	0.05	Nil		716	.015	0.05	Nil	
675	Tr	0.02	Nil		696	.005	0.03	Nil		717	Tr	0.05	0.35	
676	.005	0.01	Nil		697	.005	0.03	Nil		718	.005	0.13	0.07	
677	Tr	0.01	Tr		698	.005	0.03	Nil		719	.005	0.06	Tr	
678	.005	0.02	Nil		699	Tr	0.02	Nil		720	.020	0.04	Tr	
679	.005	0.02	Nil		700	Tr	0.03	Nil		721	.035	0.07	Tr	
680	.010	0.01	Nil		701	Tr	0.04	Nil		722	.035	0.09	Tr	
681	Tr	0.02	Nil		702	.005	0.02	Nil		723	.010	0.04	0.02	
682	Tr	0.01	Nil		703	.005	0.02	Tr		724	.010	0.04	Nil	
683	Tr	0.01	Nil		704	.005	0.03	0.09		725	.010	0.07	Nil	
684	.005	0.01	Nil		705	.025	0.03	Nil		726	.025	0.11	0.06	
685	.005	0.01	Nil		706	.025	0.04	Nil		727	.015	0.06	0.04	
686	Tr	0.01	Nil		707	.020	0.04	Tr		728	.015	0.05	Nil	
687	Tr	0.02	Nil		708	.020	0.05	0.06		729	.015	0.04	Nil	
688	Tr	0.03	Nil		709	.005	0.08	Tr		730	.010	0.05	Nil	
689	Tr	0.03	Nil		710	.005	0.06	Tr		731	.015	0.05	Tr	
690	Tr	0.02	Nil		711	.005	0.06	0.19		732	.010	0.04	Nil	
691	Tr	0.04	Nil		712	.005	0.05	0.10		733	.005	0.04	Tr	
692	.005	0.03	Nil		713	.005	0.04	Tr		734	.005	0.07	0.13	

19,600 E



19,800 E

21,000 N

21,500 N

D.M.A. TUNNEL
ASSAY MAP

SHEET 14

SCALE: 1" = 40'

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

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

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

Month of February, 1954 Docket No. DMEA1204X 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	137,219.47	141,356.68

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 [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:

$ 3102 91

Signature [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. E173 in accordance with the terms of the contract.

Signature 1st Stephen W Zoldok Title Mining Engr Date 3/24/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st 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 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 February 1954 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	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		
Drifting, actual	1 ft			37,644.24	1363	27.62		
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
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 G. A. Ostrom 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

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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

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

March 10, 1954

DMEA 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

BRADLEY MINING CO.

Stibnite, Idaho

Monthly Supporting Detail - Contract Idm-E 173

February, 1954

PART I -- Drifting and Crosscutting

Item 1 - Unit Costs

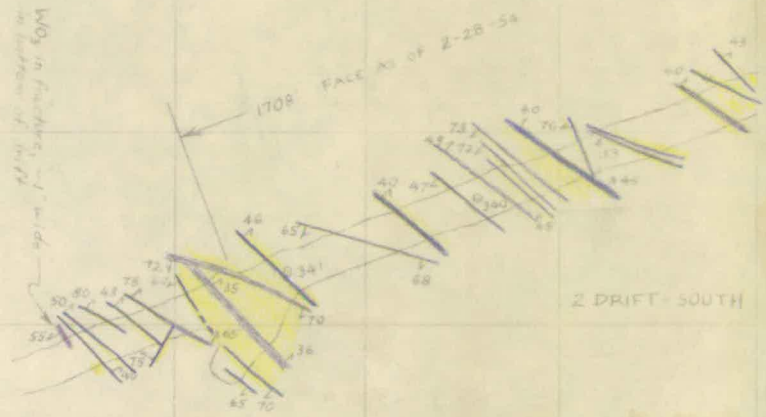
Drifting	100 ft. at $32.46	$3,246.00	
Crosscutting	26 ft. at $32.46	843.96	
			$4,089.96

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



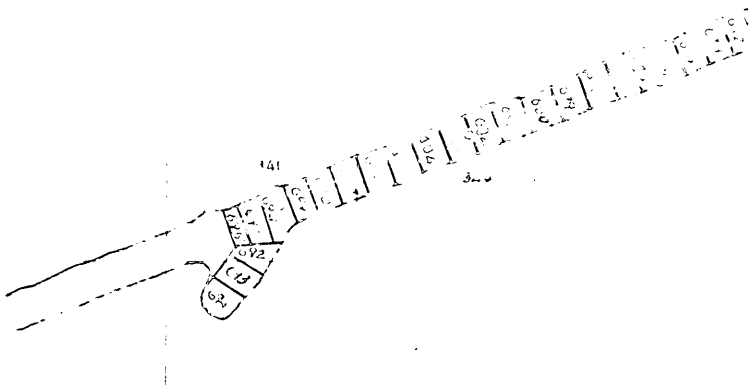
SHEET 14

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

[illegible]	[illegible]	[illegible]	Nil	[illegible]	[illegible]	0.04	Nil
[illegible]	[illegible]	[illegible]	Nil	674	Tr	0.03	Nil
674	Tr	0.02	Nil	[illegible]	[illegible]	0.05	Nil
675	Tr	0.02	Nil				
676	[illegible]	0.01	Nil				
677	Tr	0.01	Tr				
678	[illegible]	[illegible]	Nil				
679	[illegible]	0.02	Nil				
[illegible]	[illegible]	[illegible]	Nil				
681	Tr	0.02	Nil				
682	Tr	0.01	Nil				
683	Tr	0.01	Nil				
684	.005	0.01	Nil				
685	.005	0.01	Nil				
686	Tr	0.01	Nil				
687	Tr	0.02	Nil				
688	Tr	0.03	Nil				
689	Tr	0.03	Nil				
690	Tr	0.02	Nil				
691	Tr	0.04	Nil				
692	.005	0.03	Nil				

19 620 E



17 800 E

7 000 S

7 000 N

SHEET 14

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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.

RECEIVED
MAR 12 1954

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	133311.73	137219.47

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 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:

$ 2930 81

Signature [illegible]
(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 1st John A Bowsher Title Mining Engr Date 3/3/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok 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.

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
MAR 12 1954

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)		
~~XXXX~~ 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'			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

DMKA 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

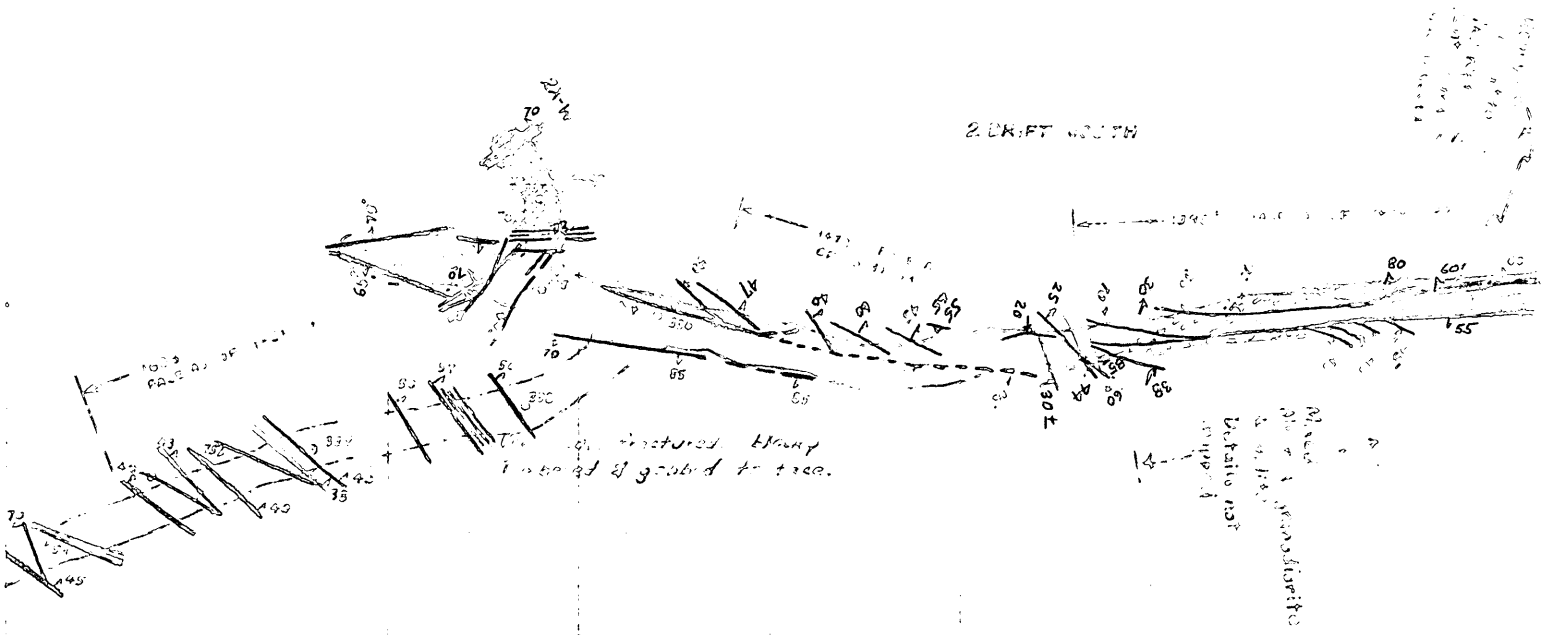
Drifting	119 ft. at $32.46		$3,862.74
Crosscutting	None		

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

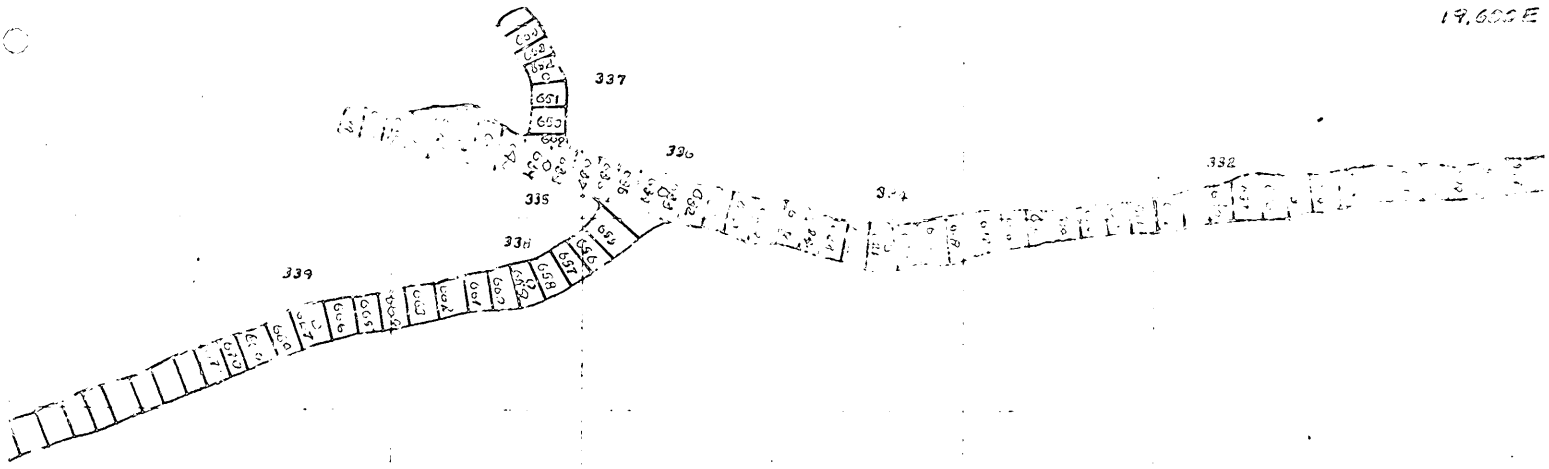
20 Antimony Assays at $1.50	$30.00	
20 Gold Assays at $0.75	15.00	
		$ 45.00



SHEET 13

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'



CAR SAMPLES

No.	Au oz/TON	Sb %	WO_3 %	No.	Au oz/TON	Sb %	WO_3 %	No.	Au oz/TON	Sb %	WO_3 %
597	[illegible]	0.04	Nil	621	.005	0.04	Nil	648	.125	0.07	Nil
598	.005	0.03	Nil	622	Tr	0.04	Nil	649	.065	0.15	
599	.010	0.02	Nil	623	Tr	0.07	Nil	650	.12[illegible]	0.27	
600	.010	0.05	Nil	624	Tr	0.08	Nil	651	.045	0.38	
601	.010	0.05	Nil	628	.00[illegible]	0.02	Nil	652	.005	0.01	
602	.010	0.02	Nil	629	.00[illegible]	0.04	0.04	653	.005	0.13	
603	.015	0.03	Nil	[illegible]	Tr	0.04	[illegible]	654	Tr	0.06	
604	.020	0.03	Nil	[illegible]	.005	0.03	Nil	655	.025	0.02	Nil
605	.010	0.04	[illegible]	632	Tr	0.04	Tr	656	.010	0.02	Nil
606	.005	0.04	Nil	633	.005	0.04	0.042	657	Tr	0.03	Nil
607	.005	[illegible]	Nil	634	.005	Tr	Tr	658	Tr	0.03	Nil
608	Tr	0.04	Nil	635	.010	0.01	Nil	659	.010	0.03	Nil
609	Tr	0.04	Nil	636	Tr	0.03	Nil	660	.020	0.03	Nil
610	Tr	0.03	Nil	637	Tr	0.04	Nil	661	.020	0.03	Nil
611	Tr	[illegible]	Nil	638	.010	0.15	Nil	662	.015	0.02	Nil
612	[illegible]	[illegible]	Nil	639	.000	0.08	Nil	663	Tr	0.04	Nil
613	[illegible]	[illegible]	Nil	640	.120	1.27	Tr	664	Tr	0.01	Nil
614	[illegible]	[illegible]	Nil	641	.35	[illegible]	Tr	665	Tr	0.02	Nil
615	[illegible]	[illegible]	Nil	[illegible]	[illegible]	[illegible]	Nil	666	Tr	0.02	Nil
616	[illegible]	[illegible]	Nil	643	[illegible]	[illegible]	Nil	667	Tr	0.02	Nil
617	[illegible]	[illegible]	Nil	644	[illegible]	[illegible]	Nil	668	Tr	0.01	Nil
618	[illegible]	0.12	Nil	645	[illegible]	[illegible]	Nil	669	Tr	0.02	Nil
619	[illegible]	0.03	Nil	646	[illegible]	[illegible]	Nil	670	Tr	0.02	Nil
620	Tr	0.03	Nil	647	.015	0.2	Nil	671	Tr	0.01	Nil

19,500 E

D.M.A TUNNEL

SHEET 13

ASSAY MAP

SCALE: 1" = 40'

w

January 12, 1954

Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Re: Docket DMEA 1284X
Contract Idm-S 173

Gentlemen:

Enclosed are five copies each of logs of the following diamond drill holes:

DMA-8

DMA-9

DMA-10

DMA-11

DMA-12

These holes were drilled under the subject contract in August, September and October, 1953.

Yours very truly

BRADLEY MINING CO.

K. G. Wallace

K. G. Wallace
Assistant Manager

KGW/ja

COORDINATES: 22,704.9 N
19,679.9 E

ELEVATION: 6,635.8

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-8

BEARING: S 89° 51' W

INCLINATION: Horizontal

Page 1

Footage	Mineralogy	% Recovery	% SO 3	Oz. Au	% Sb	Size Core
0 - 5	Rhyolite dike	80				NX
5 - 10	" "	38	.01	Tr	0.02	BX
10 - 15	10-12, Rhyolite dike; 12-15 altered granite, mineralized	84	Tr	0.035	0.06	"
15 - 20	Completely altered granite, mineralized with fine-grained sulfides	100	Nil	0.025	0.03	"
20 - 25	Completely altered granite, mineralized with fine-grained sulfides	75	Tr	0.015	0.04	"
25 - 30	Completely altered granite, mineralized with fine-grained sulfides	62	Nil	0.015	0.03	"
30 - 35	Completely altered granite, mineralized with fine-grained sulfides	78	Tr	0.020	0.09	"
35 - 40	Completely altered granite, mineralized with fine-grained sulfides	92	Nil	0.015	0.03	"
40 - 45	Completely altered granite, mineralized with fine-grained sulfides	98	Nil	0.020	0.03	"
45 - 50	Completely altered granite, mineralized with fine-grained sulfides	84	Nil	0.020	0.09	"
50 - 55	Completely altered granite, mineralized with fine-grained sulfides	96	.02	0.005	0.07	AX
55 - 60	Completely altered granite, mineralized with fine-grained sulfides	100	Tr	0.040	0.04	"
60 - 65	Brecciated, altered granite, mineralized with fine-grained sulfides	73	Nil	0.015	0.02	"
65 - 70	Brecciated, altered granite, mineralized with fine-grained sulfides	65	Tr	0.045	0.07	"
70 - 75	Brecciated, altered granite, mineralized with fine-grained sulfides	50	Nil	0.030	0.01	"
75 - 80	Brecciated, altered granite, mineralized with fine-grained sulfides	36	Nil	0.020	0.05	"
80 - 85	Brecciated, altered granite, mineralized with fine-grained sulfides	90	"	0.020	0.06	"
85 - 90	Brecciated, altered granite, mineralized with fine-grained sulfides. Aplite 89-90'	84	"	0.035	0.03	"

Footage	Mineralized	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
90 - 95	Brecciated, altered granite and aplite, mineralized with fine-grained sulfides	65	Nil	0.020	0.04	AX
95 -100	Altered aplite, some brecciation	60	"	0.015	0.03	"
100-105	" " " "	10	"	0.010	0.04	"
105-110	" " " "	10	"	Tr	0.04	"
110-115	110-111 aplite; 111-115, no core	3	Tr	0.005	0.03	"
115-120	Brecciated and altered granite and aplite	4	Nil	Tr	0.03	"
120-125	" " " " " "	48	"	0.005	0.02	BX at 121
1[illegible]-130	" " " " " "	9	"	Tr	0.04	"
1[illegible]-135	" " " " " "	7	"	0.005	0.07	"
135-140	" " " " " "	7	Tr	Tr	0.03	"
140-145	" " " " " "	8	Nil	Tr	0.02	"
145-150	" " " " " "	6	.01	Tr	0.03	"
150-155	" " " " " "	18	.03	Tr	0.02	"
155-160	Rhyolite dike, brecciated 155-160', sulfide smears in fractures	14	Tr	"	0.03	"
160-165	Rhyolite dike. Sulfide smears in fractures	73	Tr	"	0.02	"
165-170	" "	46	Nil	"	0.02	"
170-175	" "	67	Tr	"	0.03	"
175-180	" "	70	Nil	"	0.02	"
180-185	" "	8	"	"	0.02	"
185-190	" "	20	"	"	0.02	"
190-195	190-192, Rhyolite dike; 192-195, brecciated and altered granite	28	.02	"	0.02 ~~0.02~~	"
195-200	Brecciated and altered granite, streaks of sulfides	36	Tr	"	0.03	"
2[illegible]-205	" " " " " " "	18	Nil	"	0.02	"
205-210	" " " " " " "	8	"	"	0.02	"
210-215	" " " " " " "	32	"	"	0.02	"
215-220	" " " " " " "	8	"	"	0.02	"
220-225	" " " " " " "	20	"	"	0.01	"
225-230	Rhyolite dike, brecciated 225-228	10	"	"	0.02	"
230-235	Rhyolite dike	22	"	"	0.02	"
235-240	" "	13	"	"	0.02	"
240-245	240-242, Rhyolite dike; 242-245, aplite and altered granite	14	"	"	0.02	"
245-250	Aplite and altered granite	26	"	"	0.02	"
250-255	250-254, gouge; 254-255, breccia	9	"	"	0.03	"
255-260	Alternating granite, aplite and lamprophyre dike	5	"	"	0.02	"
260-265	Lamprophyre dike	32	"	"	0.03	"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
265-270	Lamprophyre dike	40	Nil	Tr	0.01	EX
270-275	" " - 271-272' gouge	12	"	"	0.01	"
275-280	" "	35	"	"	0.02	"
280-285	280-281 aplite; 281-285 no core	6	"	"	0.02	"
285-290	285-286, no core; 286-290 slightly altered granite	12	"	"	0.03	"
290-295	Fresh granite	32	"	"	0.02	"
295-300	" "	48	"	0.005	0.02	"
300-305	" "	25	"	Tr	0.03	"
[illegible]-310	" "	62	.02	Tr	0.02	"

End of hole at 310 feet

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

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 8/22/53 - Finished 8/30/53

COORDINATES: 22,377.0 N
19,615.1 E

ELEVATION: 6,639.1

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-9

BEARING: S 89° 17' W

INCLINATION: Horizontal

Page 1

Footage	Mineralogy	% Recovery	% WO 3	Gm. Au	% Sb	Size Core
0 - 5	Rhyolite dike	70	Nil	Tr	0.01	NX
5 - 10	" "	60	"	0.005	0.02	BX at 7'
[illegible] - 15	" "	78	"	0.010	0.02	"
[illegible] - 20	15-17, Rhyolite dike. 17-20 fault breccia, grey, fine-grained sulfide mineralization	46	"	0.010	0.02	"
20 - 25	Brecciated, completely altered granite. Fine-grained sulfides	17	"	Tr	0.03	"
25-30	Brecciated, completely altered granite. Fine-grained sulfides	8	"	0.005	0.03	"
30 - 35	Rhyolite dike	16	"	0.005	0.03	"
35 - 40	35-36 Rhyolite dike; 36-40 brecciated, alt. granite	40	"	0.005	0.03	"
40 - 45	Brecciated, completely altered granite	68	"	Tr	0.04	"
45 - 50	Completely altered granite and aplite; some brecciation	18	"	0.010	0.03	"
50 - 55	" " "	5	"	0.015	0.04	"
55 - 60	55-59 completely altered granite with fine-grained sulfides. Gouge and breccia at 59-60	37	"	Tr	0.05	"
60 - 65	Granite breccia and gouge	22	"	0.020	0.03	"
65 - 70	Sulfide-bearing altered granite	44	"	Tr	0.04	"
70 - 75	Completely altered granite with streaks of sulfides in and along fractures	94	"	0.015	0.02	"
75 - 80	Completely altered granite with streaks of sulfides in and along fractures	44	"	Tr	0.04	"
80 - 85	Rhyolite dike	4	"	Tr	0.04	AX at 80
85 - 90	" "	26	"	Tr	0.05	"
90-95	" "	70	"	0.005	0.04	"
95 -100	" "	52	"	Tr	0.02	"
100-105	" "	36	"	Tr	0.03	"
105-110	" "	70	"	0.015	0.05	"
110-115	" "	68	"	0.015	0.09	"
115-120	" "	30	"	Tr	0.02	"
120-125	" "	28	"	Tr	0.03	"
125-130	125-126, Rhyolite dike. 126-130 granite fault breccia and gouge	35	"	Tr	0.03	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
130-135	Granite fault breccia and gouge. Fine-grained sulfides	80	Nil	0.025	0.09	AX
135-140	Granite fault breccia and gouge. Brecciated lamprophyre and rhyolite at 134-136	30	Tr	0.030	0.10	"
140-145	Granite fault breccia & gouge. Fine-grained sulfides	44	Nil	0.015	0.09	"
145-150	" " " " " " " "	82	"	0.015	0.06	"
150-155	" " " " " " " "	50	"	0.015	0.05	"
155-160	" " " " " " " "	75	"	0.010	0.05	"
[illegible]-165	" " " " " " " "	40	"	0.020	0.06	"
[illegible]-170	" " " " " " " "	74	"	0.015	0.05	"
170-175	" " " " " " " "	58	"	0.010	0.05	"
175-180	" " " " " " " "	60	"	0.010	0.05	"
180-185	" " " " " " " "	70	"	0.005	0.04	"
185-190	Altered granite, brecciated. Stringers of black sulfides	66	"	0.010	0.06	"
190-195	Altered granite, fault breccia and gouge	2	"	0.005	0.06	"
195-200	Fault breccia, sericitized. Altered granite	40	"	Tr	0.06	EX at 199
200-205	Altered and brecciated granite, aplite at 200'	6	"	0.005	0.02	"
205-210	Aplite, brecciated. Stringers of sulfides	3	"	Tr	0.04	"
210-215	Altered and brecciated granite	4	"	Tr	0.06	"
215-220	No core	0	"	Tr	0.03	"
220-225	Fresh granite and gouge	4	"	Tr	0.05	"
225-230	Fresh granite	2	"	Tr	0.02	"
230-235	Altered granite (50% alt.)	1	"	Tr	0.03	"
235-240	" " " "	4	"	Tr	0.03	"
[illegible]-245	Partially altered granite (25% alt.)	2	"	0.005	0.03	"
245-250	" " " " "	1	"	0.005	0.03	"
250-255	No core	0	"	0.005	0.04	"
255-260	" "	0	"	Tr	0.03	"
260-265	Partially altered granite (25% alt.)	8	"	Tr	0.04	"
265-270	Essentially fresh granite	13	"	Tr	0.05	"
270-275	Fresh granite. Stained with iron oxide in places	35	"	Tr	0.05	"

End of hole at 275 feet.
Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 8/31/53 - Finished 9/7/53

COORDINATES 22,246.7 E

19,644.5 N

ELEVATION 6,641.1

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-10

BEARING S 74° 00' E

INCLINATION Horizontal

Page 1

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Some brecciated areas. Fine grained sulfides	95	Nil	.055	.10	NX
[illegible] - 10	Completely altered granite. Fine grained sulfides	100	Tr	.020	.10	BX
10- 15	" " " " " "	55	Nil	.005	.04	"
15 - 20	" " " " " "	95	"	.030	.05	"
20 - 25	" " " " " "	65	"	.035	.06	"
25 - 30	" " " and aplite. Minor fine grained sulfides	35	"	.020	.04	"
30 - 35	Completely altered granite and aplite. Minor fine grained sulfides	70	"	.015	.03	"
35 - 40	Completely altered granite and aplite. Minor fine grained sulfides	75	"	.015	.03	"
40 - 45	Altered granite. (75% alt.)	70	"	.010	.02	"
45 - 50	" " " "	80	"	.010	.09	"
50 - 55	Completely altered granite. Some brecciated areas. Fine grained sulfides	100	"	.030	.11	"
55 - 60	Altered granite to 57'. Fresh granite 57 to 60'	60	"	.005	.04	"
60 - 65	Fresh granite	75	"	.005	.03	"
[illegible] - 70	Fresh granite, very minor alteration in places	95	"	Tr	.03	"
70 - 75	" " " " " " "	65	"	Tr	.05	"
75 - 80	Granite, about 50% altered	55	"	Tr	.06	"
80 - 85	Fresh granite	60	"	Tr	.04	NX
85 - 90	" " , minor alteration in places	70	"			"
90 - 95	" "	100	"			"
95 -100	Aplite 95 to 99'. Fresh granite 99 to 100'	75	"	.005	.05	"
100-105	Aplite	75	"			"
105-110	Aplite and partially altered granite (25% alt.)	95	"			"
110-115	Aplite to 112'. Altered granite (75% alt.) 112-115'	90	"			"
115-120	Altered granite (75% alt.) to 118. Fresh granite 118 to 120'.	55	"			"
120-125	Fresh granite	90	"	.005	.07	"
125-130	" " , minor aplite	100	"			"
130-135	" "	80	"			"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
135-138	Fresh granite.	100	-----no sludge------			AX

End of hole at 138'

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

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 9/8/53 - Finished: 9/11/53.

COORDINATES 21,906.7 N
19,631.8 E
ELEVATION 6,646.6

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-11

BEARING: S 57° 15' E
INCLINATION: Horizontal

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Fine-grained sulfides	20	Nil	.045	.03	BX
5 - 10	" " " " " "	20	"	.010	.02	BX
10 - 15	" " " " " "	90	"	.005	.03	"
15 - 20	Altered granite (75% altered)	100	"	.005	.08	"
20 - 25	Completely altered granite. Some areas of brecciation. Fine-grained sulfides	70	"	.030	.03	"
25 - 30	Completely altered granite and aplite. Fine-grained sulfides	70	"	.005	.03	"
30 - 35	Completely altered granite and aplite. Fine-grained sulfides	45	"	.010	.03	"
35 - 40	Completely altered granite and aplite. Fine-grained sulfides. Some brecciation.	35	"	.005	.03	"
40 - 45	Altered granite (75% alt.)	50	"	.005	.03	"
45 - 50	Essentially fresh granite (20% alt.)	75	"	.005	.03	"
50 - 55	Partially altered granite (50% alt.)	50	"	.005	.03	"
55 - 60	Essentially fresh granite (20% alt.)	65	"	Tr	.03	"
60 - 65	Partially altered granite (50% alt.)	90	"	.005	.03	"
65 - 70	Essentially fresh granite (20% alt.). Some aplite	55	"	.005	.03	"
70 - 75	" " " " " " "	95	"	.005	.03	"
75 - 80	" " " " " " "	55	"	.010	.02	AX from 79'
80 - 85	" " " " " " "	90	"	.005	.02	"
85 - 90	" " " " "	70	"	.005	.02	"
90 - 95	Fresh granite.	50	"	.005	.02	"
95 -100	" "	95	"	.010	.02	"
100-105	Fresh granite and aplite	95	"	.010	.02	"
105-110	" "	55	"	.005	.02	"
110-115	" "	35	"	Tr	.02	"
115-120	" " , some aplite	100	"	.005	.02	"
120-125	" " " "	75	"	Tr	.02	"
125-130	" " , minor aplite	70	"	.005	.01	"
130-135	" " " "	50	"	Tr	.01	"
135-140	" "	95	Tr	Tr	.02	"

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
140-145	Altered granite (75% alt.) Fine-grained sulf.140-141'	95	Nil	.005	.04	AX
145-150	" " " " to 148'. Fresh granite 148 - 150'	50	"	.010	.04	"
150-155	Fresh granite	95	"			"
155-160	" "	80	"			"
160-165	" "	75	"	TR	.02	"
165-170	" " , some aplite	40	"			"
170-175	" "	75	"			"
[illegible]-180	" "	30	"			"
180-185	Partially altered granite (50% alt.)	30	"			"
185-190	" " " " "	35	"	Tr	.03	"
190-195	Fresh fine-grained granite and aplite	35	"			"
195-200	Aplite to 198, fresh granite to 200'	65	"			"
200-205	Fresh granite	80	"			"
205-210	Fresh granite and aplite. Minor patches of alteration	45	"			"
210-215	" " " "	55	"	TR	.01	"
215-220	" "	40	"			"
220-225	" "	40	"			"
225-230	" "	100	"			"
230-235	" " " "	80	"			"
235-240	Altered granite (50% alt.) to 238'. Fresh granite to 240'	45	"	Tr	.01	"
[illegible]-245	Fresh granite, some aplite	60	"			"
245-250	" " " "	40	"			"
250-255	" " " "	90	"			"
255-260	" " " "	100	"			"
260-265	" " " " , patch of alt. at 263'	100	"	Tr	.02	"
265-270	" " " "	100	"			"
270-275	" " " "	100	"			"
275-280	" " " "	100	Tr	.005	.03	"
280-285	" " " "	100	"	Tr	.03	"
285-290	Fresh granite to 287', partially altered granite (50% alt.) to 290	70	"	.005	.05	"
290-295	Altered granite (75% alt.). Some areas of brecciation	20	Nil	.005	.05	"
295-300	Partially altered granite (50% alt.)	60	"	Tr	.05	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
300-305	Altered granite (75% alt.)	20	Tr	.005	.04	AX
305-310	Completely altered granite	30	"	.020	.02	"
310-315	Altered granite (75% alt.)	15	"	.015	.05	"
315-320	Completely altered granite. Gouge and breccia 315-316'	55	Nil	.025	.05	"
320-325	Completely altered granite. Fine-grained sulfides. Crystal of scheelite (1/2 x 1/4 x 1/4") at 325'.	95	.06	.035	.15	"
325-330	Altered granite (75% alt.) Fine-grained sulfides	90	.03	.025	.09	"
330-335	Completely altered granite (except 331-332 fresh). Fine grained sulfides	85	.11	.030	.07	"
3[illegible]-340	Completely altered granite, fine-grained sulfides	85	.10	.030	.04	"
340-345	Aplite 340-342; completely altered granite, fine-grained sulfides 342-345	60	.03	.030	.04	"
345-350	Altered granite, patches of fresh granite and aplite	70	.03	.025	.06	"
350-355	Completely altered granite	30	.06	.025	.06	"
355-360	Altered granite (75% alt.) to 357. Aplite 357-360'	90	.06	.020	.05	"
360-365	Aplite to 364'. Altered granite 364-365'	45	.04	.020	.05	"
365-370	Altered granite (75% alt.) Fine-grained sulfides	75	.03	.015	.03	"
370-375	Partially altered granite (20% alt.)	80	Tr	.005	.05	"
375-380	Partially altered granite (25% alt.)	100	.02	.010	.05	"
380-385	Completely altered granite. Aplite 384-385'. Fine-grained sulfides. Many small specks of scheelite 381'	100	.03	.020	.06	"
385-390	Completely altered granite. Fine-grained sulfides	55	Tr	.040	.05	"
390-395	Aplite 390-392'. Altered granite (75% alt.) 392-395'. Fine-grained sulfides	55	.02	.030	.02	"
395-400	Completely altered aplite and granite. Fine-grained sulfides	45	Tr	.035	.05	"
400-405	Completely altered granite. Fine-grained sulfides	35	Tr	.035	.04	"
405-410	" " " " " "	70	.02	.025	.05	"
410-415	" " " " " "					
	Brecciated 410-413'. Several stringers	(sludge)	85	.22	.075	.11	"
	scheelite up to 1/4" thick from 413-414'	(core)		1.56	.135	.07	"
415-420	Completely altered granite. Fine-grained sulfides	(sludge)	60	.31	.025	.04	"
		(core)		.01	.020	.05	

Footage	Mineralogy		% Recovery	% WO_3	Oz. Au	% Sb	Size Core
420-425	Completely altered granite. Fine-grained sulfides. Several small spots of scheelite at 424'.	(sludge)	70	.02	.025	.06	AX
		(core)		.05	.085	.07	
425-430	Completely altered granite. Fine-grained sulfides. Minute stringer and several ~~small specks~~ crystals of scheelite up to 1/8" dia. at 426'. Same at 427'. Small specks to 429', 1/8" stringer at 429'.	(sludge)	100	.08	.045	.08	"
		(core)		.32	.100	.03	"
430-435	Completely altered granite. Fine-grained sulfides. Some aplite. Small amount of scheelite at 430'. Several 1/8" dia. crystals of scheelite at 434'	(sludge)	100	.03	.025	.05	"
		(core)		.19	.040	.09	
435-440	Completely altered granite. Fine-grained sulfides. Many small crystals of scheelite up to 1/16" dia. at 436'	(sludge)	40	.06	.025	.05	"
		(core)		.01	.055	.07	
440-445	Completely altered granite. Fine-grained sulfides		35	.02	.015	.04	"
445-450	" " " " " "		45	.01	.025	.07	"
450-455	" " " " " "						
	Brecciated at 455'		50	Tr	.020	.06	"
455-460	Partially altered granite (50% alt.)		45	Tr	.020	.05	"
460-465	Essentially fresh granite, patches of alteration		75	Tr	.025	.04	"
465-470	Aplite 465-468'. Fresh granite 468-470'.		85	Tr	.025	.05	"
470-475	Essentially fresh granite. Minor patches of alteration		75	Tr	.020	.05	"
475-480	Fresh granite. Aplite 476-478'		90	.03	.015	.13	"
480-481	Aplite		60		.020	.04	"

End of hole at 481 ft.

Note: All assays are sludge assays unless otherwise indicated. Trace and Nil values of WO_3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 9/14/53; finished: 9/29/53

COORDINATES 21,914.1 N
19,603.7 E
ELEVATION 6,646.6

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-12

BEARING N 82° 23' W
INCLINATION Horizontal
Page 1

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Granite and aplite fault gouge and breccia. Completely altered	35	------no sludge-----			NX
[illegible] - 10	Granite and aplite fault gouge from 5 to 7'. Lamprophyre dike 7 to 8'. Granite gouge 8 to 10'	45	Nil	.010	.03	BX from 8'
10-15	Lamprophyre dike 10-12'. Granitic gouge and breccia 12-14'. Rhyolite dike 14-15'	80	.13	.015	.03	BX
15 - 20	Rhyolite dike	40	.06	.010	.04	"
20 - 25	" "	25	Nil	.005	.03	"
25 - 30	" "	25	.07	.005	.03	"
30 - 35	" "	20	Tr	.010	.04	"
35 - 40	" " to 38'. Gouge and breccia to 40'	20	Nil	.015	.03	"
40 - 45	Completely altered granite	20	.04	.010	.03	"
45 - 50	" " "	15	Tr	.010	.02	"
50 - 55	" " "	10	.07	.015	.02	"
55-60	" " "	5	Tr	Tr	.03	"
60 - 65	" " "	5	.05	Tr	.02	"
65 - 70	" " "	5	Tr	.005	.05	"
[illegible] - 75	" " " Gouge and breccia	10	Tr	Tr	.03	"
[illegible] - 80	" " " " " "	5	Nil	.005	.04	"
80 - 85	" " " " " "	5	Nil	Tr	.04	"
85 - 90	" " " " " "	10	Tr	.005	.03	"
90 - 95	" " " " " "	35	Nil	.005	.03	"
95 - 100	" " " Brecciated	50	Tr	.005	.04	AX from 99'
100-105	" " " Gouge and breccia to 104'					
	Rhyolite dike to 105'	45	Nil	.005	.03	AX
105-110	Rhyolite dike	5	Nil	Tr	.04	"
110-115	" "	40	.08	Tr	.03	"
115-120	" "	15	Nil	Tr	.03	"
120-125	" "	10	Nil	Tr	.03	"
125-130	" "	5	Nil	Tr	.04	"
130-135	" "	35	Nil	Tr	.04	"
135-140	" "	15	Tr	Tr	.04	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
140-145	Rhyolite Dike	10	Tr	Tr	.02	AX
145-150	" "	45	Tr	.005	.05	"
150-155	" "	35	Tr	.005	.04	"
155-160	" "	5	Nil	.005	.03	"
160-165	" " to 163'. Completely altered granite and aplite to 165'	35	Tr	Tr	.03	"
165-170	Completely altered granite and aplite with brecciation and gouge	55	Nil	.005	.03	"
[illegible]-175	Completely altered granite and aplite with brecciation and gouge	55	Nil	.005	.03	"
175-180	Completely altered granite and aplite with brecciation and gouge	75	Tr	Tr	.03	"
180-185	Completely altered granite and aplite with brecciation and gouge	30	.01	Tr	.04	"
185-190	Completely altered granite and aplite with brecciation and gouge	60	.05	Tr	.05	"
190-195	Completely altered granite and aplite with brecciation and gouge	35	Tr	Tr	.03	"
195-200	Rhyolite dike	10	Tr	.005	.02	"
200-205	" "	20	Nil	Tr	.04	"
205-210	" "	40	Nil	Tr	.06	"
210-215	" "	40	Nil	Tr	.04	"
215-220	" "	15	Tr	.005	.04	"
220-225	" "	10	Nil	.005	.01	"
[illegible]-230	" "	30	Tr	.005	.06	EX from 229'
230-235	" " Brecciated 229-234'	5	Tr	Tr	.05	EX
235-240	" "	10	Tr	Tr	.03	"
240-245	" "	10	Nil	Tr	.06	"
245-250	Completely altered granite and aplite. Some brecciation	10	Nil	.005	.02	"
250-255	" " " " " " "	35	Nil	Tr	.05	"
255-260	" " " " " " "	10	Nil	Tr	.02	"
260-265	" " " " " " "	15	Nil	Tr	.20	"
265-270	" " " " " " "	50	Nil	Tr	.03	"
270-275	" " " " " " "	10	Nil	Tr	.02	"
275-280	No core recovery	0	Nil	Tr	.03	"
280-285	" " "	0	Nil	Tr	.02	"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
285-290	Lamprophyre dike	50	Tr	Tr	.02	EX
290-295	Lamprophyre dike to 292'. Essentially fresh granite to 295'	25	Nil	.005	.01	"
295-300	Essentially fresh granite and aplite	10	----no sample-------			"
300-304	Fresh granite	30	Nil	Tr	.02	"

End of hole at 304 feet

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

Hole drilled by Nichols and Thompson Core Drilling Co.
Date started: 9/29/53 Finished: 10/5/53

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January 19, 1954

DMEA Progress Report for December, 1953

Contract Idm-E 173 DMEA-1284

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

December 11, 1953

Defense Minerals Administration

DMEA-1284

DMEA Progress Report for November, 1953

Contract Idm-# 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 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:

$ 776.44

Signature
(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. E 173 in accordance with the terms of the contract.

Signature 1st John A Bowsher Title Mining Engr Date Jan 5, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Thomas E Howard Title Mining Engr Date Jan 6, 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
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~~ Drifting, actual	1 ft			37,644.24	1363	27.62		
~~Sinking~~ 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
~~Other~~ Actual	1 ft			3,496.12	1281	2.73		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		950.00		116,308.43				TOTAL COSTS AUTHORIZED BY CONTRACT
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

DMKA 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

K. G. Wallace, Assistant Manager

KGW/ja

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

Contract Idm-X 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 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.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 12841 Contract No. Ide-S 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. Clinton 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)

(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 Jan 5-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok 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 195 3 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 XCutting, 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 DISTRIBUTED COSTS		5,015.00		115,358.43				TOTAL COSTS AUTHORIZED BY CONTRACT
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 5476.25		2,140.98		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. Clayton 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 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

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
NOV 2 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 1284X Contract No. Idm-B 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			
(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	2140.98	124,659.25	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 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:

$ 1605-73

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

Signature /S/ John A Bowsher Title Mining Engr 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
OCT 20 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 128hx 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)		
Crosscutting Unit Cost	1 ft.	421.98	13	3,343.38	103	32.46)	1500	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
Core 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-S 173

August, 1953

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2 0 1953

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

COPY

BUNKER HILL & SULLIVAN MINING & CONCENTRATING CO.
YELLOW PINE MINING CO.
KELLOGG, IDAHO

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 1953)

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

11/23/53-db.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals 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: 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		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			6213.23
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	13.50	758.25	771.75			
Payroll Taxes *		560.24	560.24	126		559.98
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	970.93	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 L. C. Norton 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:

$ 728.20 GRB

Signature GRB
(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. F-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
RECEIVED
OCT 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)		
Crosscutting Unit Cost	1 ft.	973.80	30	2,921.40	90	32.46)	1500	32.46
~~xxxx~~ Drifting, actual	1'			37,644.24	1363	27.62		
~~xxxx~~ Crosscutting, ~~xxxx~~ actual	1 ft.			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1 ft.			4,400.00	880	5.00	4000	5.00
~~xxxx~~ 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. 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

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-E 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

RECEIVED
20 1953

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			.15
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.

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

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

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

Month of June, 1953 Docket No. DMEA 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. 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:

$ 3281 88

Signature [illegible]
(Authorized Certifying Officer)

Date 8/27/53 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. E173 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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 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.	2,564.34	79	20,157.66	621	32.46)	1500	
Crosscutting Unit Cost	1 ft.			1,947.60	60	32.46)		
~~Raising~~ ~~XXXX~~ 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	
~~Other~~ 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 S 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

August 17, 1953

U.S.D.A. Progress Report for June, 1953

Contract AdM-s 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 DDA-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 DDA-7 was collared in altered granite, and continued in altered granite to 60 feet. Low gold and antimony values were present in this section. The remainder of the hole was in predominantly fresh granite and aplite.

BEABLEY 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, 1953

Part I - Drifting and Crosscutting

Item I - Unit Costs

Drifting	79 ft. at $32.46	$2,564.34
Crosscutting	None	

Item 7 - Miscellaneous

Sampling and Analysis

Car Samples

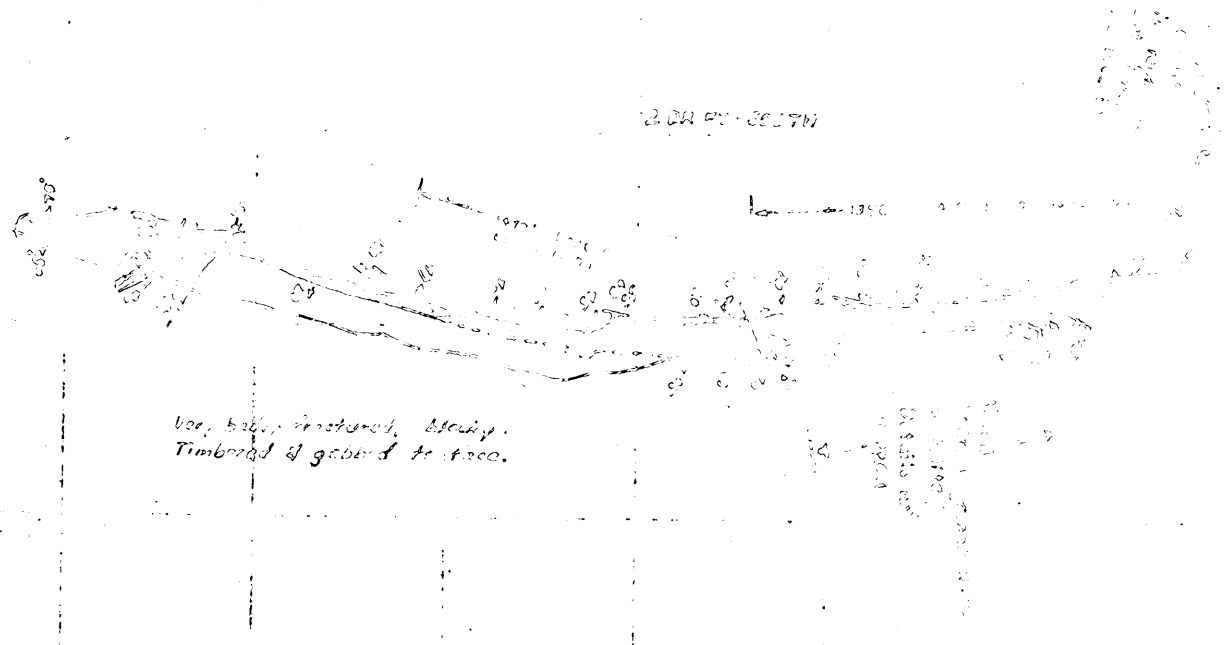
17 Antimony Assays at $1.50	$25.50	
17 Gold Assays at $0.75	12.75	
1 Tungsten Assay at $2.00	2.00	

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



SHEET 13

D.M.A. TUNNEL
GEOLOGY

CAR SAMPLES

No	Au oz/ton	Sb %	WO_3 %	No	Au oz/ton	Sb %	WO_3 %	No	Au oz/ton	Sb %	WO_3 %
597	[illegible]	0.04	Nil	621	.005	0.04	Nil	648	.125	0.07	[illegible]
598	[illegible]	0.03	Nil	622	Tr	0.04	Nil				
599	.010	0.02	Nil	623	Tr	0.01	Nil				
600	[illegible]	0.01	Nil	624	Tr	0.08	Nil				
601	[illegible]	0.05	Nil	[illegible]	.005	0.01	Nil				
602	[illegible]	0.02	Nil	[illegible]	[illegible]	0.08	[illegible]				
603	[illegible]	0.03	Nil	[illegible]	Tr	0.04	[illegible]				
604	.020	0.03	Nil	[illegible]	[illegible]	0.03	Nil				
[illegible]	.010	[illegible]	[illegible]	632	Tr	0.04	Tr				
606	[illegible]	[illegible]	Nil	633	.005	0.04	0.02				
607	[illegible]	[illegible]	Nil	634	.005	Tr	Tr				
608	Tr	[illegible]	Nil	635	.010	0.01	Nil				
[illegible]	Tr	[illegible]	Nil	636	Tr	0.03	Nil				
[illegible]	Tr	[illegible]	Nil	637	Tr	0.04	Nil				
[illegible]	Tr	[illegible]	Nil	638	.010	0.15	[illegible]				
[illegible]	[illegible]	[illegible]	Nil	639	.000	0.08	Nil				
[illegible]	[illegible]	[illegible]	Nil	[illegible]	.120	1.27	Tr				
[illegible]	[illegible]	[illegible]	Nil	641	[illegible]	0.36	Tr				
[illegible]	[illegible]	[illegible]	Nil	642	[illegible]	.27	Nil				
[illegible]	[illegible]	[illegible]	Nil	643	[illegible]	[illegible]	Nil				
[illegible]	[illegible]	[illegible]	Nil	[illegible]	[illegible]	[illegible]	Nil				
[illegible]	.05	0.12	Nil	[illegible]	[illegible]	[illegible]	Nil				
[illegible]	[illegible]	[illegible]	Nil	646	[illegible]	[illegible]	Nil				
[illegible]	[illegible]	[illegible]	Nil	647	.15	[illegible]	Nil				

D. M. A. TUNNEL

ASSAY LAB

SCALE [illegible]

Yellow Pine Mine
Stibnite, Idaho

COORDINATES: 22,363.8 N
19,645.5 E

DIAMOND DRILL HOLE NO. DDH-7

BEARING: N 89° 15' E

INCLINATION: Horizontal

ELEVATION: 6,639.4

Page No. 1

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite with specks of sulphides, black in cracks	66	Nil	.005	.08	3x
5 - 10	" " brecciated severely at 5 and 9'; speck of sulfides all along	95	"	.015	.07	"
10 - 15	Aplite with specks of sulfides, some altered granite. Brecciated at 12 & 14'	80	"	.020	.06	Ax
15 - 20	Altered granite, brecciated at 16 and 19, sulfides in cracks all along	48	"	.020	.11	"
20 - 25	Altered and some brecciated granite, with plenty of sulfide specks.	75	"	.020	.08	"
25 - 30	25-26 aplite; 26-27 altered granite, 27-29 aplite; 29-30 altered granite	90	"	.025	.17	"
30- 35	30-34 altered and brecciated granite with sulfide specks; 34-35 aplite	80	"	.045	.20	"
35 - 40	35-37 brecciated and altered granite (black gouge at 37); 37-40 aplite brecciated at 39	80	"	.040	.17	"
40- 45	Aplite, brecciated and altered granite with sulfides at 42	52	"	.050	.09	"
45 - 50	Aplite, sulfide (black) in cracks	84	"	.055	.09	"
50 - 55	50-54 aplite, 54-55 altered brecciated granite with black seam	20	"	.040	.10	"

Diamond Drill Hole No. DM-7 - continued

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
55 - 60	Aplite, some altered granite. (Core nearly completely altered 0 to 60')	20	Nil	.030	.07	Ax
60- 65	60-64 Fresh granite, 64-65 aplite. Fresh	36	"	.015	.13	"
65 - 70	Aplite. Fresh.	26	"	.005	.03	"
70 - 75	Aplite. Fresh.	80	"	.010	.03	"
75 - 80	75-77 Aplite; 77-78 fresh granite	35	"	.015	.05	"
80- 85	Fresh granite	30	"	.005	.04	"
85 - 90	" "	30	"	.010	.03	"
90 - 95	Aplite, sulfides in crack at 93'6"	50	"	.005	.04	"
95 -100	Aplite	45	"	.020	.02	"
100-105	"	50	"	.005	.01	"
105-110	" 105-109; 109-110 granite	20	"	Tr	.02	"
110-115	Fresh granite	86	"	.020	.04	"
115-120	" "	90	"	Tr	.03	"
120-125	" "	80	"	.005	.08	"
125-130	" "	95	"	.005	.05	"
130-135	" "	95	"	.005	.04	"
135-140	" "	22	"	.015	.05	"
140-145	Granite, some aplite, approx. 50% altered. Minor sulfides	20	"	Tr	.03	"
145-150	Fresh granite; minor alteration and brecciation at 150'	70	"	0.005	.01	"
150-155	150-153 aplite, 153-155 fresh granite	30	"	0.005	0.05	Ax
155-160	Fresh granite, very minor bleaching	30	"	Tr	0.02	"
160-165	Fresh granite	80	"	Tr	0.08	"
165-170	" "	80	"	Tr	0.04	"
170-175	" " , few aplite stringers	55	"	0.005	0.07	"
175-180	" " , slight alteration along fractures	55	"	Tr	0.02	"
180-185	Granite, about 65% altered	15	"	Tr	0.05	"
185-190	" " " " , some gouge	15	"	0.010	0.04	"
190-195	Granite, about 40% altered	18	"	Tr	0.01	"
195-200	" " " "	18	"	0.015	0.03	"
200-205	40% altered granite to 201'; fresh from 201-205	95	"	0.005	0.05	"
205-210	Fresh granite, some gouge at 210'	95	"	Tr	0.08	"
210-215	" "	85	"	0.020	0.15	"
215-220	" "	38	"	Tr	0.05	"
220-225	" " , black gouge at 223	38	"	Tr	0.07	"

Diamond Drill Hole No. DH-7 - continued

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
225-230	225-226 aplite, 226-230 fresh granite	35	Nil	.005	.05	BX
230-235	Fresh granite, some aplite	35	"	.005	.04	"
235-240	Fresh granite and aplite	35	"	.015	Tr	"
240-245	Fresh aplite	5	"	Tr	.08	"
245-250	" "	5	"	Tr	.03	"
250-255	Fresh granite	15	"	.020	.11	"
255-260	" "	15	"	.015	.07	"
260-265	" " , fractured	13	"	.020	.09	"
265-270	Aplite, some fresh granite	13	"	.025	.04	"
270-275	Fresh granite	22	"	Tr	.30	"
275-280	" "	22	"	Tr	.16	"
280-285	" "	26	"	.005	.23	"
285-290	" "	26	"	.005	.21	"
290-295	" "	15	"	Tr	.05	"
295-300	" "	15	"	.005	.27	"
300-305	Gouge at 300'. Fresh granite	59	"	Tr	.02	"
305-310	Fresh granite	59	"	.005	.07	"
310-315	" "	37	"	.005	.13	"
315-320	" " , some aplite, altered granite at 320'	70	"	Tr	.06	"
320-325	" "	70	"	Tr	.04	"

End of hole at 325 Ft.

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

8/9/53

DIAMOND DRILL HOLE NO. DMA-7

Driller's Notes

Date Started: 5/29/53 Driller: Manning/Barkell

Finished: 7/1/53 Helper: Barkell/Ross

Footage	Remarks
0 - 10	Good core recovery. Granite. Blue-grey sludge. Cased to AX at 10 ft.
10 - 45	Fair core recovery, soft. Milky blue grey sludge.
45 - 50	Good core recovery. Altered granite, harder. Milky blue sludge.
50 - 60	Poor core recovery. Altered granite to 57 ft. Aplite 57-60 ft. Grey sludge.
60 - 64	Poor core recovery. Fresh granite. Milky sludge.
67 - 70	Poor core recovery. Aplite and white gouge. Milky sludge.
70 - 77	Fair core recovery. Aplite, very hard and silicified. Milky sludge.
77 - 88½	Poor core recovery. Fresh granite, soft. Milky sludge.
88½-102	Fair core recovery. Fresh granite and aplite, harder. Milky sludge.
102-110	Poor core recovery. Aplite. Milky sludge.
110-135	Good core recovery. Fresh granite, very hard. Grey sludge. Gouge at 134'-6".
135-145	Poor core recovery, fresh granite and gouge, very soft. Milky, blue and grey sludge.
145-150	Fair core recovery. Fresh granite and gouge. 150 ft. of AX casing was driven.
150-160	Poor core recovery. Fresh granite and gouge. Grey sludge.
160-180	Fair core recovery. Mainly fresh granite and gouge. Grey sludge.
180-200	Poor core recovery. Altered granite and gouge, very soft. Blue grey sludge.
200-210	Very good core recovery. Hard aplite and fresh granite. Milky grey sludge.
210-215	Very good core recovery. Altered and fresh granite. Grey sludge.
215-239	Poor core recovery. Fresh granite and gouge. Milky grey sludge.

Footage	Remarks
239-250	Poor core recovery. Aplite and gouge. Milky sludge.
250-270	Very poor core recovery. Fresh granite and gouge.
270-280	Poor core recovery. Granite. Milky sludge.
280-290	Poor core recovery. Fresh granite and some aplite. Milky grey sludge.
290-315	Fair core recovery. Fresh granite. Milky sludge.
315-325	Fair core recovery. Fresh granite and some aplite.

End of hole at 325 ft.

04 (Rev.)
52)

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 May, 1953 Docket No. DMEA 1284X Contract No. Idm-2173
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 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 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:

$ 4775.44

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 Zoldak 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-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 1284X Contract No. Idm-D173
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)		
Drifting, act.	1'			37,644.24	1363	27.62		
Crosscutting, actual	1'			39,727.03	1540	25.80		
Drilling: Core Unit Cost	1'	2775.00	555	2,775.00	555	5.00	4000	
Core 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 G. Olerton 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

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,200.1 N
20,365.3 E

DIAMOND DRILL HOLE NO. DMA 5

BEARING: S 79° 30' W
INCLINATION: Plus 3°

ELEVATION: 6,630.5

Page No. I

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite. Very few visible sulfides	40	No	Sludge		Br
5 - 10	" " " " " "	40	"	"		"
10-15	" " " " " "	50	Nil	.005	.06	Ax
15-20	" " " " " "	50	"	.020	.08	"
20-25	" " " " " "	35	"	.075	.10	"
25-30	Fresh granite	35	"	.025	.05	"
30-35	Mainly fresh granite; some alteration 33-34'	35	"	.005	.04	"
35-40	Fresh granite	35	"	Tr	.03	"
40-45	" "	25	"	.015	.04	"
45-50	" " , aplite 49-50'	15	"	.020	.04	"
50-55	Aplite 50-51'; fresh granite to 55'	30	"	.010	.04	"
55-60	Fresh granite. Small seam sulfides at 59'.	30	"	.005	.04	"
60-65	" "	60	"	Tr	.03	"
65-70	" "	60	"	.015	.04	"
70-75	" "	95	"	.010	.07	"
75-80	" " , altered 77-78'	95	Tr	.005	.08	"
80-85	" " , altered 81-83'	45	Nil	Tr	.03	"
85-90	" "	45	"	Tr	.03	"
90-95	" "	55	"	Tr	.06	"
95-100	" "	55	"	.005	.04	"
100-105	" "	15	"	Tr	.04	"
105-110	" " , some sulfides at 110'	25	"	.005	.06	"
110-115	Altered granite to 114'; fresh granite to 115'	70	"	Tr	.07	"
115-120	Fresh granite. Aplite 116-117'	70	"	Tr	.04	"
120-125	120-122' Fresh Aplite, 122-124' Altered Granite and Fresh Aplite, 124-125' Sulfides in fractures	75	"	.020	.03	"
125-130	Fresh granite	75	"	Tr	.04	"

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,200.1 N
20,365.3 E
ELEVATION: 6,630.5

DIAMOND DRILL HOLE NO. DMA 5

BEARING: S 79° 30' W
INCLINATION: Plus 3°
Page No. 2

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
130-135	Altered and fractured granite, sulfides in fractures	40	Nil	.020	.03	Ax
135-140	Fresh granite (Aplite between 135-137)	70	"	.015	.04	"
140-145	140-142 Fresh granite; 142-145 mostly aplite; some altered granite	65	"	.005	.04	"
145-150	Aplite	65	"	Tr	.02	"
150-155	150-152 Aplite and altered granite; sulphides at 153, fractured to 155	95	"	.005	.03	"
155-160	Fresh granite	95	"	Tr	.01	"
160-165	" "	3	"	.005	.03	Ex
165-170	" "	3	"	.005	.06	"
170-175	170-173 granite and aplite, 173-175' aplite	24	"	.005	.04	"
175-180	Altered granite	24	"	.005	.07	"
180-185	" "	6	"	Tr	.07	"
185-190	" "	6	"	.005	.04	"
190-195	" "	8	"	.005	.02	"
195-200	" "	8	"	.015	.02	"
200-205	Highly fractured and altered granite with sulphides, specks of pyrite	95	"	.015	.05	"
205-210	Altered granite and aplite to 207, aplite to 208, 208-210' altered granite	95	"	.020	.03	"
210-215	210-214' aplite, 214-215 altered granites and aplite	98	"	Tr	.03	"
215-220	Aplite, some altered granite with sulphides in fractures at 218	98	"	.010	.03	"
220-225	Altered granite and aplite. Sulphides at 223, fractured and crushed from 223-225	95	"	.010	.06	"
225-230	Fractured and brecciated aplite, Kaolinized in places	95	"	.005	.03	"
230-235	Brecciated granite, sulphides in fractures	75	"	.020	.06	"

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,200.1 N
20,365.3 E

DIAMOND DRILL HOLE NO. DMA 5

ELEVATION: 6,630.5

BEARING: S 79° 30' W

INCLINATION: Plus 3°

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
235-240	Brecciated and altered granite	75	Nil	.020	.07	Ex
240-245	Granite, somewhat altered and brecciated	38	"	.015	.08	"
245-250	245-247' brecciated granite and aplite, 247-250' fractured granite with sulphides in fractures	38	"	.015	.04	"
250-255	Brecciated granite; sulphides in fractures, especially at 254'	98	"	.010	.08	"
255-260	255-257' altered and fractured granite, sulphides in fractures; 257-260' brecciated and altered granite and aplite	98	"	Tr	.11	"
260-265	Altered granite, brecciated, sulphides in fractures at 265'	72	"	.005	.03	"
265-270	Altered and fractured granite	72	"	.005	.04	"
270-275	Brecciated granite, some sulphides	5	"	.005	.04	"
275-280	Fractured granite	5	"	Tr	.01	"
280-285	Granite and aplite	45	"	.005	.06	"
285-290	Altered granite to 287'; 287-290' fresh granite	45	"	.005	.02	"
290-295	Altered granite	95	"	.010	.07	"
295-300	Altered granite	95	"	.010	.07	"
300-305	Granite	90	"	.005	.02	"
305-310	Granite, fresh	30	"	.015	.04	"
310-315	" "	30	"	Tr	Tr	"
315-320	"	98	"	.010	.03	"
320-325	Granite, aplite at 323'	98	"	Tr	.03	"
325-330	Granite to 326'; aplite from 326-330'	80	"	.005	.03	"
330-335	330-333 Aplite, 333-335 granite	80	"	Tr	.02	"
335-340	Granite	70	"	Tr	.04	"
340-345	Granite and aplite	70	"	Tr	.03	"

End of hole at 345 ft.

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-5

Driller's Notes

Date Start: 11/24/52
Finish: 5/13/53
(Drilling suspended from 11/30/52 to 5/3/53)

Driller: Manning
Helper: Barkell

Footage	Remarks
0 -10	Fair core recovery, fresh granite. No sludge saved. Cased to AX at 10 ft.
10-20	Fair core recovery, slightly altered granite, very broken. Milky sludge.
20-30	Fair core recovery, fresh granite, very soft with gouge. Hit large stream of water at 25 ft. Milky sludge.
30-39	Fair core recovery, fresh granite, medium soft with gouge streaks. Very broken. Milky sludge. Some caving at 30 ft.
39-50	Rather poor core recovery. Fresh granite and aplite, very broken. Milky sludge.
50-60	Fair core recovery, broken fresh granite, milky sludge.
60-80	Good core recovery, broken fresh granite, milky sludge.
80-100	Fair core recovery, broken fresh granite and aplite, milky sludge.
100-110	Very poor recovery, soft and broken fresh granite and aplite, milky sludge.
110-119	Good core recovery, harder and very broken fresh granite and aplite, a little altered granite. Milky sludge.
119-130	Very poor core recovery. Medium hard broken granite and aplite, a little altered granite. Milky sludge. Hit another stream of water; hole is making lots of water.
130-137	Poor core recovery, granite and aplite, hard rock -- core blocked, ground up some core. Milky sludge.
137-140	Very good core recovery, granite and aplite, milky sludge.
140-160	Good core recovery, fresh granite, milky grey sludge. Cased to AX at 160 ft.
160-170	No core recovery, very soft. Milky grey sludge.
170-180	Poor core recovery, very soft granite. Milky grey sludge.
180-190	Very poor core recovery, very soft and gougy. Milky grey sludge.

DMA-5 Driller's Notes - page 2

Footage	Remarks
190-200	Practically no core recovery, soft, aplite, milky grey sludge.
200-201	Very good core recovery. Soft aplite with sulfides. Milky blue sludge.
201-210	Very good core recovery. Aplite and sulfides at 207 ft. Light blue to light grey sludge. Hit water course.
210-220	Very good core recovery. Some sulfides, mostly aplite. Light grey sludge. Lots of water.
220-223	Very good core recovery. Gouge. Grey sludge. Core blocked. Hole making more water.
223-231	Very good core recovery. Altered granite and aplite, hard. Milky sludge, few sulfides.
231-240	Very good core recovery. Some sulfides and some gouge. Milky blue sludge.
240-250	Fair core recovery. Aplite, fresh granite, altered granite, some sulfides. Milky and light blue sludge.
250-260	Excellent core recovery. Aplite and altered granite, may be some sulfides. Milky blue sludge. Hole is caving from 240 to 250 feet.
260-270	Good core recovery. Aplite and altered granite. Milky blue sludge.
270-280	Practically no core recovery. Soft. Milky sludge.
280-306	Fair to excellent core recovery. Aplite and fresh granite. Milky sludge.
306-316	Fair core recovery. Fresh granite. Milky sludge. Some gouge streaks. Was partially blocked so must have ground up some core.
316-345	Good to excellent core recovery. Fresh granite. Milky sludge.
	End of hole

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,296.4 N
20,178.1 E

ELEVATION: 6,630.3

DIAMOND DRILL HOLE NO. DMA 6

BEARING: S 23° 10' E

INCLINATION: Minus 1°

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite; brecciated at 2' and 5', sulphides in fractures	85		No sludge		Bx
5 - 10	Granite, sulfides at 10' in fracture	85		No sludge		"
10-15	Altered and fractured granite; sulfides in fractures	60	Nil	.025	.05	Ax
15-20	Altered and fractured granite; sulfides in fractures	60	"	.005	.04	"
20-25	Brecciated and altered granite, sulfides in fractures	20	"	.005	.04	"
25-30	Aplite, sulfides in fractures	20	"	.005	.04	"
30-35	Altered and brecciated granite and aplite; sulfides in fractures	30	"	Tr	.04	"
35-40	Altered and brecciated granite and aplite; sulfides in fractures	30	"	.045	.04	"
40-45	Altered and brecciated granite and aplite; sulfides in fractures	20	"	.035	.06	"
45-50	Altered and brecciated granite and aplite; sulfides in fractures	20	"	.020	.10	"
50-55	Aplite to 53'; granite to 55'	28	"	.015	.04	"
55-60	Granite	75	"	.010	.03	"
60-65	Altered granite	90	"	.005	Tr	"
65-70	" "	95	"	.015	.01	"
70-75	Altered granite and aplite	95	"	Tr	.01	"
75-80	Aplite	90	"	Tr	.02	"
80-85	Altered granite	70	"	Tr	.01	"
85-90	Granite, fractured at 90'	70	"	Tr	.03	"
90-95	90-91' granite; aplite to 95'	75	"	Tr	.02	"
95-100	Altered granite	40	"	Tr	.02	"
100-105	Granite, brecciated	30	"	.005	.03	"
105-110	Aplite	60	"	Tr	.02	"
110-115	"	28	"	Tr	.02	"
115-120	" and altered granite	75	"	Tr	.03	"
120-125	"	68	"	.005	.04	"

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,296.4 N
20,178.1 E

DIAMOND DRILL HOLE NO. DMA 6

ELEVATION: 6,630.3

BEARING: S 23° 10' E
INCLINATION: Minus 1°
Page No. 2

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
125-130	Aplite	60	Nil	Tr	.03	Ax
130-135	Aplite to 133'; 133-135' granite	33	"	Tr	.02	"
135-140	Granite	33	"	.005	.02	"
140-145	Granite	46	"	Tr	.04	"
145-150	Granite and aplite	50	"	Tr	.04	"
150-155	Aplite	16	"	Tr	.03	"
155-160	Granite, somewhat altered	40	"	.010	.02	"
160-165	Fractured and altered granite	64	"	.020	.03	"
165-170	Altered granite and aplite	50	"	.015	.04	"
170-175	Aplite	50	"	.015	.05	"
175-180	Granite	60	"	.010	.04	"
180-185	Granite, altered	70	"	.005	.01	"
185-190	Granite	60	"	.005	.04	"
190-195	"	18	"	.010	.04	"
195-200	Altered granite	18	"	Tr	.04	"
200-205	" "	10	"	.010	.05	"
205-210	Granite	10	"	Tr	.22	"
210-215	No core	00	"	.010	.02	"
215-220	" "	00	"	.005	.03	"
220-225	Granite, altered	17	"	.005	.04	"
225-230	"	17	"	.010	.08	"
230-235	" "	20	"	.015	.03	"
235-240	" "	20	"	Tr	.09	"
240-245	Fine grained granite; 241-242 sulphides in ground-up core	55	"	.005	.04	"
245-250	Fine grained granite to 248'; altered granite to 250	27	"	Tr	.04	"
250-255	Altered granite	27	"	Tr	.03	"
255-260	Granite, 256-258' core crushed	28	"	.005	.06	Ex
260-265	Aplite and altered granite	28	"	.005	.04	"
265-270	" " " "	28	"	.010	.05	"
270-275	Altered granite to 271'; fine grained granite to 274'; granite to 275'	80	"	.005	.03	"

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,296.4 N
20,178.1 E

DIAMOND DRILL HOLE NO. DMA 6

BEARING: S 23° 10' E

INCLINATION: Minus 1°

ELEVATION: 6,630.3

Page No. 3

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
275-280	Granite	80	Nil	.005	.04	Ex
280-285	Granite to 283'; aplite 283-285'	64	"	.010	.03	"
285-290	Altered granite and aplite	64	"	.010	.04	"
290-295	Altered granite; sulfides in fractures at 191'	30	"	.015	.03	"
295-300	Granite	30	"	Tr	.03	"
300-305	Granite and some fine grained granite	15	"	Tr	.03	"
305-310	" and aplite	15	"	.005	.04	"
310-315	"	9	"	Tr	.02	"
315-320	"	9	"	.015	.04	"
320-325	"	9	"	0.15	.03	"
325-330	"	11	"	.005	.02	"
330-335	" , some aplite	11	"	.020	.04	
335-340	Aplite	8	"	.010	.07	"
340-345	"	8	"	.015	.05	"
345-350	"	8	"	Tr	.06	"

End of hole at 350 ft.

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-6

Driller's Notes

Date Start: 5/15/53 Driller: Manning

Finish: 5/27/53 Helper: Barkell

Footage	Remarks
0 - 10	Very good core recovery. Fresh and slightly altered granite. Milky sludge. Cased to AX at 10 ft.
10-21	Fair core recovery. Mostly altered granite; rock is getting softer. Bluish-grey sludge.
21-31	Fair core recovery. Altered granite and quartz. Blue-grey sludge.
31-41	Poor core recovery. Granite ore; very soft. Blue-grey sludge.
41-51	Poor core recovery. Altered granite. Blue-grey sludge.
51-58	Good core recovery. Harder, aplite and fresh granite. Milky sludge.
58-82	Very good core recovery. Very hard fresh granite, some aplite. Milky sludge.
82-101	Good core recovery. Fresh granite and aplite, softer. Milky sludge.
101-107	Poor core recovery. Fresh granite and aplite; very soft with gouge seams. Grey sludge.
107-115	Poor to good core recovery. Aplite and gouge. Grey sludge.
115-131	Poor to good core recovery. Hard aplite. Milky sludge. Core blocked several times.
131-141	Fair core recovery. Fresh granite; softer. Grey sludge.
141-148	Fair core recovery. Fresh granite and aplite. Milky sludge.
148-161	Poor core recovery. Aplite and gouge. Poor sludge.
161-190	Fair to good core recovery. Fresh granite. Milky-grey sludge.
190-211	Very poor core recovery. Fresh granite and gouge. Milky-grey sludge.
211-221	No core recovery. Talc and gouge. Milky-grey sludge.
221-241	Poor core recovery. Slightly altered granite and gouge. Blue-grey sludge.

Footage	Remarks
241-256	Fair to good core recovery. Fresh granite. Hole caving at 225 ft. Cased to 4x at 256 ft.
256-271	Rather poor core recovery. Fresh granite and aplite, very soft most of run. Grey sludge.
271-289	Good core recovery. Hard and broken fresh granite, very little gouge. Milky-grey ~~gouge.~~ sludge
289-315	Poor core recovery. Fresh granite, some gouge. Milky-grey sludge.
315-350	Poor core recovery. Fresh granite, some aplite and gouge, Milky sludge.
	End of hole.

June 18, 1953

D.M.&.A. Progress Report for May, 1953

Contract Idm - 8173

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

KG./je

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

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

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

Month of April 1953 Docket No. DMEA 1284X Contract No. Idm-3173
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 [signature] 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. E 173 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 Eng 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 MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 1284X Contract No. Idm-8173
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~~ ~~XXXX~~ Drifting,								
~~Shafts~~ ~~XXX~~ Actual	1'			37,644.24	1363	27.62		
~~Winzes~~ ~~XXXX~~ Cutting, 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 G. Morton 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

COPY

BRADLEY MINING CO.
YELLOW PINE MINE, IDAHO
GRANITE, IDAHO

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

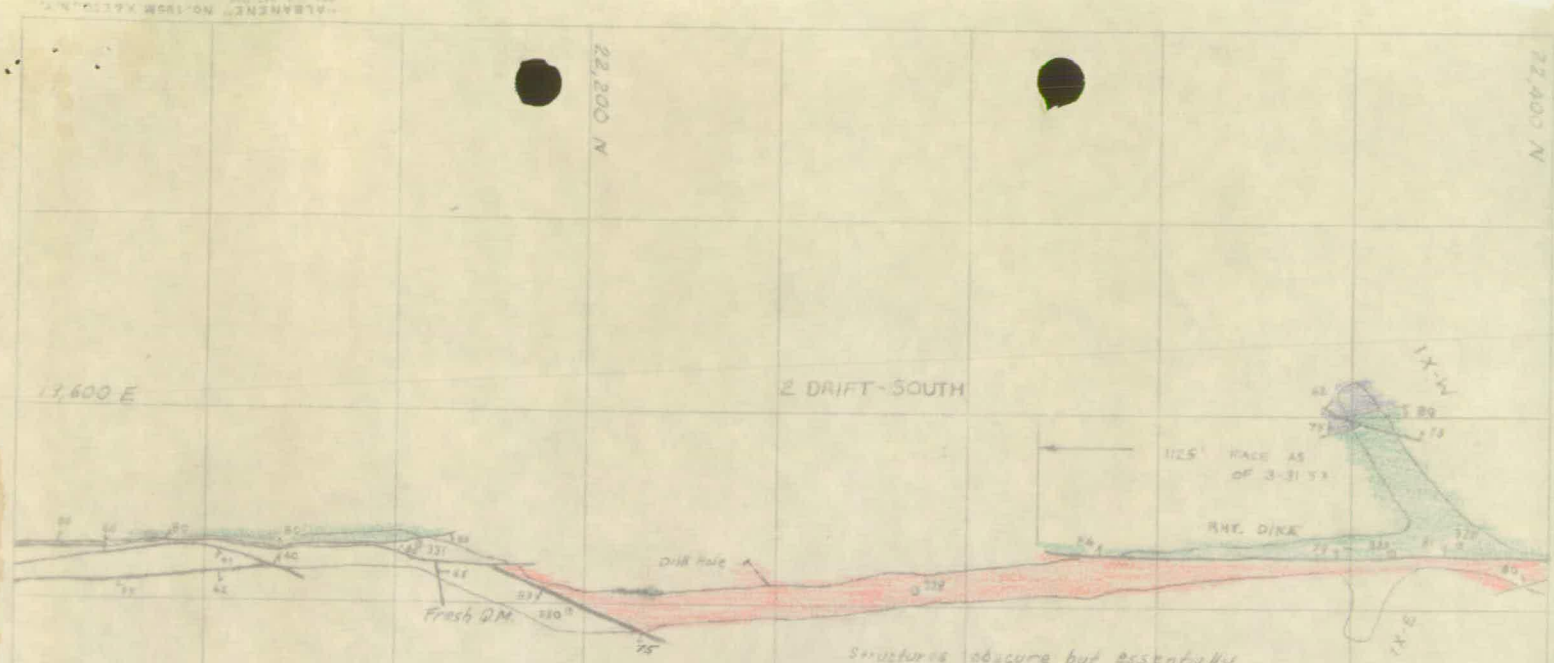
Item 8 - Contingencies

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

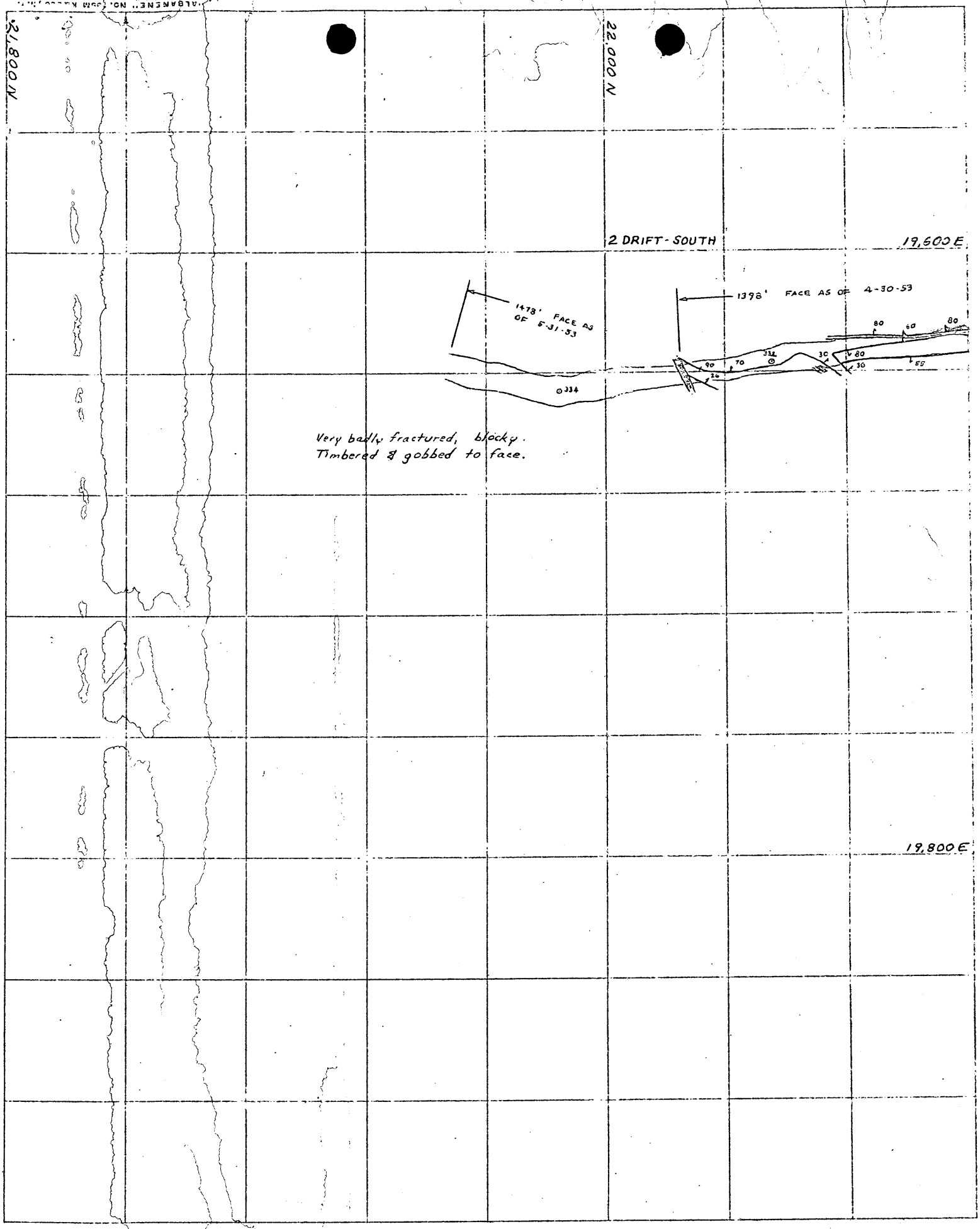


19,800 E

SHEET 12

D.M.A. TUNNEL
GEOLOGY

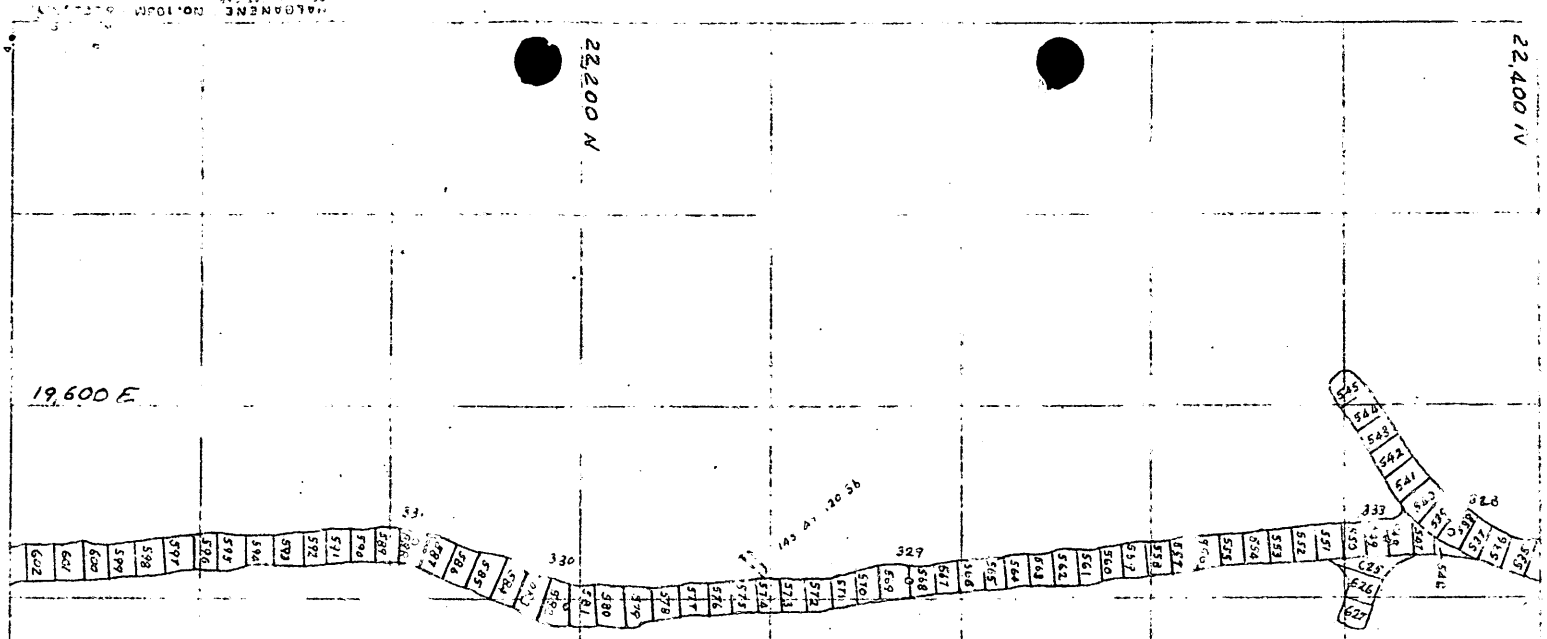
SCALE: 1" = 40'



SHEET 13

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'



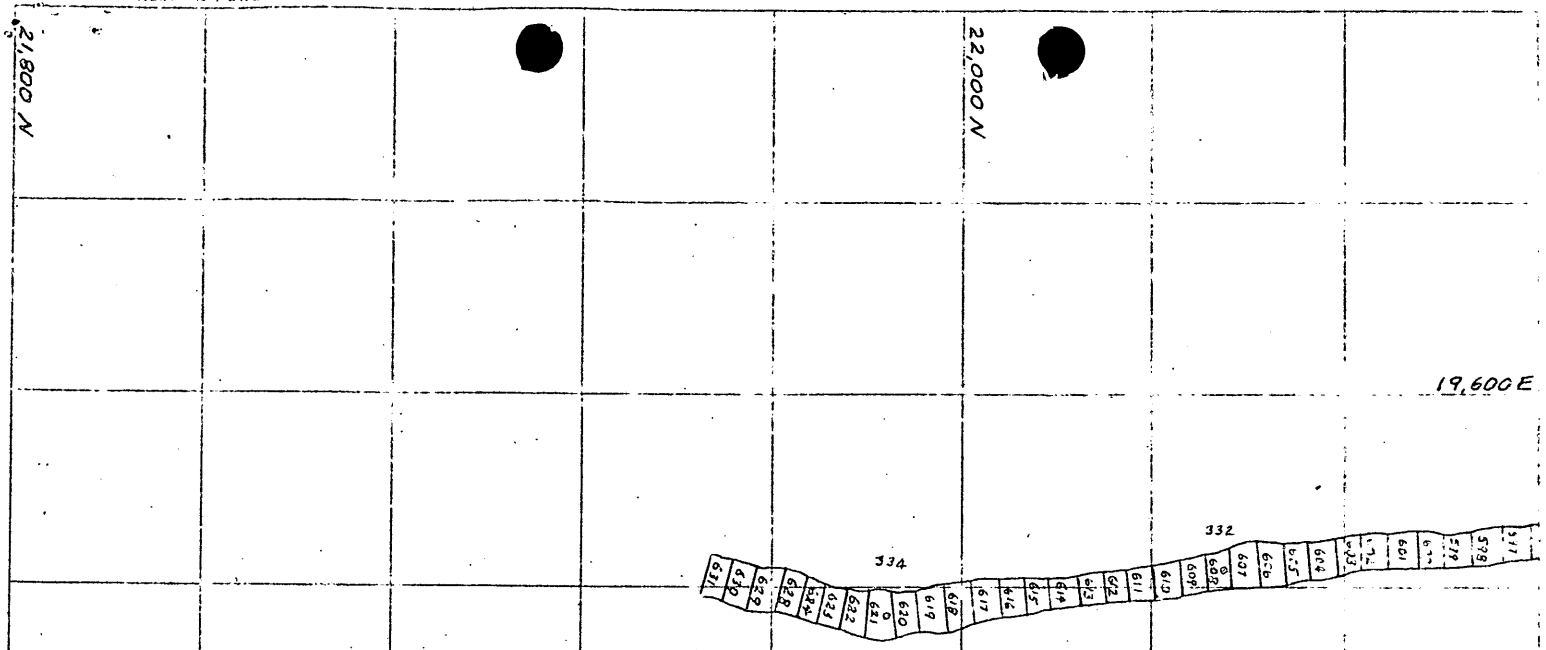
CAR SAMPLES

	No.	Au oz/TON	Sb %	WO_3 %	No.	Au oz/TON	Sb %	WO_3 %	No.	Au oz/TON	Sb %	WO_3 %
	535	.075	0.11	0.03	559	.160	0.21	Nil	583	Tr	0.02	Nil
	536	.050	0.11	Nil	560	.195	0.22	Nil	584	Tr	0.01	Nil
	537	.005	0.06	Nil	561	.210	0.33	Nil	585	.020	Tr	Nil
	538	Tr	0.03	Nil	562	.240	0.26	0.03	586	.020	0.01	Nil
	539	Tr	0.02	Nil	563	.155	0.30	Tr	587	Tr	0.01	Nil
19,800E	540	Tr	0.01	Nil	564	.155	0.15	0.05	588	Tr	0.02	Nil
	541	Tr	0.01	Nil	565	.180	0.39	Tr	589	Tr	0.01	Nil
	542	Tr	Tr	Tr	566	.215	0.15	Tr	590	.015	Tr	Nil
	543	Tr	Tr	Nil	567	.245	0.45	0.01	591	.010	0.02	Nil
	544	Tr	0.01	Nil	568	.225	0.25	0.02	592	.010	0.02	Tr
	545	.065	0.01	Nil	569	.200	0.81	Nil	593	.015	0.01	Tr
	546	.060	0.10	Tr	570	.170	0.60	Nil	594	.030	0.06	Tr
	547	.060	0.12	Nil	571	.195	0.64	Nil	595	.045	0.13	Tr +
	548	.065	0.11	Nil	572	.160	0.57	Nil	596	.020	0.07	Nil
	549	.045	0.10	Tr	573	.150	0.37	Nil	597	.005	0.04	Nil
	550	.040	0.07	Nil	574	.190	0.26	Nil	598	.005	0.03	Nil
	551	.045	0.05	Nil	575	.190	0.99	Tr	599	.010	0.02	Nil
	552	.045	0.07	Nil	576	.190	0.37	Nil	600	.010	0.05	Nil
	553	.060	0.10	Nil	577	.140	0.17	Nil	601	.010	0.05	Nil
	554	.100	0.13	Nil	578	.085	0.22	Nil	602	.010	0.04	Nil
	555	.120	0.27	Nil	579	.035	0.11	Nil				
	556	.070	0.13	Nil	580	.035	0.09	Nil	625	.010	0.08	Nil
	557	.020	0.09	Nil	581	.005	0.01	Nil	626	.010	0.06	Nil
	558	.115	0.16	Nil	582	Tr	0.03	Nil	627	.010	0.06	Nil

D.M.A. TUNNEL
ASSAY MAP

SHEET 12

SCALE: 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
597	.005	0.04	Nil	621	.005	0.04	Nil
598	.005	0.03	Nil	622	Tr	0.04	Nil
599	.010	0.02	Nil	623	Tr	0.07	Nil
600	.010	0.05	Nil	624	Tr	0.03	Nil
601	.010	0.05	Nil	628	.005	0.02	Nil
602	.010	0.04	Nil	629	.025	0.04	0.04
603	.015	0.03	Nil	630	Tr	0.04	Tr
604	.020	0.03	Nil	631	.005	0.03	Nil
605	.010	0.07	Tr				
606	.005	0.04	Nil				
607	.005	0.03	Nil				
608	Tr	0.04	Nil				
609	Tr	0.04	Nil				
610	Tr	0.03	Nil				
611	Tr	0.05	Nil				
612	.010	0.02	Nil				
613	.025	0.04	Nil				
614	.005	0.04	Nil				
615	.020	0.06	Nil				
616	.015	0.03	Nil				
617	.005	0.04	Nil				
618	.015	0.12	Nil				
619	.005	0.03	Nil				
620	Tr	0.03	Nil				

19,800 E

SHEET 13

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Amended 2/27/53

Month of March, 1953 Docket No. DMEA 1284X Contract No. Idm-3173
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 ~~Skkkkk~~ Contracts:						
Drilling						
Bulldozing						
Crosscutting 40 ft.	1298.40		1,298.40	1298.40		1298.40
Drifting 189 ft.	6134.94		6,134.94	6134.94		6134.94
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
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	-0-	107.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
~~Power~~						
Repairs, etc.						
Ventilation	616.10		616.10	-0-	-0-	-0-
TOTALS	8156.44		8,156.44	7540.34	96,018.52	103,558.86

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

Date 4/22/53 *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)

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.

Signature /s/ Stephen W Zoldok Title Mining Engr Date 4/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ 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

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		
Drifting Actual Cost				37644.24	1363	27.62		
Crosscutting Actual Cost				39727.03	1540	25.80		
Winzes								
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		88,317.10 ~~7,433.34~~				Total Costs Authorized by Contract
Operating Equipment Purchased				9938.00				4,950.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5576.76				
Assaying, contingencies		~~723.10~~	107.00	~~923.10~~	107.00			4,360.00
Total Costs		~~8156.44~~ 7540.34		~~8,156.44~~ 102,358.86				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 4/28/53 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

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/jm

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.

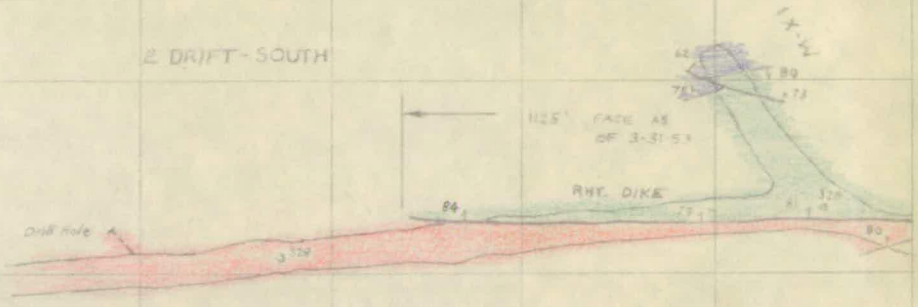
No charge is made for the ventilating equipment other than the necessary labor costs of salvaging and splicing the electric wire and installing the equipment in the drift. These labor charges are itemized below.

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

22,200 N

22,400 N

19,600 E



Structures obscure but essentially parallel to drift

19,800 E

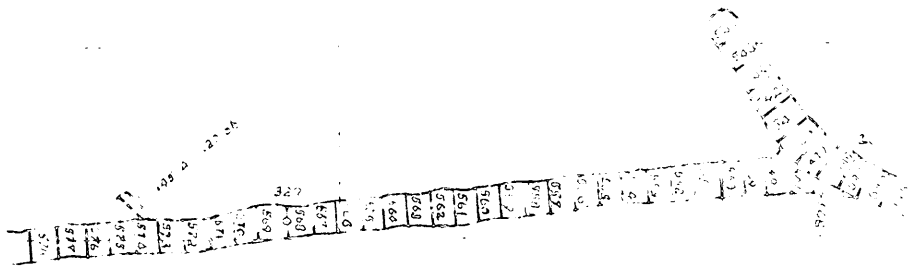
SHEET 12

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

22203 N

19,600 E



19,800 E

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
535	.075	0.11	0.03	559	.100	0.21	Nil
536	.050	0.11	Nil	560	.175	0.22	Nil
537	.005	0.06	Nil	561	.210	0.33	Nil
538	Tr	0.03	Nil	562	.240	0.26	0.03
539	Tr	0.02	Nil	563	.155	0.30	Tr
540	Tr	0.01	Nil	564	.155	0.15	0.05
541	Tr	0.01	Nil	565	.180	0.39	Tr
542	Tr	Tr	Tr	566	.215	0.15	Tr
543	Tr	Tr	Nil	567	.245	0.45	0.01
544	Tr	0.01	Nil	568	.225	0.25	0.02
545	.065	0.01	Nil	569	.200	0.81	Nil
546	.060	0.10	Tr	570	.170	0.60	Nil
547	.060	0.12	Nil	571	.195	0.64	Nil
548	.065	0.11	Nil	572	.160	0.57	Nil
549	.045	0.10	Tr	573	.150	0.37	Nil
550	.040	0.07	Nil	574	.190	0.20	Nil
551	.045	0.05	Nil	575	.190	0.99	Tr
552	.045	0.07	Nil	576	.190	0.37	Nil
553	.060	0.10	Nil	577	.140	0.17	Nil
554	.100	0.13	Nil	578	.085	0.22	Nil
555	.120	0.27	Nil				
556	.070	0.13	Nil				
557	.020	0.09	Nil				
558	.115	0.16	Nil				

D.M.A. TUNNEL
ASSAY MAP

SHEET 12

SCALE: 1" = 40'

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/29/53

REFERRED TO:

1. ~~Code 110, Room 4624~~
2. ~~Code 900, Room 6020 3544~~
3. Code 700, Room 4640
4. Mr. Schmidt
Div. Contract file

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: .....

Check (X) before the items needing attention.

ROBERT E. ADAMS
Initials of sender.

GPO 16—63815-1

Betty Wanamaker

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

W

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
APR 28 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1953 Docket No. DMEA 1284X Contract No. Idn-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	1714.24		
Supervision	23.64	6,189.59	6,213.23	23.64		
Technical Services	300.00	3,300.00	3,600.00	300.00		
(3) Operating Mat'ls. and Supplies:						
Timber	52.01	5,293.77	5,345.78	52.01		
Explosives	405.62	6,233.28	6,638.90	405.62		
Pipe	21.08	721.52	742.60	21.08		
Track	52.00	1,087.69	1,139.69	52.00		
Repair Parts	180.41	1,033.49	1,213.90	180.41		
Other	974.93	11,914.36	12,889.29	974.93		
(4) Operating Equipment:						
Rental						
Purchase		9,558.00	9,558.00			
Depreciation	520.33	6,773.74	7,294.07	520.33	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	46.91		
Liability Insurance	129.94	1,424.59	1,554.53	129.94		
[illegible]	[illegible]	[illegible]	[illegible]			
(8) Contingencies (specify):						
Power	95.61	695.75	791.36	95.61		
Repairs, Utilities & Misc. Surface Work	375.72	3,794.64	4,170.36	375.72		
TOTALS	4892.44	91,700.15	96,592.59	4918.37	91700.15	96618.52

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 F. Clinton 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. E 173 in accordance with the terms of the contract.

Signature S/ Stephen W Zoldok Title Mining Eng Date 4/22/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ Thomas E Howard Title Mining Eng 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-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.	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 4/29/53 Operator Bradley Mining Co.

Per [signature] 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.L.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

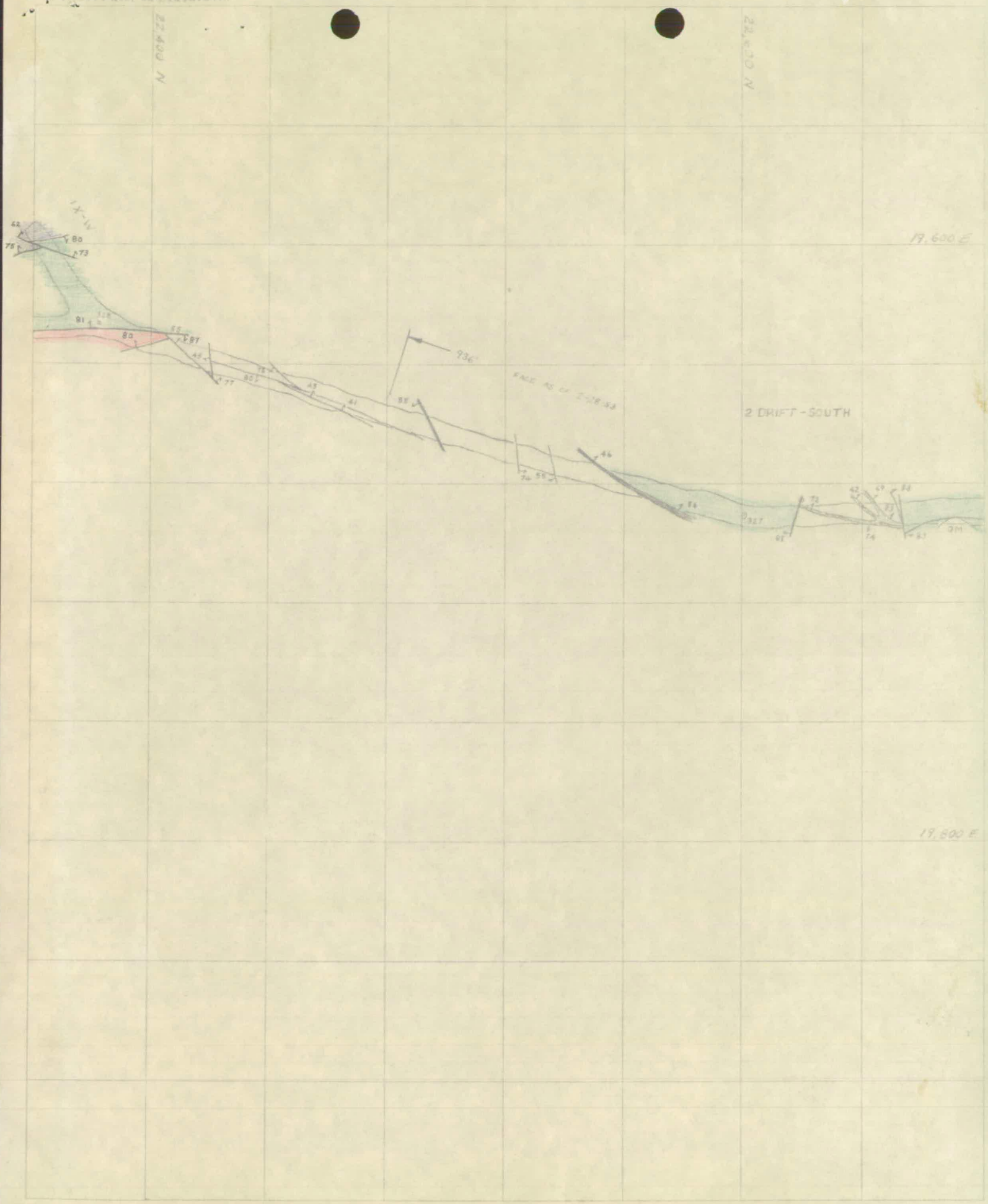
Of the 209 feet driven during the month, approximately 85 feet was in the rhyolite dike. The remainder of the footage was in altered quartz monzonite containing low grade gold-antimony mineralization. The highest assays came from the car sample from 899 to 904 feet: 0.060 ounces gold per ton and 0.21 per cent antimony.

BRADLEY MINING CO.

K G Wallace

K. G. Wallace
Senior Engineer

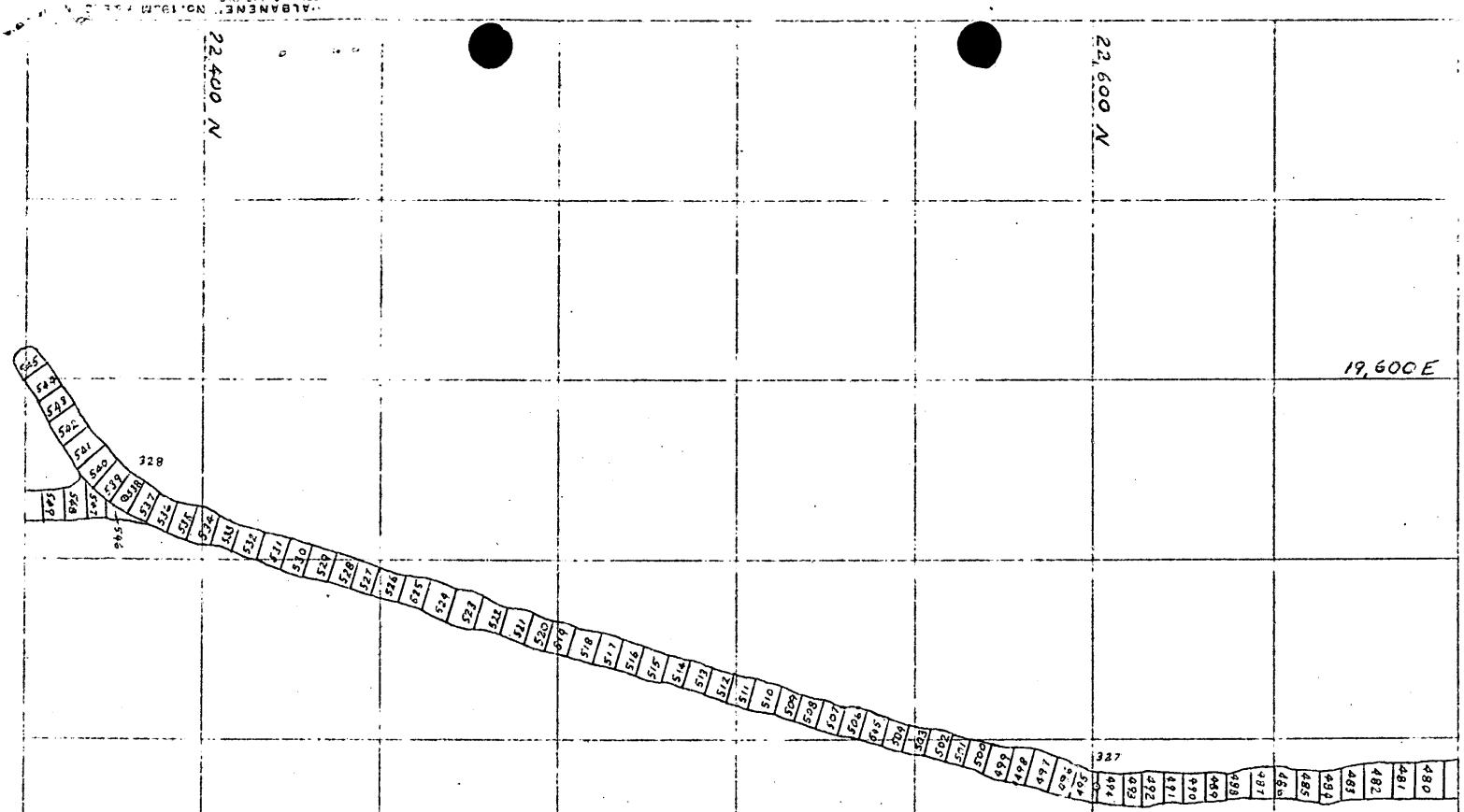
KGW/ja



SHEET 11

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
480	Tr	0.02	Tr	504	.025	0.04	Nil	528	.005	0.03	Nil
481	.015	0.04	Tr	505	.025	0.04	Nil	529	.005	0.08	Nil
482	Tr	Tr	Tr	506	.030	0.13	Nil	530	Tr	0.04	Nil
483	.015	Tr	Nil	507	.035	0.04	Nil	531	.010	0.04	Tr
484	.035	0.05	Tr	508	.010	0.05	Nil	532	.025	0.04	Tr
485	.050	0.08	Nil	509	.035	0.05	Nil	533	.065	0.07	Tr
486	.015	0.16	Nil	510	Tr	0.06	Nil	534	.080	0.16	0.04
487	.040	0.14	Nil	511	.010	0.07	Nil	535	.075	0.11	0.03
488	.025	0.07	Nil	512	.045	0.05	Nil	536	.050	0.11	Nil
489	.045	0.10	Nil	513	.060	0.21	Nil	537	.005	0.06	Nil
490	.030	0.09	Nil	514	.050	0.12	Tr	538	Tr	0.03	Nil
491	.020	0.05	Nil	515	.020	0.06	Tr	539	Tr	0.02	Nil
492	Tr	0.06	Nil	516	.010	0.04	Nil	540	Tr	0.01	Nil
493	Tr	0.01	Nil	517	.010	0.05	Nil	541	Tr	0.01	Nil
494	Tr	Tr	Nil	518	.010	0.06	Nil	542	Tr	Tr	Tr
495	Tr	Tr	Nil	519	.025	0.03	Nil	543	Tr	Tr	Nil
496	Tr	0.05	Nil	520	.030	0.02	Nil	544	Tr	0.01	Nil
497	Tr	0.02	Nil	521	.030	0.06	Tr	545	.065	0.01	Nil
498	Tr	0.01	Nil	522	.030	0.07	Nil	546	.060	0.10	Tr
499	Tr	0.02	Nil	523	.030	0.06	Nil	547	.060	0.12	Nil
500	Tr	0.01	Nil	524	.035	0.10	Nil	548	.065	0.11	Nil
501	.005	0.02	Nil	525	.005	0.04	Nil	549	.045	0.10	Tr
502	.010	0.05	Nil	526	.010	0.02	0.05				
503	Tr	0.06	Nil	527	.010	0.04	Nil				

19,800 E

D.M.A. TUNNEL
ASSAY MAP

SHEET 11

SCALE: 1" = 40'

Form MF-164 (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
APR 6 1953

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, Util., Etc.	236.16	3,558.48	3,794.64			
TOTALS	5,661.81	86,038.34	91,700.15	5661.81	86 038.34	91 700.15

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 J. Winton Title Assistant Secretary

When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing company or corporate name, as well as the capacity in which he signs, must appear. For example: "John 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 statement or representation to any department or agency of the United States as to any matter within its liction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
4246.35
$ 4246 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 W Zoldok 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
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 1284X Contract No. Idn-2173

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 Oberton 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

January, 1953

BRADLEY MINING CO.

Stibnite, Idaho

MONTHLY SUPPORTING DETAIL

Contract Idm-8173

PART I - DRIFTING

Item 2 - Labor and Supervision

Item 7 - Payroll taxes and liability insurance

Contract Idm-8173, 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	444.75	
157.5	hrs.	Straight Time @ $1.515	238.61	
36	hrs.	Overtime (1½) @ $1.515	81.81	
1,003	hrs.	Total Wages		$ 1,854.30
		F.O.A.B. Tax @ 1.5%		27.81
		Unemployment Ins. Tax @ 1.8%		33.37
		Workmen's Comp. Ins. @ $8.06 ($1,679.11)		135.41
		Total Labor Cost		$ 2,049.70

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
Dale	Miner	$1.71	160	42	$ 273.60	$ 107.73
Longmore	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

McKinley	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-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

916 lin. ft.	Stull Timber	$ 91.60	
4240 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

120 ft.	Rail, 20 lb.	$ 106.67
		106.67

Repair Parts

Tractor Parts		
20	Stove Bolts, 1/4 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, #10Qh	3.83
1	Grease Fitting	.35
Skilsaw Parts		
1	Bearing	1.21
		7.82

Other

1139 gal.	Diesel Oil	801.60
256 gal.	Stove Oil	45.59
86.2 gal.	Gasoline	24.81
3 gal.	Zerex Antifreeze	7.90
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	2.44
10	Drill Steel, 1" Hex x 7'	137.10
210 ft.	Galv. Vent Pipe, 18"	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, 1/4 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"	2.88	
			$ 793.05

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	" "	108.00	
Skilosaw (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Pickup Truck	" "	13.33	
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 IDs-2173, Exhibit A, Item 5

7308 KWH Electric Power @ $0.010794 $ 78.88

Repairs, Utilities and Misc. Surface Work

Contract IDs-2173, Exhibit A, Item 5

Servicing and Repairing Compressor and Pickup, Delivering Oil

George E. 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 Dragger

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

Monitoring Shovel Loader and Mine Cars

Carl E. Dyer — 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 - Continuation

Repairs, Utilities and Misc. Surface Work (Continued)

F.C.A.B. Tax @ 1.5%	3.37
Unemployment Ins. Tax @ 1.2%	2.69
Workmen's Comp. Ins. @ $1.10 ($181.06)	2.35
@ $2.75 ($43.49)	1.20
	$ 236.16

Servicing Fishes

Stanolind Service Station (January Invoice $1.82 for lubrication)	2.80
Total Repairs, Utilities and Misc. Surface Work	$ 236.16

PART II - DIAMOND DRILLING

Item 3 - Operating Materials and Supplies

Other

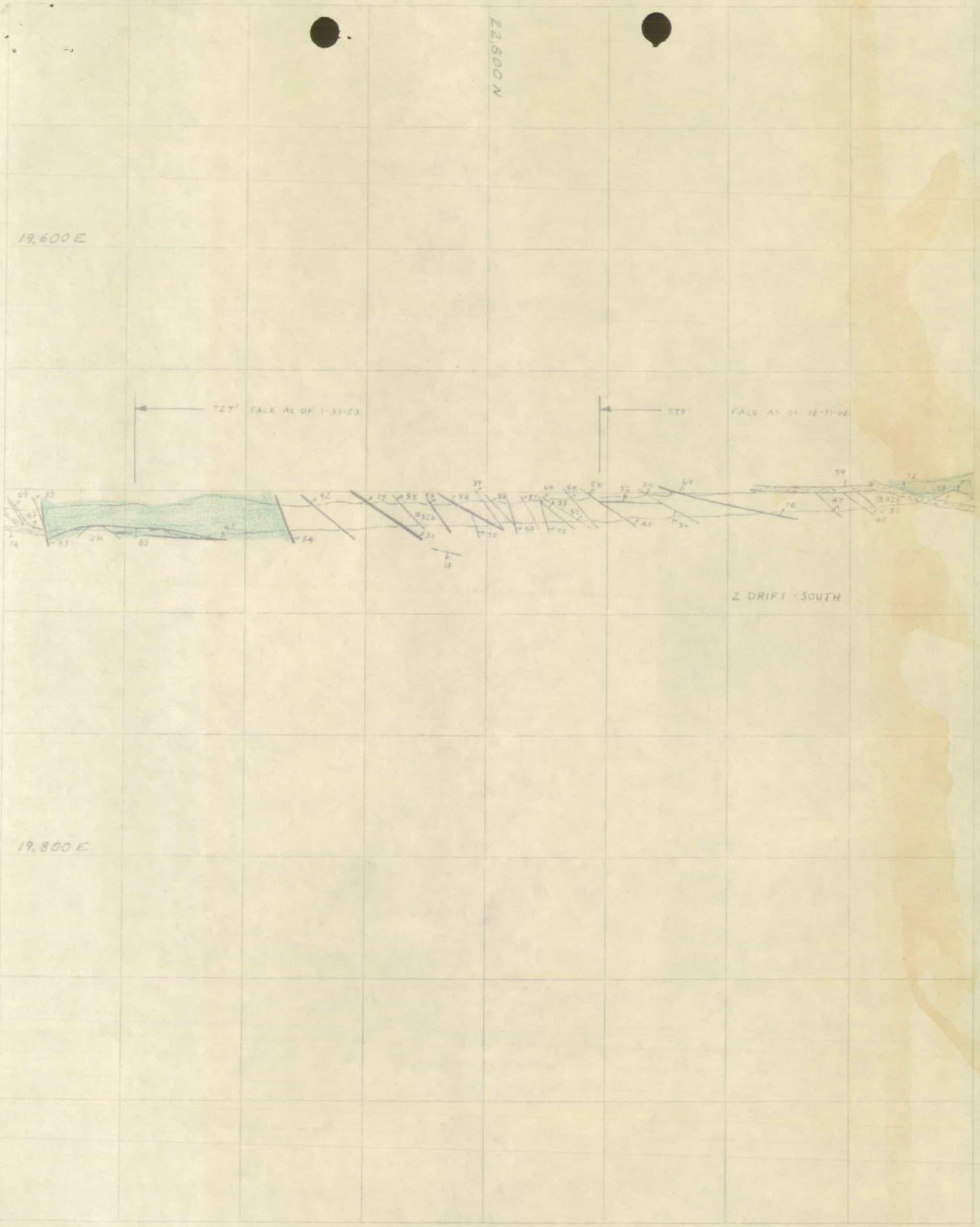
Bits - Credits

1	Air Bit, Serial No. W-2777	$ 216.96
1	Air Bit, Serial No. W-2779	116.83
	Total Credits	$ 333.79

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	793.85	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



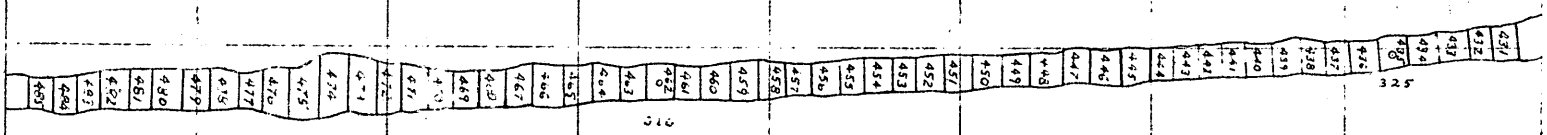
SHEET 10

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

22,800 N

19,600 E



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
431	.005	0.02	Nil	460	Tr	0.02	Nil
432	Tr	0.02	Nil	461	.005	0.02	Nil
433	.005	0.04	Nil	462	.005	0.03	Nil
434	.020	0.06	Nil	463	.015	0.03	Nil
435	.020	0.06	Nil	464	.010	0.03	Nil
436	.005	0.05	Nil	465	.010	0.02	Nil
437	Tr	0.04	Nil	466	.035	0.04	Nil
438	Tr	0.02	Nil	467	Tr	0.01	Tr
439	Tr	0.03	Nil	468	Tr	0.04	Nil
440	.010	0.05	Nil	469	Tr	0.03	Nil
441	.005	0.04	Nil	470	Tr	0.05	Nil
442	.020	0.03	Tr	471	Tr	0.03	Nil
443	.005	0.03	Nil	472	Tr	0.04	Nil
444	.010	0.06	Nil	473	Tr	0.03	Nil
445	.010	0.03	Nil	474	Tr	0.01	Tr
446	.015	0.01	Nil	475	Tr	0.01	Tr
447	.015	0.04	Nil	476	Tr	0.01	Tr
448	Tr	0.02	Nil	477	Tr	0.01	Nil
449	Tr	0.03	Nil	478	Tr	0.03	Nil
450	Tr	0.01	Nil	479	Tr	0.03	Nil
451	.005	0.02	Nil	480	Tr	0.02	Tr
452	.020	0.05	Nil	481	.015	0.04	Tr
453	.010	0.01	Nil	482	Tr	Tr	Tr
454	.010	0.02	Nil	483	.015	Tr	Nil
455	.010	0.02	Nil	484	.035	0.05	Tr
456	Tr	0.03	Nil	485	.050	0.05	Nil
457	.055	0.01	Nil				
458	.005	0.02	Nil				
459	.015	0.03	Nil				

19,800 E

SHEET 10

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

BRADLEY MINING CO
MISSOURI MINING AND SMELTING
CHANTRY, IDAHO

February 27, 1953

D.M.&S.M. Progress Report for January, 1953

Contract Idm - A 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

Form MM-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

Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 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: % 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	1,703.71	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	18.85		
(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	4296.26	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 [signature] 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

January 20, 1953

D.M.E.A. PROGRESS REPORT FOR DECEMBER, 1952

Contract Idm - E173

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

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

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-2173, Exhibit A, Item 7

Per Contract Amendment No. 1 $300.00

Item 3 - Operating Materials and Supplies

Contract Idm-2173, 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, #PE14113P	.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 O	
274 gal.	Stove oil	49.86	
72 gal.	Gasoline	20.03	
3 gal.	Zerex Antifreeze	7.50	
23 gal.	Motor oil, #30	13.40 O	
6	Timken Carbide Bits, MCA 1-5/8	66.66 B	
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 S	
1 cyl.	Oxygen and demurrage	6.76	
6 ft.	Galv. vent pipe, 15"	7.02 P	
50 ft.	Galv. vent pipe, 12"	58.50 P	
182.5 ft.	Galv. vent pipe, 10"	116.20 P	
33 lbs.	Galv. wire, #12	3.18	
6	Dresser couplings, 3"	15.30 P	
1	Tee, 3"	1.86 P	
1	Plug, 3"	.49 P	
2	Bushings 3x2"	1.28 P	
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-E173, 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.[illegible]

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

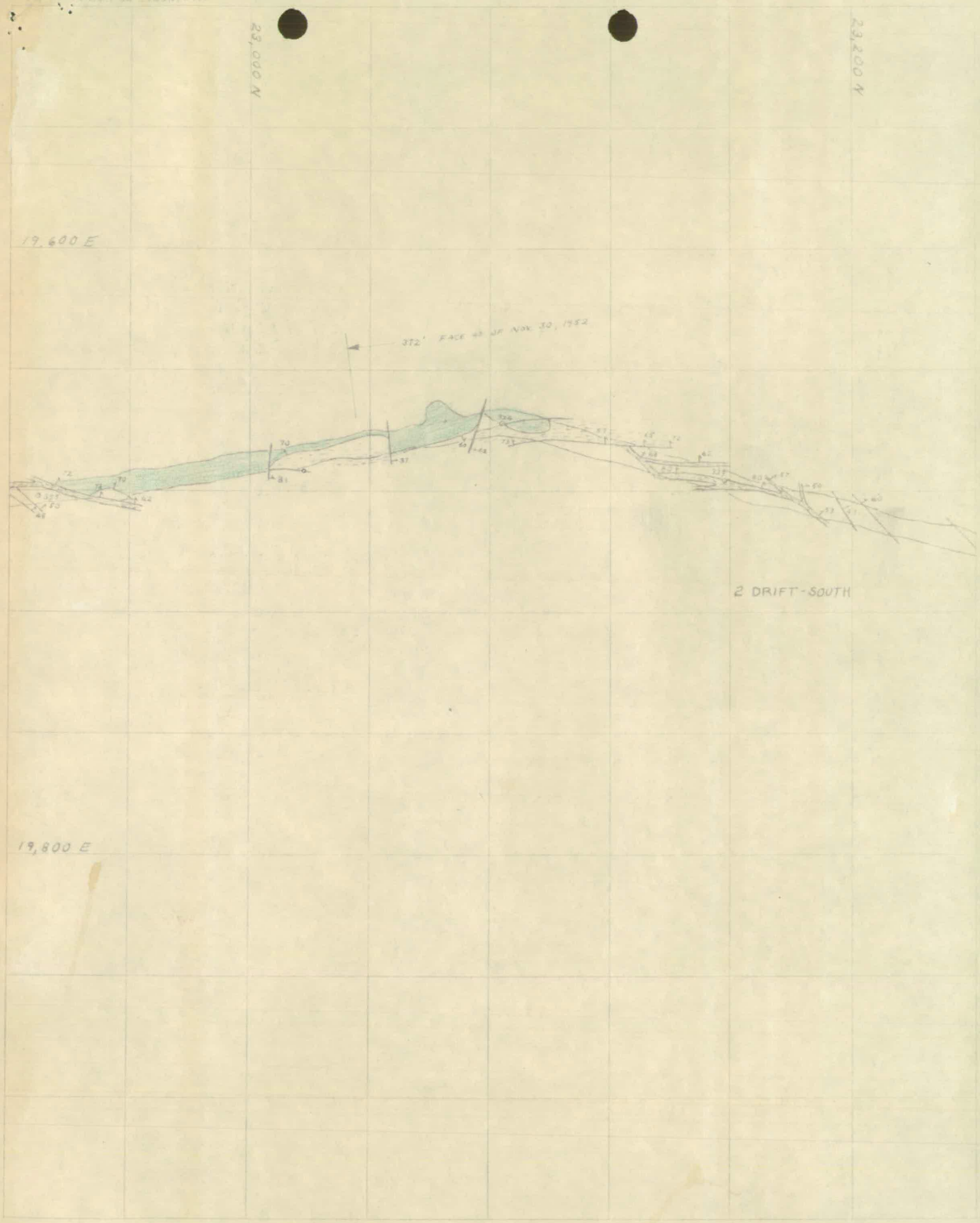
Bits and Shells -- Credits

1	Bx shell,	Serial	No.	N-1090	$ 43.95 S	
1	Ax shell	"	"	G-2764	31.22 S	
1	Ax shell	"	"	G-612	31.22 S	
1	Ax Bit	"	"	U-1769	92.65 B	
1	Ax Bit	"	"	S-122	92.65 B	
1	Ax Bit	"	"	U-1775	92.93 B	
1	Ax Bit	"	"	U-1771	92.65 B	
1	Ax Bit	"	"	N-222	92.65 B	
1	Ax Bit	"	"	N-221	92.65 B	
1	Ex shell	"	"	U-42	14.21 S	
1	Ex shell	"	"	G-611	43.12 S	
1	Ex shell	"	"	N-219	19.24 S	
1	Ex bit	"	"	U-43	37.58 B	
1	Ex bit	"	"	S-113	38.41 B	
1	Ex bit	"	"	G-605	38.41 B	
1	Ex bit	"	"	S-111	38.41 B	
1	Ex bit	"	"	G-607	38.41 B	
				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

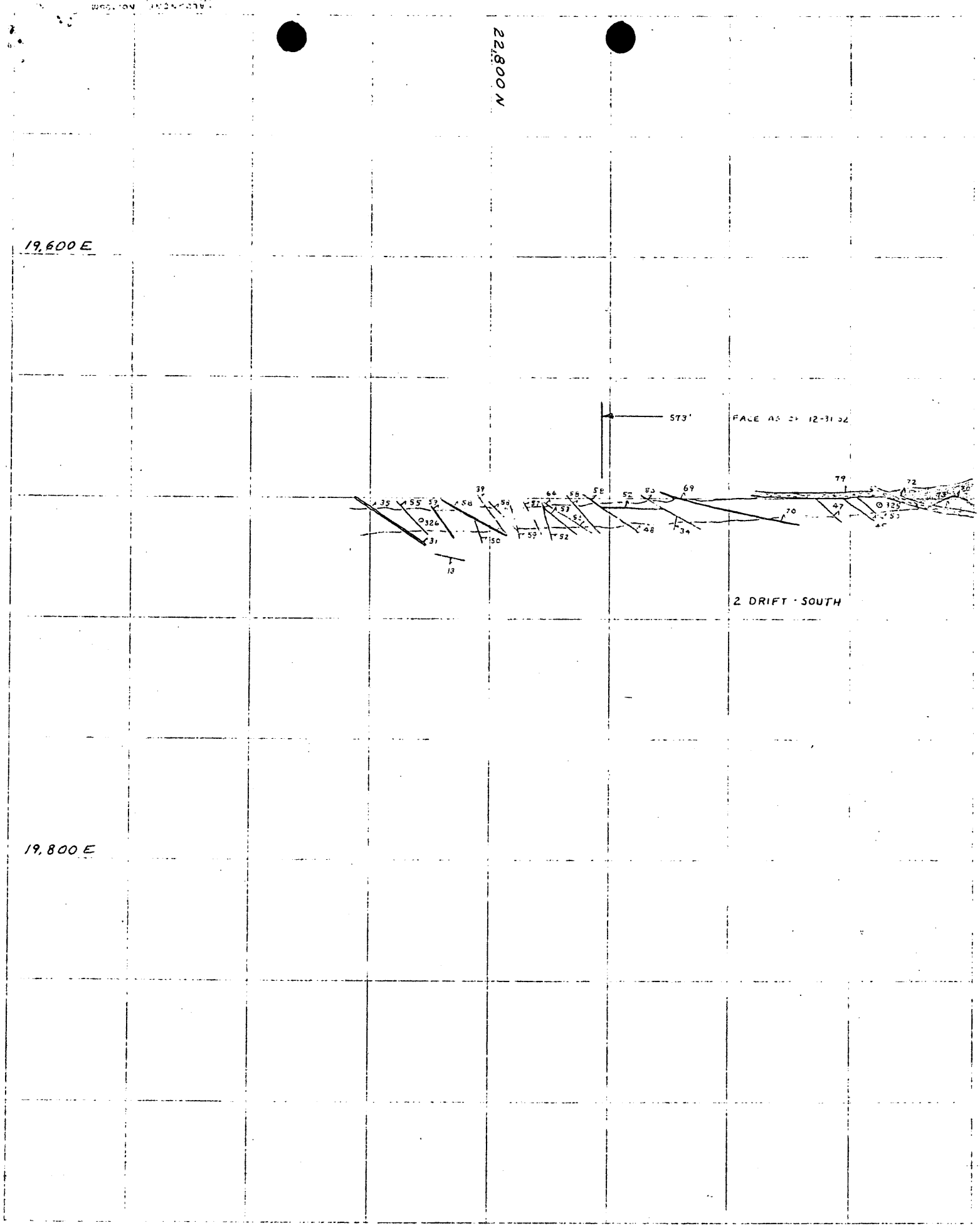
* Credit



SHEET 9

D.M.A. TUNNEL
GEOLOGY

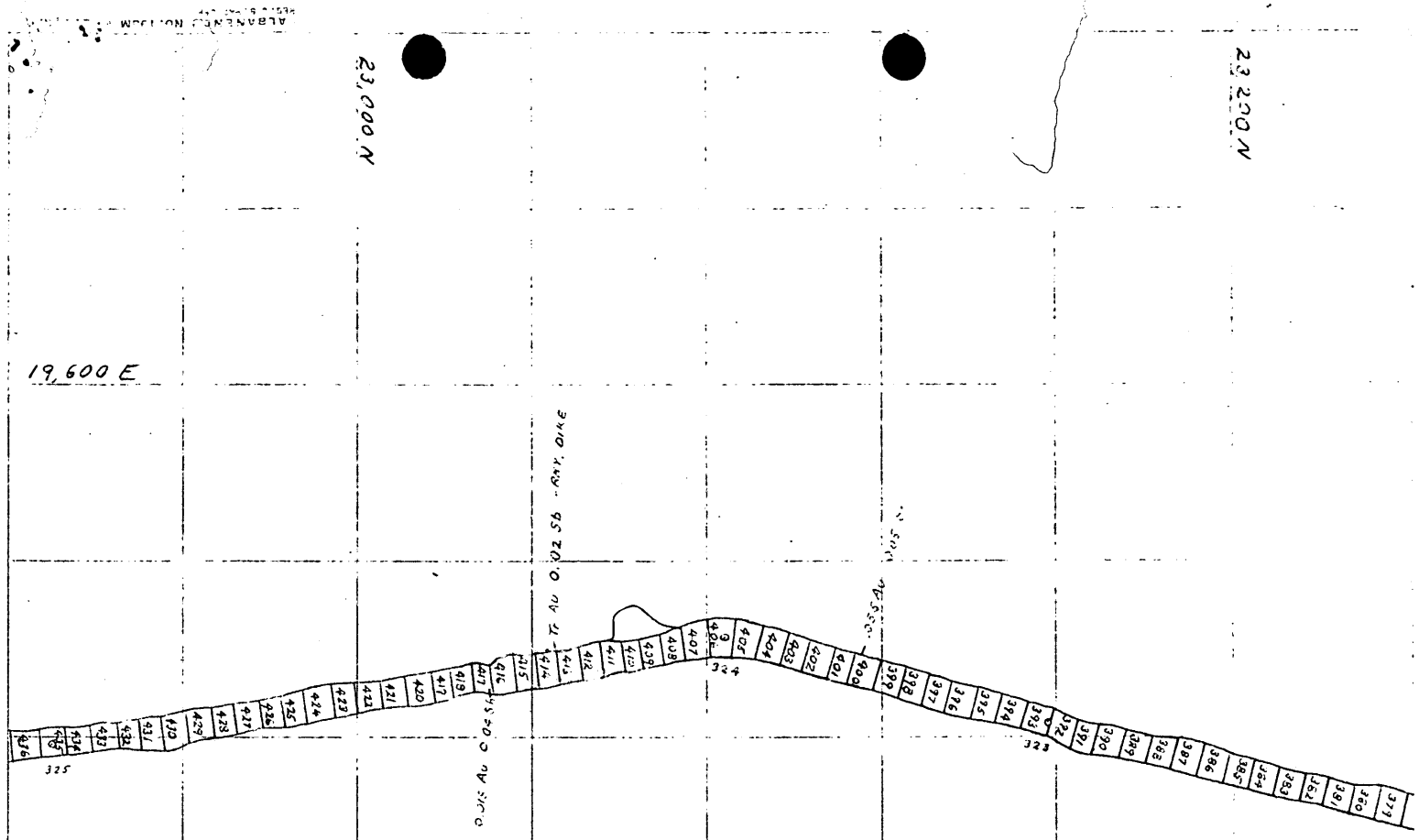
SCALE: 1" = 40'



SHEET 10

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
379	Tr	0.06	0.02	408	.015	0.08	Nil
380	Tr	0.08	Nil	409	.020	0.05	Nil
381	Tr	0.03	Nil	410	.010	0.05	Nil
382	Tr	0.04	Nil	411	.010	0.03	Nil
383	.005	0.03	Nil	412	.015	0.05	Nil
384	.010	0.07	0.03	413	.005	0.02	Nil
385	Tr	0.06	Tr	414	.010	0.05	Nil
386	.005	0.09	Nil	415	.010	0.04	Nil
387	.005	0.10	Nil	416	.010	0.11	Tr
388	Tr	0.13	Nil	417	.015	0.04	Nil
389	.005	0.10	Nil	418	.010	0.05	Nil
390	.005	0.10	Nil	419	.015	0.39	Nil
391	.010	0.03	0.04	420	.015	0.05	Nil
392	Tr	0.10	0.01	421	Tr	0.03	Nil
393	.020	0.07	Tr	422	Tr	0.01	Nil
394	.020	0.08	0.03	423	Tr	0.01	Nil
395	.010	0.04	Nil	424	Tr	0.01	Nil
396	.005	0.05	Nil	425	Tr	0.03	Nil
397	.020	0.06	Nil	426	Tr	0.04	Nil
398	.025	0.06	Tr	427	Tr	0.02	Nil
399	.025	0.06	Nil	428	Tr	0.01	Tr
400	.020	0.05	Tr	429	Tr	0.01	Nil
401	.025	0.06	Nil	430	Tr	0.01	Tr
402	.040	0.09	Nil	431	.005	0.02	Nil
403	.050	0.11	Nil	432	Tr	0.02	Nil
404	.025	0.05	Nil	433	.015	0.04	Nil
405	.025	0.08	Nil	434	[illegible]	[illegible]	Nil
406	.030	0.07	Nil	435	.020	0.06	Nil
407	.020	0.07	Nil	436	[illegible]	0.02	Nil

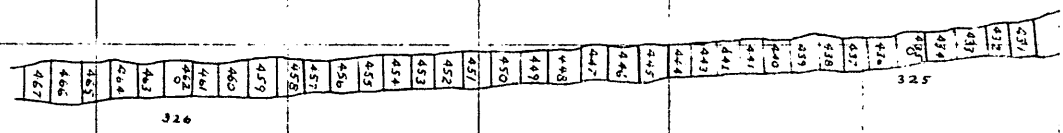
SHEET 9

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

22,800 N

19,600 E



CAR SAMPLES

No.	Au oz/TON	Sb %	WO_3 %	No.	Au oz/TON	Sb %	WO_3 %
431	.005	0.02	Nil	460	Tr	0.02	
432	Tr	0.02	Nil	461	.005	0.02	
433	.005	0.04	Nil	462	.005	0.03	
434	.020	0.06	Nil	463	.015	0.03	
435	.020	0.06	Nil	464	.010	0.03	
436	.005	0.05	Nil	465	.010	0.02	
437	Tr	0.04	Nil	466	.035	0.04	
438	Tr	0.02	Nil				
439	Tr	0.03	Nil				
440	.010	0.05	Nil				
441	.005	0.04	Nil				
442	.020	0.03	Tr				
443	.005	0.03	Nil				
444	.010	0.06	Nil				
445	.010	0.03	Nil				
446	.015	0.01	Nil				
447	.015	0.04	Nil				
448	Tr	0.02	Nil				
449	Tr	0.03					
450	Tr	0.01					
451	.005	0.02					
452	.020	0.05					
453	.010	0.01					
454	.010	0.02					
455	.010	0.02					
456	Tr	0.03					
457	.055	0.01					
458	.005	0.02					
459	.015	0.03					

19,800 E

SHEET 10

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40

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
1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
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			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	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. Zoldoke 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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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 G. Orton 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

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
			810	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 O	
100 gal.	Stove Oil	18.20	
102 gal.	Gasoline	29.48	
26 qt.	Zerex Antifreeze	16.25	
8 gal.	Motor Oil, #30	4.66 O	
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 B	
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 P	
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	
			$456.33

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 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, 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 S
1	Ax Bit, Serial No. U-1777	116.96 B
1	Ax Bit, Serial No. U-1774	116.84 B
1	Ax Bit, Serial No. N-221	114.66 B
1	Ax Bit, Serial No. U-1770	116.83 B
1	Ex Shell, Serial No. N-220	40.64 S
1	Ex Bit, Serial No. G-607	58.95 B
1	Ex Bit, Serial No. S-111	53.73 B
1	Ex Bit, Serial No. G-605	59.02 B
1	Ex Bit, Serial No. G-606	58.82 B
		$ 788.18

Bit and Shell Credits (for salvage value of diamonds)

1	Ax Shell, Serial No. U-50	$ 21.05 S
1	Ax Bit, Serial No. U-1776	79.62 B
1	Ax Bit, Serial No. S-126	79.62 B
1	Ax Bit, Serial No. U-1772	79.62 B
1	Ax Bit, Serial No. S-123	79.62 B
1	Ex Bit, Serial No. S-112	29.25 B
1	Ex Bit, Serial No. U-45	29.25 B
	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

COORDINATES: 23,607.0 N
19,727.9 E

ELEVATION: 6,632.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 4

BEARING: N 87° 00' E

INCLINATION: Minus 54°

Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Fresh granite	30	Nil	No sludge		Bx
5 - 10	" "	30	Nil	No sludge		Bx
10 - 15	" "	35	Nil	Tr	.02	Ax
15 - 20	" " to 18'. Aplite to 20'	35	Nil	Tr	.03	"
20 - 25	" "	50	Nil	.005	.03	"
25 - 30	" "	15	Nil	Tr	.02	"
30 - 35	" " to 33'. Aplite to 35'	55	Nil	Tr	.02	"
35- 40	Aplite; minor granite	40	Nil	Tr	.03	"
40 - 45	" " "	50	Nil	.010	.02	"
45 - 50	" " "	30	Nil	.005	.10	"
50 - 55	Altered granite, minor mineralization	50	Nil	.005	.04	"
55 - 60	" " some brecciation, minor mineralization	75	Nil	.015	.08	"
60 - 65	" " some aplite to 63', heavily brecciated 63-65'	60	Nil	.005	.06	"
65 - 70	Heavily brecciated with dark grey matrix to 67, altered granite with dense, hard, siliceous, dark grey seams to 70'	95	Nil	.005	.08	"
70 - 75	Altered granite with some brecciation. Several siliceous dark grey seams	80	Nil	.015	.06	"
75 - 80	Altered granite with some brecciation. Several siliceous dark grey seams	35	Nil	.015	.06	"
80 - 85	Broken, altered granite	25	Nil	Tr	.04	"
85 - 90	Broken, altered granite and aplite	35	Nil	Tr	.03	Ex
90 - 95	" " "	25	Nil	.010	.03	"
95 -100	" " " some brecciation	30	Nil	.005	.04	"
100-105	" " "	12	Nil	.005	.03	"
105-110	" " "	12	Nil	.015	.03	"
110-115	" " "	8	Nil	Tr	.04	"
115-120	" " "	5	Nil	Tr	.04	"
120-125	Fresh granite	65	Nil	Tr	.05	"

COORDINATES: 23,607.0 N
19,727.9 E
ELEVATION: 6,632.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 4

BEARING: N 87° 00' E
INCLINATION: Minus 54°
Page No. 2

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
125-130	Fresh granite, minor aplite	65	Nil	Tr	.07	Ex
130-135	" "	20	Nil	Tr	.05	"
135-140	Aplite, some fresh granite	20	Nil	Tr	.03	"
140-145	Aplite and fresh granite	55	Tr	Tr	.04	"
145-150	" " " "	55	Tr	Tr	.04	"
150-155	Granite; some brecciation	15	Nil	Tr	.56	"
155-160	Granite; aplite 159-160'; some brecciation	25	Nil	Tr	.05	"
160-165	Aplite; minor granite	30	Nil	Tr	.04	"
165-170	" " "	30	Nil	Tr	.03	"
170-175	Aplite	60	Nil	Tr	.04	"
175-180	Aplite. Minor granite 179-180'	60	Nil	Tr	.03	"
180-185	Granite; some brecciation	15	Nil	Tr	.03	"
185-190	" " "	15	Nil	Tr	.03	"
190-195	Fresh granite	20	Nil	Tr	.03	"
195-200	" "	20	Nil	Tr	.04	"
200-205	Slightly altered granite	12	Nil	Tr	.04	"
205-210	" " "	12	Nil	Tr	.03	"
210-215	Fresh granite	30	Nil	Tr	.05	"
215-220	" "	30	Nil	Tr	.03	"
220-225	" " , some aplite	45	Nil	Tr	;03	"
225-230	" "	40	Nil	Tr	.05	"
230-235	" "	20	Nil	Tr	.05	"
235-240	" "	20	Nil	Tr	.03	"
240-245	" " Very fine-grained granite 241-243' and 244-245'	80	Nil	Tr	.05	"
245-250	" "	40	Nil	Tr	.06	"
250-255	" "	35	Nil	Tr	.03	"
255-260	" " ; Aplite 258-260'	55	Nil	Tr	.04	"
260-265	" "	20	Nil	Tr	.04	"
265-270	" "	25	Nil	Tr	.03	"
270-275	Aplite and fine-grained granite	15	Nil	Tr	.02	"
275-280	" " " " "	15	Nil	Tr	.05	"
280-285	Slightly altered granite	20	Nil	Tr	.04	"
285-290	" " " ; minor aplite	25	Nil	Tr	.04	"

COORDINATES: 23,607.0 N
19,727.9 E

ELEVATION: 6,632.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 4

BEARING: N 87° 00' E

INCLINATION: Minus 54°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
290-292	Aplite and granite. Minor sulfides	15	Nil	.005	.03	Ex
292-296	Fresh granite	10	Nil	Tr	.02	"

End of hole at 296 feet.

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

DRILLER'S NOTES

Date Start: 10/31/52 Driller: Manning
Finish: 11/20/52 Helper: Barkell

Diamond Drill Hole No. DMA 4

Footage	Remarks
0 - 10	Fair core recovery, very broken fresh granite, no sludge saved. Cased to Ax.
10 - 25	Fair core recovery, mainly fresh granite, very broken. Milky sludge.
25 - 30	Poor core recovery, very broken granite, milky sludge.
30 - 35	Good core recovery. Very hard and brittle granite and aplite, milky sludge. Core blocked at 34 ft.
35 - 47	Fair core recovery. Very hard streaks, milky sludge.
47 - 50	Much softer, sludge turned blue-grey; gouge.
50 - 55	Fair core recovery. Medium hard, milky sludge.
55 - 75	Good core recovery, hard altered granite, blue sludge.
75 - 85	Fair core recovery. Soft rock, with gouge. Grey to milky sludge. Cased to Ex at 85 ft.
85 -110	Very poor core recovery. Soft and gougy rock, blue to grey sludge. Caving at 103 ft.
110-112	Gouge. Hole caved; cemented.
112-120	No core recovery. Gouge, grey sludge.
120-130	Good core recovery. Medium hard granite, milky grey sludge.
130-140	Poor core recovery. Soft and broken granite, milky grey sludge.
140-150	Fair core recovery. Medium hard and broken rock, milky grey sludge.
150-170	Poor core recovery. Very soft and gougy, milky grey sludge.
170-180	Good core recovery. Medium hard granite, milky sludge.
180-210	Poor core recovery. Soft and gougy granite, milky sludge. Hole caving at 100 and 190 feet.
210-220	Fair core recovery. Fresh granite, milky grey sludge. Hole caving badly; cemented.

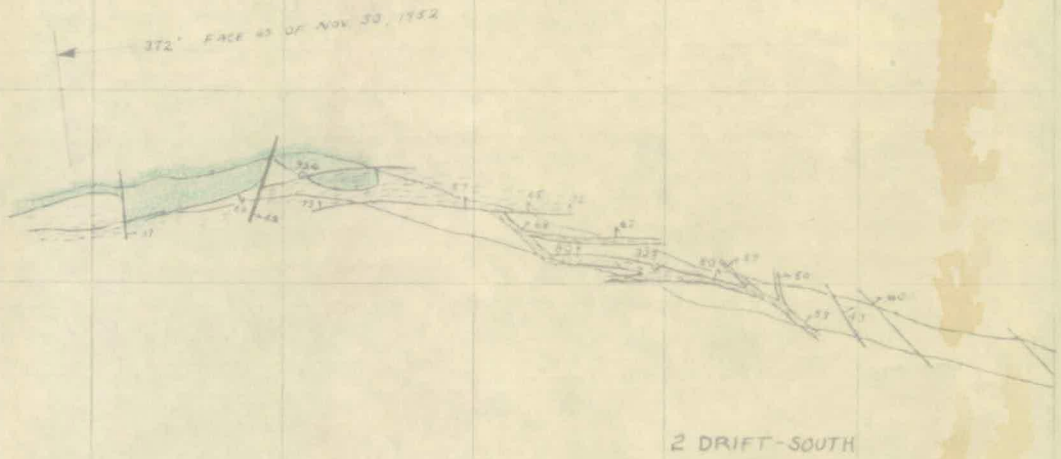
Footage	Remarks
220-230	Good core recovery. Fresh granite with some gouge. Milky grey sludge.
230-240	Poor core recovery. Very broken and gougy, milky blue and grey sludge. Hole caving, sand in bottom.
240-245	Very good core recovery. Fresh granite, blue and grey sludge. Hole caving.
245-255	Fair core recovery. Medium soft and gougy fresh granite. Milky grey sludge.
255-270	Good core recovery. Medium hard fresh granite, milky sludge.
270-280	Poor core recovery, milky sludge. Lost some core when rods were pulled. Sand in hole.
280-290	Fair core recovery. Fresh granite, milky sludge.
290-296	Poor to fair core recovery. Fresh granite, milky sludge.

End of hole

23,000 N

23,200 N

19,600 E

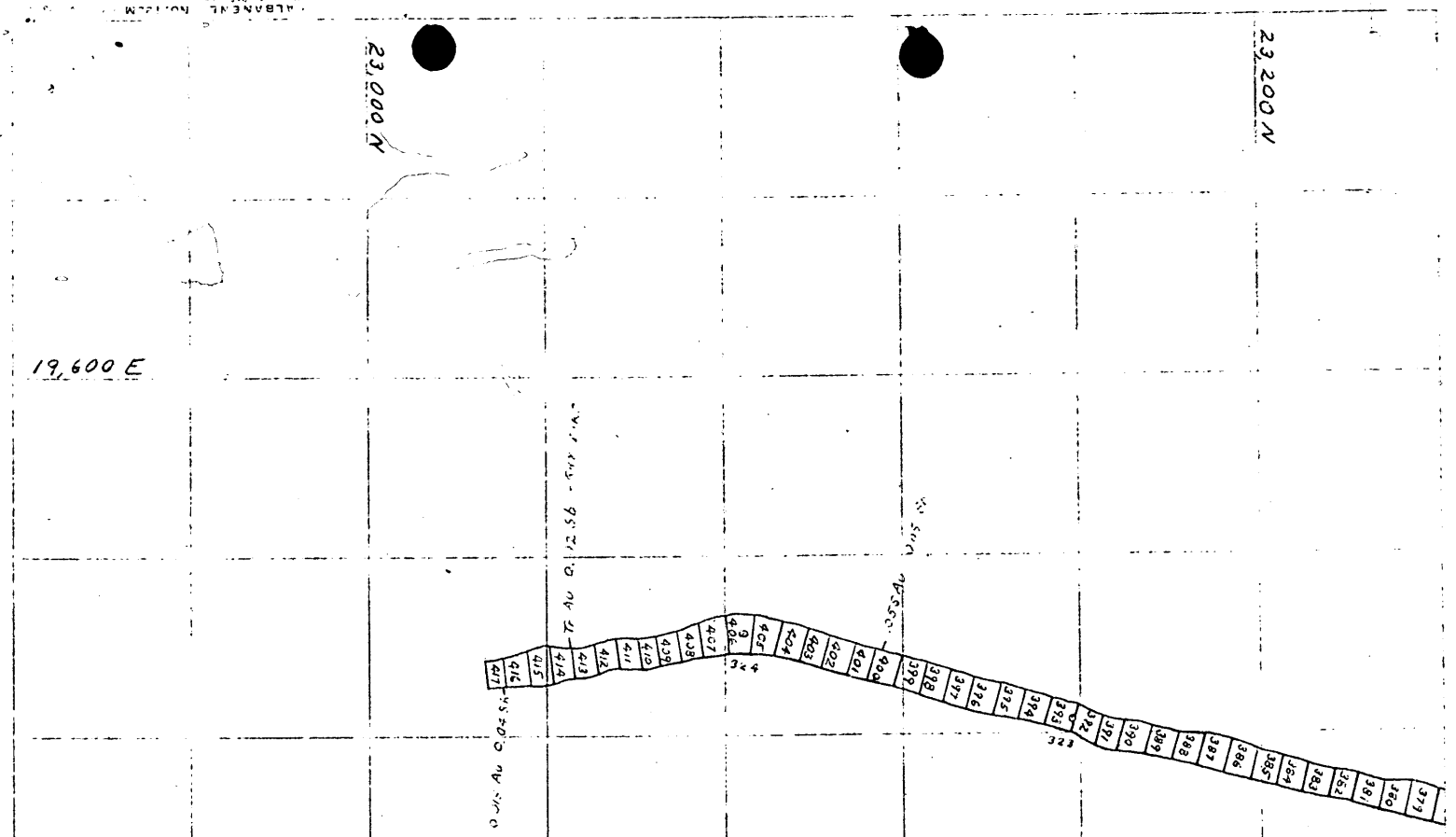


19,800 E

SHEET 9

D.M.A. TUNNEL
GEOLOGY

SCALE 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
379	Tr	0.06	0.02	408	.015	0.08	Nil
380	Tr	0.08	Nil	409	.020	0.05	Nil
381	Tr	0.03	Nil	410	.010	0.05	Nil
382	Tr	0.04	Nil	411	.010	0.03	Nil
383	.005	0.03	Nil	412	.015	0.05	Nil
384	.010	0.07	0.03	413	.005	0.02	Nil
385	Tr	0.06	Tr	414	.010	0.05	Nil
386	.005	0.09	Nil	415	.010	0.04	Nil
387	.005	0.10	Nil	416	.010	0.11	Tr
388	Tr	0.13	Nil	417	.015	0.04	Nil
389	.005	0.10	Nil				
390	.005	0.10	Nil				
391	.010	0.08	0.04				
392	Tr	0.10	0.01				
393	.020	0.09	Tr				
394	.020	0.08	0.03				
395	.010	0.04	Nil				
396	.005	0.05	Nil				
397	.020	0.06	Nil				
398	.025	0.06	Tr				
399	.025	0.06	Nil				
400	.020	0.05	Tr				
401	.025	0.06	Nil				
402	.040	0.09	Nil				
403	.050	0.11	Nil				
404	.025	0.05	Nil				
405	.025	0.08	Nil				
406	.030	0.07	Nil				
407	.020	0.07	Nil				

SHEET 9

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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/js

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. 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	2,307.30	19,378.13	21,685.43	223.84	19,378.13	21617.97
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 [illegible] (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. E173 in accordance with the terms of the contract.

Signature Horace L 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.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 18 1952

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 12/5/52 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

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 - B 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

176	hrs.	Straight Time at $1.97	$ 350.66	
30½	hrs.	Overtime (1½) at $1.97	90.13	
206½	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
Barkell	" "	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 mucking machine	28.28	
1	Door latch for Pickup	2.32	
			$ 36.50

Other

864 gal.	Diesel oil	$152.93 O	
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 O	
18 qt.	Starting fluid for Compressor	14.17 O	
6	Timken carbide bits, MCA 1-5/8	66.66 B	
1 lb.	Acid core solder	1.23	
1 keg	Track spikes	20.73	
7 ft.	Drill steel, 1" Hex	13.71 S	
4	Files, 3/8 x 8", for chain saw	3.45	
1	Check valve, 3/4"	2.40 P	
4	Pipe Nipples, 3/4 x 2"	.44 P	
2	Pipe Unions, 3/4"	1.56 P	
1	Street Elbow, 3/4"	.31 P	
1	Jaw worm and pin for wrench	.32	
1	Pin for 12" wrench	.09	
2	Pipe reducer bushings, 3 x 2"	.52 P	
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, 1⅛"	.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	
Tremmer	" "	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 8 - Contingencies

Power

Contract Idm - # 173, Exhibit A, Item 5

Not billed for October; will be charged next report

Repairs, Utilities and Misc. Surface Work

Contract Idm - # 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
Workman'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. Barkell - 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
Workmen'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	S
1	Ax shell, Serial No. G-612	50.72	S
1	Ax shell, Serial No. V-50	44.07	S
1	Ax Bit, Serial No. U-1772	116.78	B
1	Ax Bit, Serial No. S-122	112.50	B
1	Ax Bit, Serial No. N-222	114.72	B
1	Ax Bit, Serial No. U-1771	117.44	B
1	Ax Bit, Serial No. U-1775	117.02	B
1	Ex shell, Serial No. G-611	43.12	S
1	Ex shell, Serial No. N-219	40.64	S
1	Ex shell, Serial No. U-42	40.64	S
1	Ex Bit, Serial No. S-113	53.79	B
1	Ex Bit, Serial No. U-43	55.28	B
1	Ex Bit, Serial No. U-45	54.68	B
		$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 S
1	Ax bit, Serial No. S-117	85.21 B
1	Ax bit, Serial No. S-118	85.21 B
1	Ax bit, Serial No. S-119	85.21 B
1	Ex shell, Serial No. U-41	19.25 S
1	Ex bit, Serial No. U-47	38.65 B
1	Ex bit, Serial No. U-44	38.65 B
1	Ex bit, Serial No. S-110	38.65 B
	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 $3.00)

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

COORDINATES: 23,609.6 N

19,718.1 E

ELEVATION: 6,632.9

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 2

BEARING: N 89° 00' W

INCLINATION: Plus 2°

Page No. 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Fresh biotite granite, 10% aplite. Chlorite along fractures.	80				Bx
5 - 10	Fresh biotite granite. Chlorite along fractures.	60	Nil	Tr	.02	Bx
10 - 15	" " " " " "	20	Nil	Tr	.01	Ax
15 - 20	Fresh aplite, 10% granite. Gouge from 15 to 16'. Minor fine-grained pyrite in aplite.	25	Nil	Tr	.03	"
20 - 25	Fresh aplite, 20% granite	30	Nil	Tr	.02	"
25 - 30	Fresh biotite granite, chlorite along fractures.	35	Nil	Tr	.02	"
30 - 35	" " " " " "	50	Nil	Tr	.02	"
35 - 40	" " " to 37 ft. Rhyolite dike to 40 ft.	50	Nil	.005	.03	"
40 - 45	Rhyolite dike.	90	Nil	.020	.02	"
45 - 50	" "	10	Nil	.005	.02	"
50 - 55	Altered granite. Meadow Creek fault from 50 to 209 ft.	6	Nil	Tr	.04	"
55 - 60	Altered granite	6	Nil	Tr	.02	"
60 - 65	" "	4	Nil	Tr	.03	"
65 - 70	" " Some brecciation.	4	Nil	.005	.01	"
70 - 75	" " " "	6	Nil	.005	.03	"
75 - 80	" " " "	6	Nil	.005	.03	"
80 - 85	Altered, highly brecciated granite	50	Nil	.005	.02	"
85 - 90	" " " "	45	Nil	.010	.04	"
90 - 95	" " " "	35	Nil	.010	.04	"
95 -100	" " " "	35	Nil	.005	.03	"
100-105	" " " "	65	Nil	.005	.07	"
105-110	" " " "	70	Nil	.005	.07	"
110-115	" " " "	20	Nil	Tr	.03	"
115-120	" " " "	20	Nil	Tr	.04	"
120-125	" " " "	5	Nil	Tr	.03	"
125-130	" " " "	5	Nil	Tr	.02	"
130-135	" " " "	1	Nil	Tr	.02	"
135-140	" " " "	1	Nil	Tr	.03	"
140-145	No core	0	Nil	Tr	.02	"
145-150	No core	0	Nil	Tr	.02	"

COORDINATES: 23,609.6 N

19,718.1 E

ELEVATION: 6,632.9

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 2

BEARING: N 89° 00' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Core Size
150-155	No Core	0	Nil	Tr	.02	Ax
155-160	No Core	0	Nil	Tr	.01	"
160-165	Altered, highly brecciated granite	9	Nil	Tr	.02	"
165-170	" " " "	9	Nil	.005	.02	"
170-175	No Core	0	Nil	.005	.01	"
175-180	No Core	0	Nil	.005	.04	"
180-185	No Core	0	Nil	Tr	.03	Ex
185-190	Altered, highly brecciated granite	1	Nil	.005	.03	"
190-195	No Core	0	Nil	Tr	.03	"
195-200	No Core	0	Tr	Tr	.04	"
200-205	Altered, highly brecciated granite	5	Nil	Tr	.04	"
205-210	" " " " to 209 ft. Lamprophyre dike to 210 ft.	5	Nil	.030	.03	"
210-215	Lamprophyre dike	8	Nil	Tr	.03	"
215-220	" " , small stringers altered granite	5	Nil	Tr	.03	"
220-225	" " , altered granite from 223 to 224½'	23	Nil	Tr	.04	"
225-230	" " , small stringers altered granite 225 to 266'	25	Nil	.010	.04	"
230-235	" " to 232', fresh aplite and granite to 235'	12	Nil	.010	.05	"
235-240	Fresh biotite granite, some alteration 238 to 240'	10	Nil	Tr	.05	"
240-245	Slightly altered granite	3	Nil	Tr	.04	"
245-249	" " " to 246'. Fresh biotite granite to 249'	30	Nil	.030	.04	"

End of hole at 249 feet

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

DRILLER'S NOTES

Date Start: 10/3/52 Driller: Manning

Finish: 10/15/52 Helper: Barkell

DIAMOND DRILL HOLE NO. DMA - 2

Footage	Remarks
0 - 10	Good core recovery, milky sludge
10 - 35	Soft and broken rock. Poor core recovery, milky sludge
35 - 39	Rhyolite dike at approximately 37 feet. Fair core recovery, milky sludge
39 - 45	Rhyolite dike. Milky sludge, good core recovery
45 - 50	Rhyolite dike. Milky sludge, fair core recovery
50 - 70	Very soft rock. Very poor core recovery, milky sludge
70 - 90	Very soft rock. Very poor core recovery, blue to grey sludge. Hole caving at 75 feet.
90 -110	Very soft rock. Fair to poor core recovery, grey sludge. Hole caving at 75 feet.
110-120	Very soft and gougy rock. Poor core recovery, grey to white sludge.
120-190	Very soft and gougy rock. Very poor core recovery, large quantities white sludge -- hole washing. Cased to Ex at 175 feet.
190-209	Very soft and gougy rock. Very poor core recovery, grey sludge. Hole making some water.
209-235	Lamprophyre dike and altered granite. Poor to fair core recovery. Sludge varies in color -- blue, grey and white. Apparently dike stringers with gouge and altered granite in between.
235-249	Fresh granite. Poor to fair core recovery, milky grey sludge.

End of Hole

COORDINATES: 23,406.0 N
19,644.6 E
ELEVATION: 6,633.2

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 3

BEARING: S 71° 10' W
INCLINATION: Plus 1½°
Page No. 1

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Collared in rhyolite dike. Rhyolite dike 0-5'	70	No Sludge			Bx
5 - 10	Rhyolite dike	70	No Sludge			"
10 - 15	Altered and brecciated granite. Meadow Creek Fault	50	Tr	Tr	.04	Ax
15 - 20	" " " " " " "	50	Nil	.005	.05	"
20 - 25	" " " " " " "	10	Nil	.005	.03	"
25 - 30	" " " " " " "	10	Nil	.005	.04	"
30 - 35	" " " " " " "	95	Nil	Tr	.03	"
35 - 40	" " " " " " "	95	Nil	Tr	.04	"
40 - 45	" " " " " " "	55	Nil	.005	.03	"
45 - 50	" " " " " " "	55	Nil	Tr	.04	"
50 - 55	" " " " " " "	50	Nil	Tr	.03	"
55 - 60	" " " " " " "	50	Nil	.005	.03	"
60 - 65	" " " " " " "	55	Tr	.005	.02	"
65 - 70	" " " " " " "	55	Nil	Tr	.03	"
70 - 75	" " " " " " "	8	Nil	.005	.02	"
75 - 80	" " " " " " "	8	Nil	.035	.04	"
80 - 85	" " " " " " "	25	Nil	Tr	.04	"
85 - 90	" " " " " " "	25	Nil	Tr	.02	"
90 - 95	" " " " " " "	5	Nil	Tr	.02	"
95 -100	" " " " " " "	5	Nil	.015	.02	"
100-105	" " " " " " "	20	Nil	Tr	.02	"
105-110	" " " " " " "	20	Nil	.015	.02	"
110-115	" " " " " " "	12	Nil	.010	.03	"
115-120	" " " " " " "	12	Nil	.015	.03	"
120-125	" " " " " " "	5	Nil	Tr	.05	"
125-130	" " " " " " "	5	Nil	Tr	.03	"
130-135	" " " " " " "	5	Nil	Tr	.03	"
135-140	" " " " " " "	5	Tr	Tr	.03	"
140-145	" " " " " " "	15	Nil	Tr	.03	"
145-150	" " " " " " "	15	Nil	Tr	.03	"

COORDINATES: 23,406.0 N
19,644.6 E

ELEVATION: 6,633.2

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 3

BEARING: S 71° 10' W

INCLINATION: Plus 1½°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
150-155	Altered and brecciated granite to 153'. Lamprophyre dike from 153 to 155'	2	Nil	Tr	.02	BX
155-160	Lamprophyre dike	20	Tr	Tr	.02	"
160-165	Altered and brecciated granite	1	Nil	.005	.03	"
165-170	" " " "	2	Nil	Tr	.02	"
170-175	" " " "	2	Nil	Tr	.02	"
175-180	" " " "	2	Nil	Tr	.02	BX
180-185	" " " "	2	Nil	Tr	.03	"
185-190	" " " "	2	Nil	Tr	.02	"
190-196	" " " "	6	Nil	Tr	.02	"

End of hole at 196 ft.

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

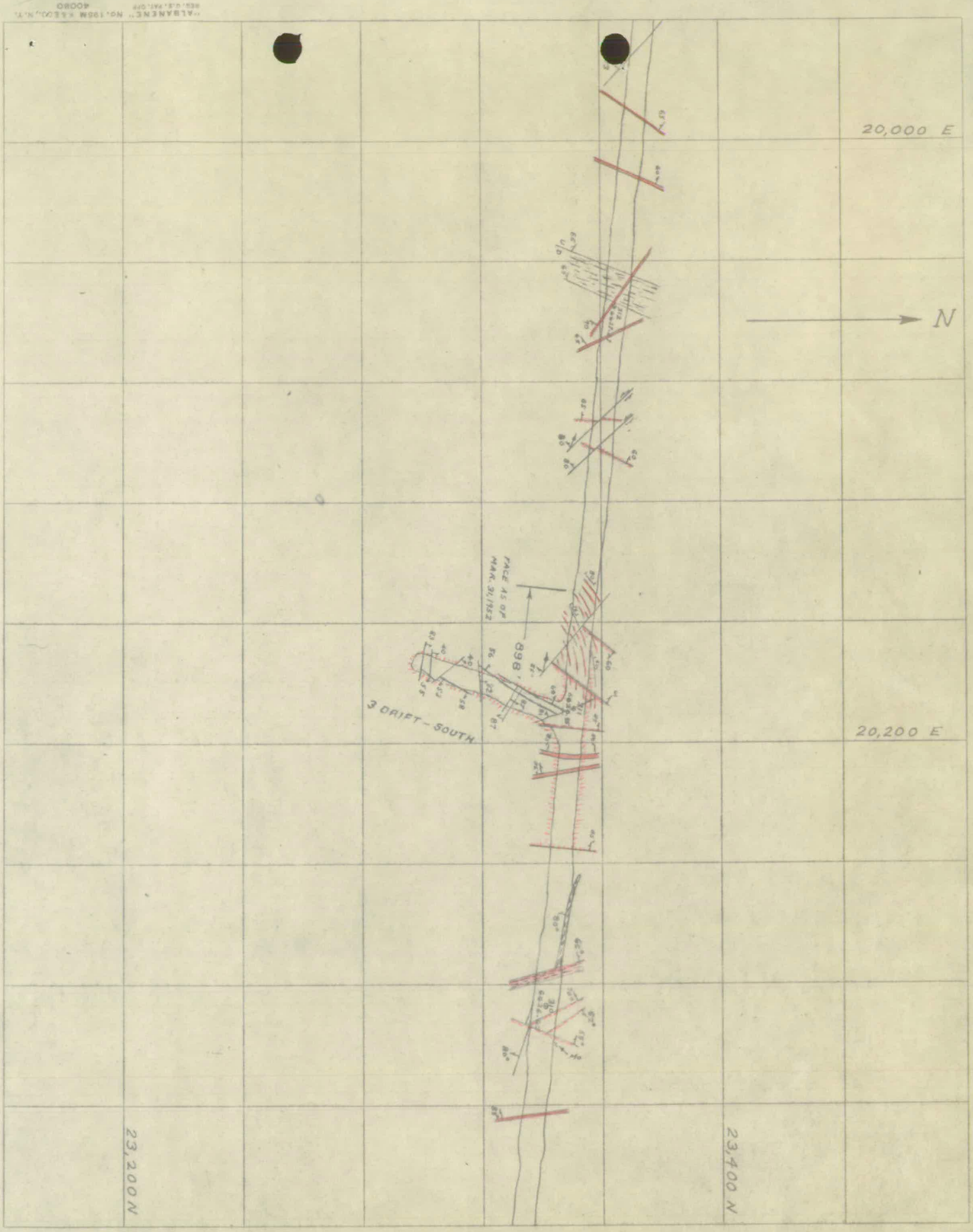
DRILLER'S NOTES

Date Start: 10/17/52 Driller: Manning

Finish: 10/23/52 Helper: Barkell

DIAMOND DRILL HOLE NO. DMA - 3

Footage	Remarks
0 - 10	Rhyolite dike. Good core recovery, milky sludge
10 - 20	Altered granite. Good core recovery, milky sludge
20 - 30	Very soft altered granite. Poor core recovery, grey sludge
30 - 40	Soft and broken altered granite. Excellent core recovery, milky to blue-grey sludge
40 - 70	Soft and broken rock, with gouge. Good core recovery, grey to milky sludge
70 - 154	Very soft and gougy rock. Poor core recovery, milky sludge
154-160	Lamprophyre dike at 154 ft. Core blocked. Fair core recovery, milky sludge. Hole caving and washing from 130 to 140 ft.
160-180	Fault. Practically no core recovery, milky sludge. Hole caving badly from 145 feet. Cased Ex to 150 feet.
180-190	Soft altered granite. Very little core recovery, milky sludge. Hole making water, silted in from 70 feet on.
190-196	Fault -- soft altered granite. Poor core recovery, milky sludge. Hole caved in completely at 155 feet.
	End of Hole

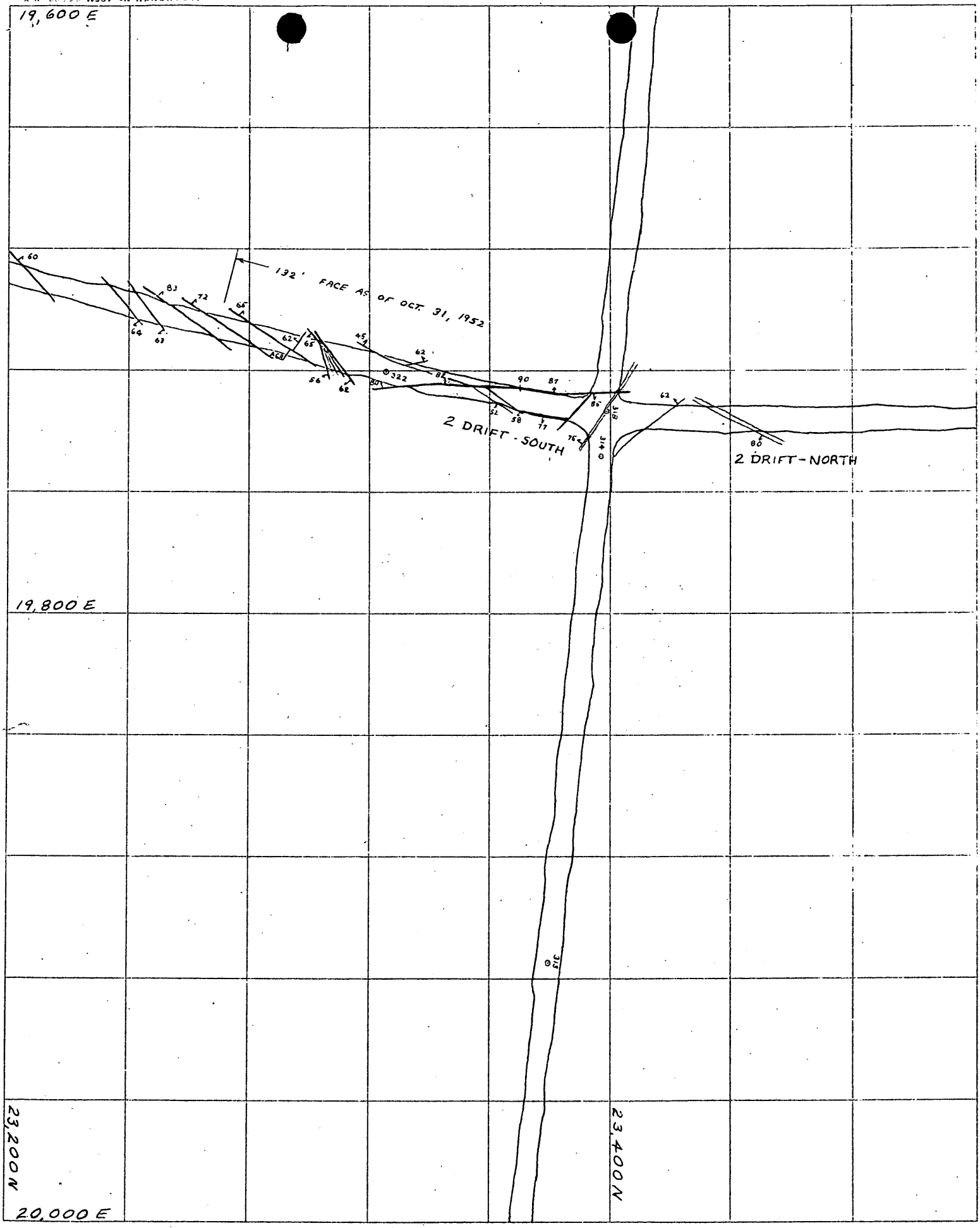


SHEET 3

DM.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

"ALBANENE" NO. 195M KEUFFEL & ESSER CO., N.Y.
REG. U.S. PAT. OFF.



SHEET 7

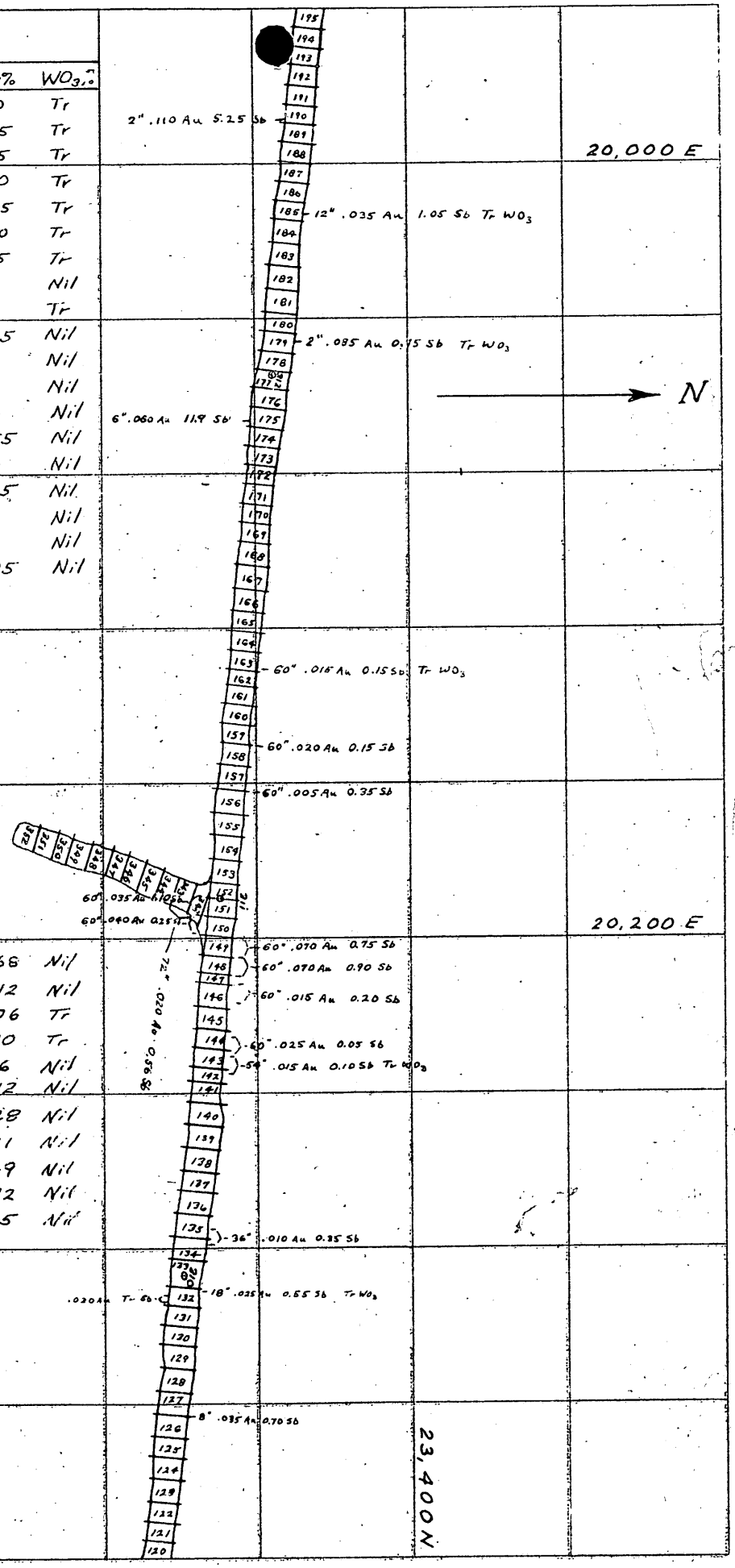
D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

"ALBANENE" No. 195M KEUFFEL & ESSER CO., N.Y.
REG. U.S. PAT. OFF. 40080

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
120	.015	Tr	Nil	177	.010	0.10	Tr
121	.010	Tr	Nil	178	.005	0.05	Tr
122	.005	Tr	Nil	179	Tr	0.05	Tr
123	.010	Tr	Nil	180	.005	0.10	Tr
124	.010	Tr	Nil	181	Tr	0.05	Tr
125	Tr	Tr	Nil	182	.005	0.30	Tr
126	Tr	Tr	Nil	183	.010	0.05	Tr
127	.005	Tr	Nil	184	.005	Tr	Nil
128	.005	Tr	Nil	185	Tr	Tr	Tr
129	Tr	Tr	Nil	186	Tr	0.05	Nil
130	.005	Tr	Nil	187	Tr	Tr	Nil
131	Tr	Tr	Nil	188	.050	Tr	Nil
132	Tr	Tr	Nil	189	.050	Tr	Nil
133	.005	Tr	Nil	190	Tr	0.55	Nil
134	Tr	Tr	Nil	191	Tr	Tr	Nil
135	.005	0.10	Nil	192	Tr	0.05	Nil
136	Tr	0.05	Nil	193	Tr	Tr	Nil
137	Tr	Tr	Nil	194	Tr	Tr	Nil
138	Tr	Tr	Nil	195	Tr	0.05	Nil
139	Tr	0.05	Nil				
140	.005	0.05	Nil				
141	.005	Tr	Nil				
142	Tr	Tr	Nil				
143	.010	Tr	Nil				
144	.010	Tr	Nil				
145	.005	0.10	Nil				
146	.005	Tr	Nil				
147	.030	0.50	Tr				
148	.045	0.60	Tr				
149	.035	0.75	Nil				
150	.040	0.05	Nil				
151	.020	0.90	Tr				
152	.010	0.10	Nil				
153	.010	Tr	Nil	342	.015	0.68	Nil
154	Tr	0.30	Tr	343	.010	0.12	Nil
155	.010	0.45	Tr	344	.020	0.06	Tr
156	.010	0.35	Tr	345	.020	0.10	Tr
157	.005	0.20	Nil	346	.015	0.16	Nil
158	.005	0.05	Nil	347	.010	0.12	Nil
159	.005	0.40	Nil	348	.015	0.28	Nil
160	.005	0.15	Nil	349	.040	0.31	Nil
161	.005	Nil	Tr	350	.030	0.49	Nil
162	.010	Nil	Tr	351	.030	0.32	Nil
163	.010	0.05	Tr	352	.090	0.15	Nil
164	.005	Tr	Nil				
165	.005	Tr	Nil				
166	Tr	Tr	Nil				
167	Tr	Tr	Nil				
168	Tr	Tr	Nil				
169	Tr	0.10	Nil				
170	.010	Tr	Nil				
171	.005	Tr	Tr				
172	.010	0.05	Nil				
173	.005	Tr	Nil				
174	.015	Tr	Nil				
175	.005	Tr	Tr				
176	.005	Tr	Tr				

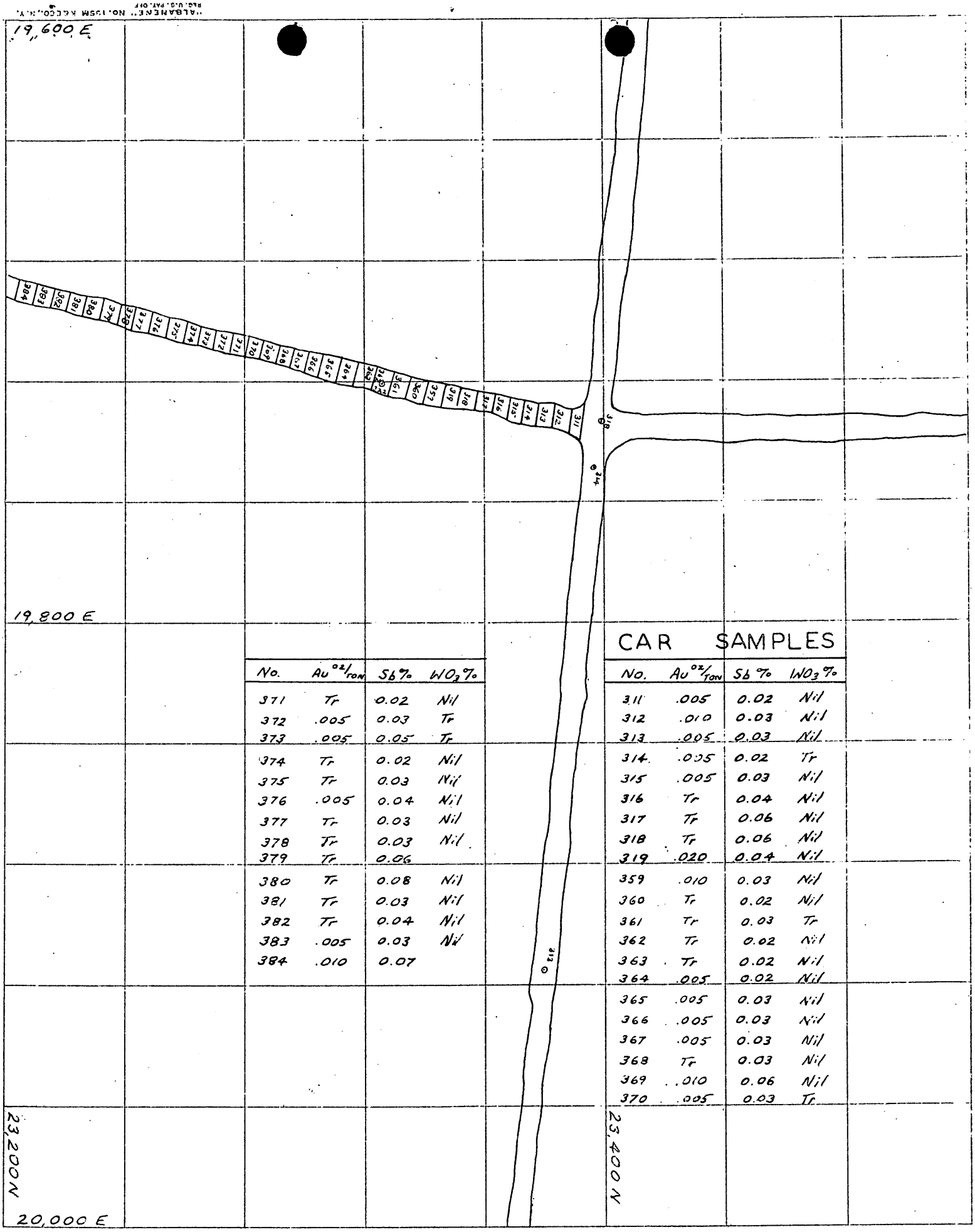


SHEET 3

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

"ALBANENE" NO. 1 DSM ACCOUNTS
REG. U.S. PAT. OFF.



No.	Au oz/ton	Sb %	WO_3 %
371	Tr	0.02	Nil
372	.005	0.03	Tr
373	.005	0.05	Tr
374	Tr	0.02	Nil
375	Tr	0.03	Nil
376	.005	0.04	Nil
377	Tr	0.03	Nil
378	Tr	0.03	Nil
379	Tr	0.06	
380	Tr	0.08	Nil
381	Tr	0.03	Nil
382	Tr	0.04	Nil
383	.005	0.03	Nil
384	.010	0.07	

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
311	.005	0.02	Nil
312	.010	0.03	Nil
313	.005	0.03	Nil
314	.005	0.02	Tr
315	.005	0.03	Nil
316	Tr	0.04	Nil
317	Tr	0.06	Nil
318	Tr	0.06	Nil
319	.020	0.04	Nil
359	.010	0.03	Nil
360	Tr	0.02	Nil
361	Tr	0.03	Tr
362	Tr	0.02	Nil
363	Tr	0.02	Nil
364	.005	0.02	Nil
365	.005	0.03	Nil
366	.005	0.03	Nil
367	.005	0.03	Nil
368	Tr	0.03	Nil
369	.010	0.06	Nil
370	.005	0.03	Tr

SHEET 7

D.M.A. TUNNEL ASSAY MAP

SCALE: 1" = 40'

November 10, 1952

D.M.E.A. PROGRESS REPORT FOR OCTOBER, 1952

Contract I4m-H 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

DMA-1284X

October 31, 1952

D.M.S.A. PROGRESS REPORT FOR SEPTEMBER, 1952

Contract Idm - # 173

Progress

September progress was below average. Total advance for the month was 89 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 5.56 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

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
DEC 4 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 1284X Contract No. Idm-B-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: 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	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		

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

Date 11/7/52 *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:

$

Signature [signature]
(Authorized Certifying Officer)

Date 11/26/52 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. E173 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
OCT 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. Idn - R 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. C. 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

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 - E 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	
19½ "	Overtime (1½)	at	1.515	44.31	
829.5 hrs.			Total Wages		$1,472.04
			F.O.A.B. Tax at 1.5%		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%		5.81
			Unemployment Ins. Tax at 1.2%		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
Longaere	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 O	
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 B	
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 P	
1	Pipe plug, 1/2"	.05 P	
1	Dayton coupling, 3"	2.55 P	
2	90° Galv. Ell, 3"	5.46 P	
2	Nipples, 3 x 6"	1.50 P	
2	Nipples, 3 x 4"	1.32 P	
4	Nipples, 1 x 4"	.83 P	
6	Nipples, 3/4 x 2"	.65 P	
2	Street Ells, 1"	.69 P	
2	45° Ells, 1"	.74 P	
6	Core Valves, 1"	14.10 P	
2	Core Valves, 1/2"	1.88 P	
6	Pipe bushings, 1/2 to 3/4"	.65 P	
6	Pipe bushings, 3/4 to 1"	1.15 P	
4	Galv. Unions, 3/4"	3.13 P	
			$407.42

Item 4 - Operating Equipment

Depreciation

Contract Idm - E 173, Exhibit A, Item 3

Compressor	(1 month)	$241.67	
Shovel Leader	" "	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 B	
1	Ax Shell, Serial No. U-49	44.13 S	
1	Ex Bit, Serial No. U-47	54.86 B	
1	Ex Bit, Serial No. S-112	53.79 B	
1	Ex Bit, Serial No. U-44	54.62 B	
1	Ex Bit, Serial No. S-110	53.73 B	
1	Ex Shell, Serial No. U-41	40.64 S	
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 other	
4	Bushings, 3/4 to 1"	.77 P	
3	Bushings, 1¼ to 1"	.39 P	
1	Bushing, 2 to 1½"	.23 P	
1	Gate Valve, 1"	7.09 P	
6	Nipples, 1 x 4"	1.25 P	
6	Nipples, 1 x 6"	1.58 P	
4	Nipples, 3/4 x 6"	.77 P	
4	Nipples, 1 x 2"	.62 P	
4	Nipples, 3/4 x 2"	.44 P	
2	Nipples, 3/4 x 4"	.58 P	
1	Tee, 2 x 3/4"	.84 P	
1	Tee, 4"	1.58 P	
4	Tees, 1"	1.64 P	
2	Ells, 3/4 x 90°	.53 P	
2	Ells, 3/4 x 45°	.51 P	
7	Spuds, 3/4"	5.32	
6	Spuds, 1"	5.82	
4	Sleeves, 1"	1.06 P	
	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

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,612.5 N
19,723.2 E

ELEVATION: 6,632.6

DIAMOND DRILL HOLE NO. DMA - 1

BEARING: N 2° 54' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Fresh biotite granite	35				Bx
5 -10	Fresh biotite granite, chlorite along fractures, 5% aplite	80				Bx
10 - 15	Mainly fresh aplite, some fresh granite	80	Nil	Tr	.03	Ax
15 - 20	Fresh biotite granite, 25% aplite	70	Nil	.005	.02	Ax
20 - 25	Fresh biotite granite, chlorite along fractures	80	Nil	Tr	.03	Ax
25 - 30	Fresh biotite granite, chlorite along fractures, 5% aplite	80	Nil	Tr	.02	Ax
30 - 35	Fresh biotite granite	95	Nil	Tr	.04	Ax
35- 40	Fresh biotite granite	45	Nil	Tr	.03	Ax
40 - 45	Fresh biotite granite, 20% aplite	45	Nil	Tr	.08	Ax
45 - 50	Fresh biotite granite	45	Nil	Tr	.04	Ax
50 - 55	Fresh biotite granite, 20% aplite	50	Nil	Tr	.03	Ax
55 - 60	70% fresh aplite, 30% fresh granite	30	Nil	.005	.06	Ax
60 - 65	Fresh biotite granite, 10% aplite	35	Nil	Tr	.03	Ax
65 - 70	Fresh biotite granite, 10% aplite, fine grained pyrite at 68'	70	Nil	Tr	.03	Ax
70 - 75	Fresh biotite granite	55	Nil	Tr	.03	Ax
75 - 80	Biotite granite, some brecciation	50	Nil	Tr	.04	Ax
80 - 85	Biotite granite, some brecciation, fine grained sulfides (mainly pyrite) in seams	85	Nil	.005	.04	Ax
85 - 90	Biotite granite, some brecciation	5	Nil	.005	.04	Ax
90 - 95	Biotite granite, some brecciation	8	Nil	Tr	.04	Ax
95 - 100	Biotite granite, some brecciation, fine grained sulfides (mainly pyrite) in seams	10	Nil	.010	.05	Ax
100-105	Biotite granite	15	.03	Tr	.05	Ax
105-110	Biotite granite	20	Tr	.005	.07	Ax
110-115	Biotite granite, minor brecciation	50	Nil	Tr	.11	Ax
115-120	Biotite granite, 20% aplite	60	Nil	Tr	.06	Ax

COORDINATES: 23,612.5 N

19,723.2 E

ELEVATION: 6,632.6

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA - 1

BEARING: N 2° 54' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
120-125	Biotite granite	85	Nil	.005	.10	Ax
125-130	Biotite granite, 10% aplite	65	Nil	.010	.06	Ax
130-135	Biotite granite	90	Nil	Tr	.04	Ax
135-140	Biotite granite, 10% aplite, few sulfides	80	Nil	Tr	.05	Ax
140-145	Biotite granite	80	Nil	Tr	.05	Ax
145-150	Biotite granite, 10% aplite	45	Nil	.010	.06	Ax
150-155	Fresh aplite, very little granite	75	Nil	Tr	.05	Ax
155-160	Fresh biotite granite	55	Nil	.010	.04	Ax
160-165	Fresh biotite granite	75	Nil	.005	.02	Ax
165-170	Fresh biotite granite, some brecciation at 170', few sulfides	45	Nil	Tr	.02	Ax
170-175	Granite, brecciated. Sulfides in stringers - mainly pyrite	50	Nil	Tr	.03	Ax
175-180	Aplite, some granite	7	Nil	Tr	.06	Ax
180-185	Aplite, some granite	25	Nil	.010	.01	Ax
185-190	Fresh granite, some aplite	50	Nil	Tr	.02	Ax
190-195	Fresh biotite granite	30	Nil	.010	.06	Ax
195-200	Fresh biotite granite, aplite from 198-200'	55	Nil	.020	.05	Ax
200-205	Fresh biotite granite, 10% aplite	60	Nil	.005	.07	Ax
205-210	Fresh biotite granite	25	Tr	Tr	.06	Ax
210-215	Fresh biotite granite, 5% aplite	65	Nil	.005	.08	Ax
215-220	Fresh biotite granite	30	Nil	Tr	.08	Ax
220-225	Fresh biotite granite	90	Nil	Tr	.03	Ex
225-230	Fresh biotite granite. Few fine grained sulfides at 229'	90	Nil	Tr	.03	Ex
230-235	Fresh biotite granite	85	Nil	.005	.04	Ex
235-240	Fresh biotite granite	95	Nil	.020	.24	Ex
240-245	Fresh biotite granite	40	Nil	Tr	.06	Ex
245-250	Fresh biotite granite, brecciated from 247 to 249'	95	Nil	Tr	.03	Ex
250-255	Fresh biotite granite, 50% aplite	10	Nil	Tr	.04	Ex
255-260	Fresh biotite granite, 50% aplite	10	Nil	Tr	.07	Ex
260-265	Fresh biotite granite,	15	Nil	Tr	.03	Ex
265-270	Fresh biotite granite	15	Nil	.005	.03	Ex
270-275	Fresh biotite granite	12	Nil	Tr	.04	Ex

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,612.5 N
19,723.2 E

DIAMOND DRILL HOLE NO. DMA - 1

ELEVATION: 6,632.6

BEARING: N 2° 54' W
INCLINATION: Plus 2°
Page No. 3

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
275-280	Fresh biotite granite	12	Nil	Tr	.02	Ex
280-285	Fresh biotite granite, 30% aplite	25	Nil	Tr	.03	Ex
285-290	Fresh biotite granite	25	Nil	.010	.06	Ex
290-295	Fresh biotite granite, 10% aplite	40	Tr	.005	.03	Ex
295-300	Fresh biotite granite	40	Tr	.005	.03	Ex
300-305	Fresh biotite granite	7	Nil	Tr	.04	Ex
305-310	Fresh biotite granite	7	Nil	Tr	.03	Ex
310-315	Fresh biotite granite	25	Nil	Tr	.04	Ex
315-320	Fresh biotite granite, 25% aplite	30	Nil	Tr	.05	Ex
320-325	Fresh biotite granite	17	Nil	.005	.03	Ex
325-330	Fresh biotite granite	17	Nil	.005	.03	Ex
330-335	Fresh biotite granite and aplite	3	Nil	.005	.15	Ex
335-340	Fresh biotite granite and aplite	3	Nil	.015	.12	Ex
340-345	Fresh biotite granite, 25% aplite	10	Nil	.005	.05	Ex
345-350	Fresh biotite granite, 25% aplite	10	Nil	.010	.37	Ex
350-355	Fresh biotite granite	12	Nil	Tr	.06	Ex
355-360	Fresh biotite granite, 10% aplite	14	Nil	.005	.02	Ex
360-365	Fresh biotite granite, 10% aplite	20	Nil	.005	.03	Ex
365-370	Fresh biotite granite, 10% aplite	20	Nil	Tr	.04	Ex
370-375	Fresh biotite granite, 10% aplite	20	Nil	Tr	.10	Ex
375-380	Fresh biotite granite	20	Nil	Tr	.13	Ex
380-385	Fresh biotite granite	10	Nil	Tr	.02	Ex
385-390	Fresh biotite granite	10	Nil	Tr	.02	Ex
390-395	Fresh biotite granite	25	Nil	.005	.03	Ex
395-400	Fresh biotite granite	25	Tr	.060	.03	Ex

End of hole at 400 ft.

Note: All assays are sludge assays. Trace and nil values of WO_3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

DRILLER'S NOTES

Date Start: 9/10/52
Finish: 10/1/52

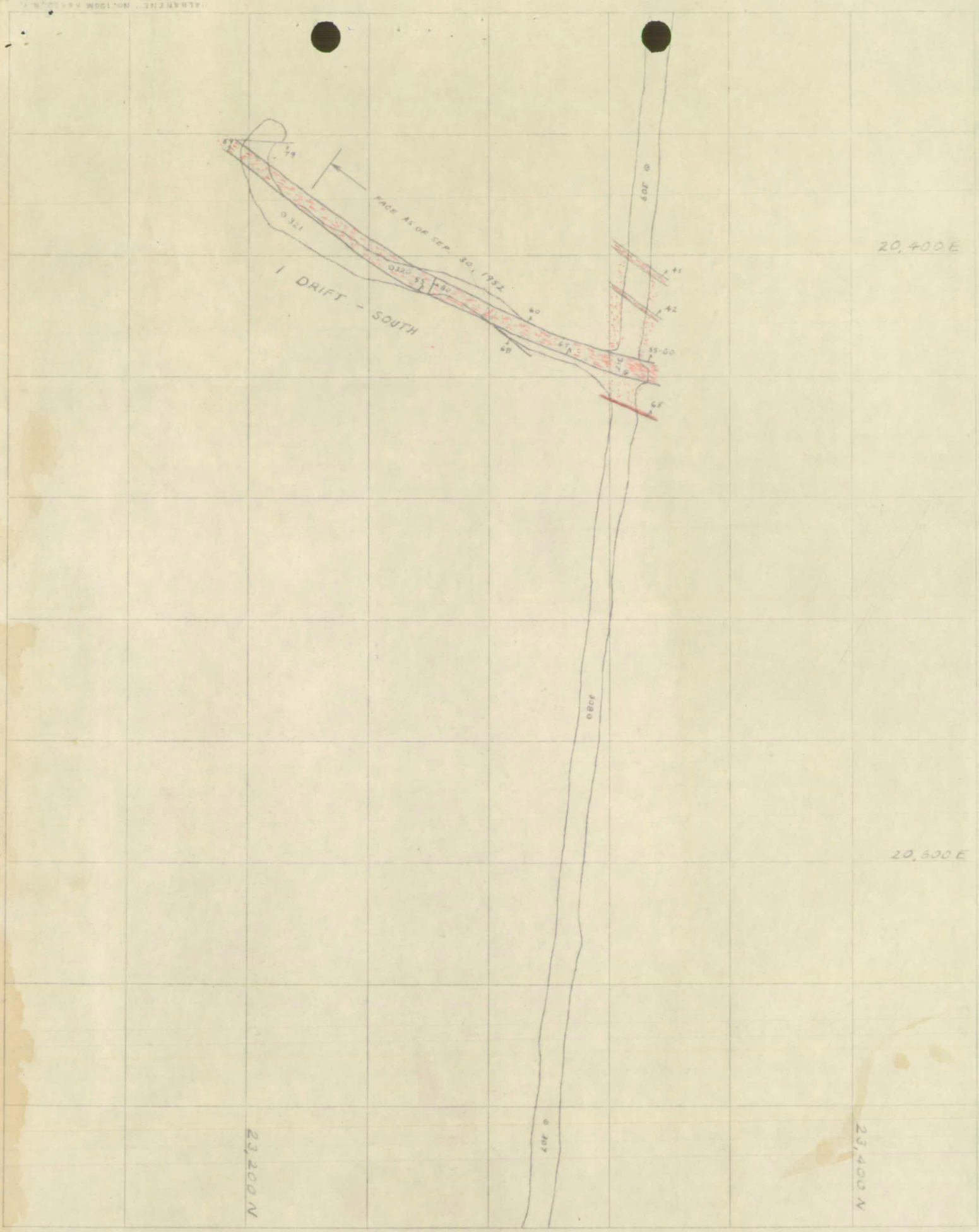
Driller: Manning
Helper: Barkell

DIAMOND DRILL HOLE NO. DMA - 1

Footage	Remarks
0 - 10	Collared in fairly hard aplite. Good core recovery, milky sludge.
10 - 25	Very broken. 50% core recovery, milky sludge.
25 - 30	Harder rock. 95% core recovery, milky sludge.
30 - 35	Very hard rock. 100% core recovery.
35 - 40	Very hard and broken. 40% core recovery, milky sludge.
40 - 60	Softer rock with hard streaks. 25% core recovery.
60 - 65	Very soft and broken with hard streaks. Milky sludge.
65 - 70	Rock harder and fractured. 75% core recovery, milky sludge.
70 - 75	Soft rock with hard streaks, very broken. 60% core recovery, milky sludge.
75 - 80	Soft and broken rock. 60% core recovery, milky blue sludge.
80 - 85	Hard and broken rock. 95% core, milky blue sludge.
85 - 100	Very soft and caving. No core, milky blue sludge.
100-110	Soft and caving. 10% core, milky sludge.
110-120	Harder and broken rock. 60% core recovery, milky sludge.
120-135	Very hard rock. 85% core recovery, milky sludge.
135-140	Very hard rock. 90% core recovery, milky blue sludge. Hole caving, lots of sludge.
140-145	Hard and broken granite. 90% core recovery, milky blue sludge.
145-150	Medium hard, broken granite. 40% core recovery, milky sludge.
150-160	Very hard, broken granite. 70% core recovery, milky sludge.

160-161	Core blocked. Very hard and broken.
161-165	Hard granite. 90% core recovery, milky sludge.
165-170	Softer rock, some sulfides. 50% core recovery, blue-grey sludge.
170-175	Soft and broken rock. 40% core recovery, bluish sludge.
175-185	Soft and broken rock. 5 - 10% core recovery, grey sludge.
185-190	Harder rock. 50% core recovery, grey sludge.
190-192	Fairly hard, broken rock. Core blocked. 50% core recovery, milky sludge.
192-195	Fairly hard rock. 1% core; ground core.
195-196	Hard rock, core blocked. 1% core recovery, milky sludge.
196-198	Hard rock. 80% core recovery, milky sludge.
198-200	Hard rock, core blocked. No core recovery, milky sludge.
200-205	Medium hard, broken rock. 60% core recovery, milky sludge.
205-209	Soft rock with hard broken streaks. 30% core recovery, milky sludge. Core blocked.
209-215	Hard rock with soft streaks. 65% core recovery, milky sludge.
215-220	Hard rock with soft streaks. 25% core recovery, milky sludge.
220-240	Medium hard rock. 100% core, grey sludge.
240-245	Softer rock. 40% core recovery, blue sludge, some gouge.
245-250	Medium soft rock. 95% core recovery, grey sludge.
250-280	Very soft rock, with gouge. 0-5% core recovery, blue-grey sludge.
280-310	Soft and broken rock. 5-30% core recovery, grey sludge.
310-313	Medium hard rock, with gouge. 35% core recovery, milky grey sludge.
313-318	Extremely hard rock. 30% core recovery, milky grey sludge.

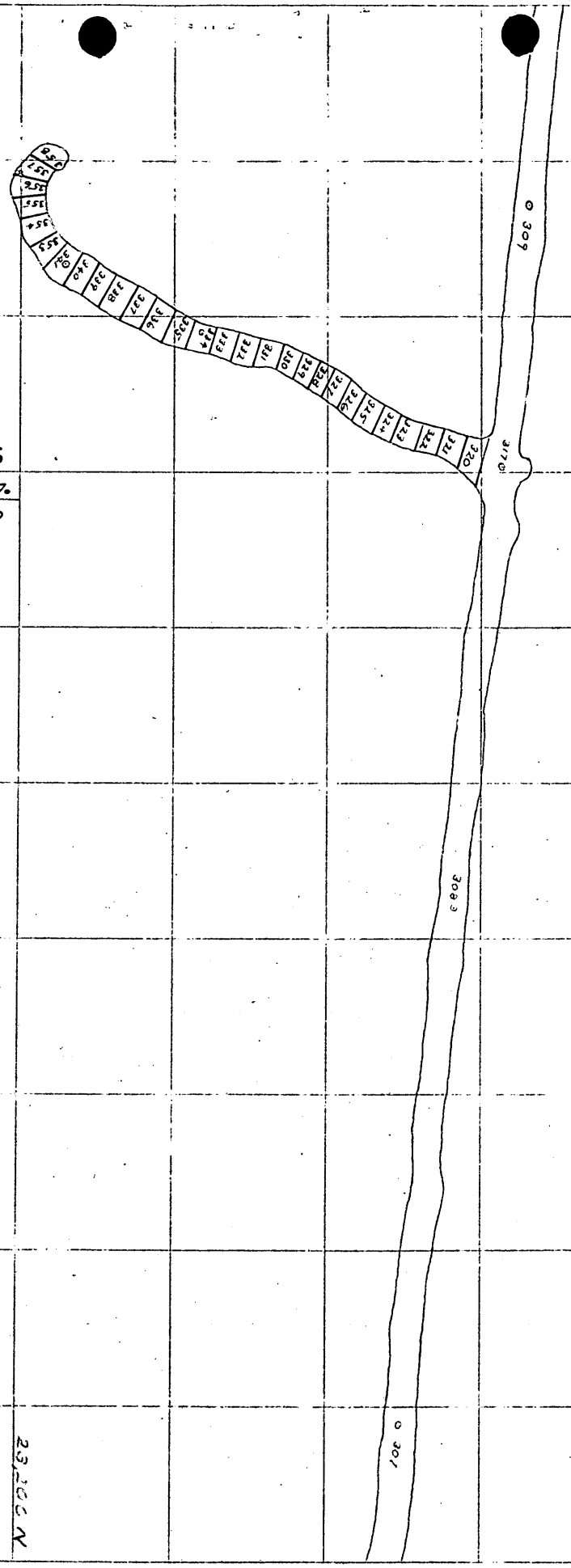
318-330	Soft rock with hard streaks. 15% core recovery, milky grey sludge.
330-340	Very soft, gouge. No core, blue-grey sludge.
340-350	Soft and broken rock. No core recovery, grey sludge.
350-352	Core blocked.
352-360	Soft and broken rock. 5% core recovery, milky grey sludge.
360-370	Soft and broken rock. 20% core recovery, milky grey sludge.
370-390	Soft and gougy rock. 20% core, grey sludge.
390-400	Soft and gougy rock. 40% core, grey sludge.
	End of hole



SHEET 8

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
320	.020	0.25	0.20
321	.010	0.10	
322	.015	0.11	Nil
323	.030	0.14	Nil
324	.020	0.19	Tr +
325	.010	0.18	Tr
326	.025	0.26	Tr +
327	.025	0.16	Tr
328	.005	0.14	Nil
329	.005	0.13	Nil
330	.015	0.10	Tr
331	.030	0.05	Nil
332	.020	0.07	Nil
333	.025	0.06	Nil
334	.005	0.10	Nil
335	.010	0.06	Nil
336	.015	0.06	Nil
337	.010	0.08	Nil
338	.025	0.07	0.04
339	Tr	0.03	Nil
340	Tr	0.02	Nil
341	.005	0.02	Nil
353	.025	0.02	Nil
354	.045	0.11	Nil
355	.040	0.13	Nil
356	.040	0.14	Nil
357	.010	0.07	Nil
358	.010	0.03	Nil

SHEET 8

D.M.A. TUNNEL ASSAY MAP

SCALE: 1" = 40'

1284X

COPY

September 26, 1952

D.M.E.A. PROGRESS REPORT FOR AUGUST, 1952

Contract Idm-X 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. 60-R1036.3.
Approval expires [illegible]-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 1284 Contract No. 1[illegible]-173
Operator's Name Bradley Mining Co. Minerals [illegible]
Address Wallace, Idaho
Contract Amount, $ 97,367.00 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	[illegible]	15,100.00	17,200.65			
Supervision	1,398.93	4,000.41	4,399.34			
Technical Services	300.00	1,500.00	1,800.00			
(3) Operating Mat'ls. and Supplies:						
Timber	201.19	3,294.00	3,555.46			
Explosives	211.09	3,930.56	4,141.65			
Pipe	70.73	93.08	163.81			
Track	290.66	156.00	447.66			
Repair parts	112.56	645.57	758.07			
Other	309.82	7,555.59	7,865.41			
(4) Operating Equipment:						
Rental						
Purchase		9,550.00	9,550.00			
Depreciation		4,200.00	4,200.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		5,570.76	5,570.76			
(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	50.77	290.97	341.74			
Repairs, Utilities & Misc. Surface Wk.	1,435.74	1,044.88	2,480.62			
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:

$ 3,741.17

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
OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

Month of August 1952 Docket No. DMEA 1284 Contract No. Ida-0173
Operator's Name Bradley Mining Co. Minerals Mercury
Address Ketchum, 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	238	8,266.81	299	27.65	13,000	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				9,556.00				9,735.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				5,578.76				7,000.00
Total Costs		4986.23		63,130.60				27,368.00

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 G. Olston 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 Stan.	Hours OTime	Stan.	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
Longacre	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

173.5 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 P	
5000 Ft.	Fuse	58.59 F	
			$ 511.09

Item 3 - Operating Materials and Supplies - continued

Pipe

42	Ft.	Galv. Pipe, 2"	$ 30.77 P	
63	Ft.	Black Pipe, 2"	24.61 P	
84	Ft.	Black Pipe, 1"	15.35 P	
				$ 70.73

Track

742	Ft.	Rail, 20#	$290.86	
				$290.86

T

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 - O	
29	gal.	Stove oil	5.28	
92	gal.	Gasoline	25.26	
12	gal.	Motor oil, #30	7.00 - O	
1	bbl.	Quaker State Motor Oil, #10	29.74 - O	
1	set	Threading dies, 1"	2.98	
1		Mill Bastard File, 12"	.57	
2		Mill Bastard File, 10"	.87	
4		Unions, 2"	8.76 - P	
2		Plugs, 1"	.17 - P	
6		Plugs, 3/4"	.60 - P	
6		Plugs, 1/2"	.28 - P	
1		Iron Cock Valve	2.94 - P	
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, F-50	2.22	
2		Oil Filters, X-17	2.22	
1		Oil Filter, A-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

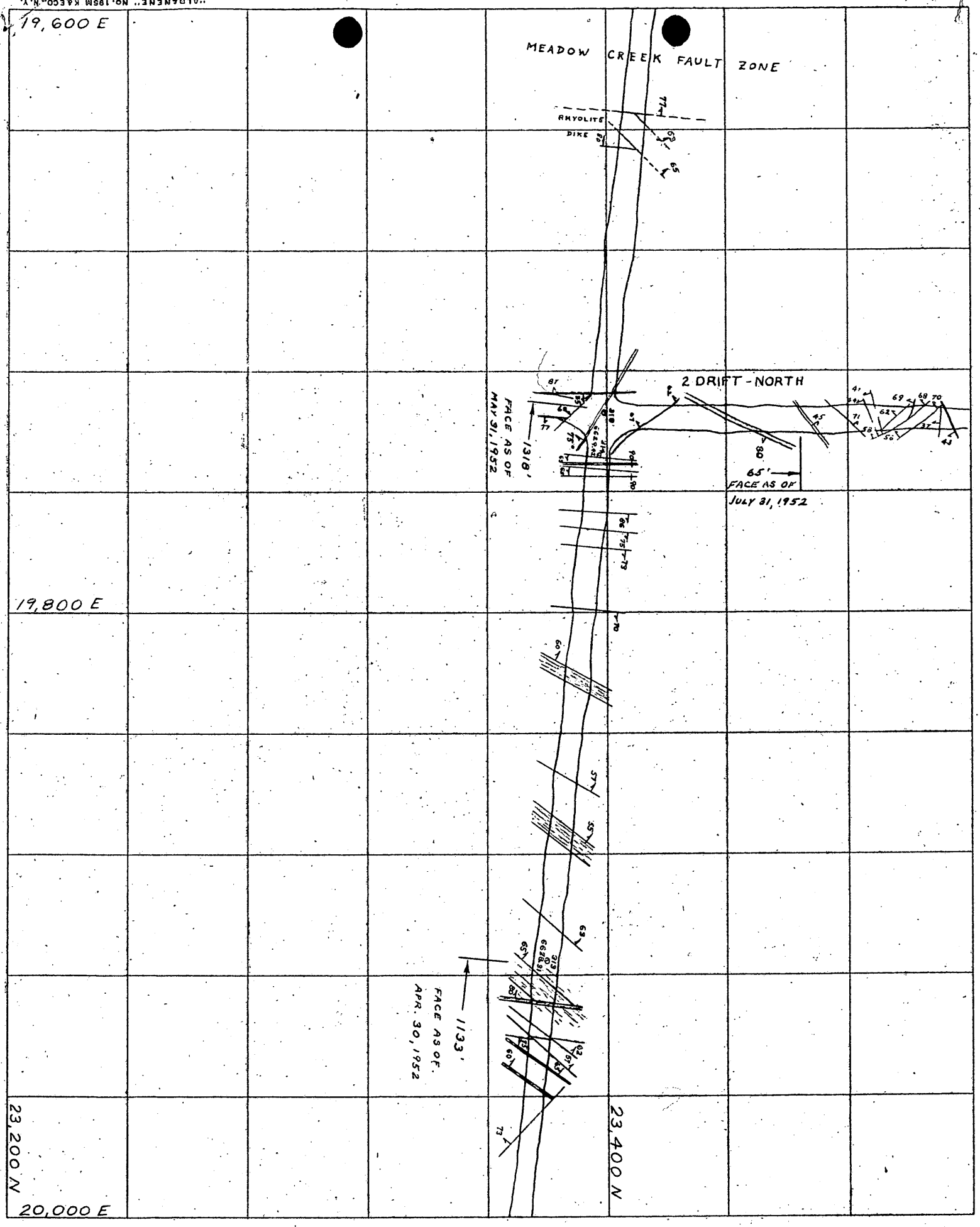
F.O.A.B. Tax at 1.5%	$ .85	
Unemployment Ins. Tax at 1.2%	.68	
Workman's Comp. Ins. at $1.30 ($ 7.10)	.09	
at $1.65 ($49.70)	.82	2.44
		$ 59.24

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

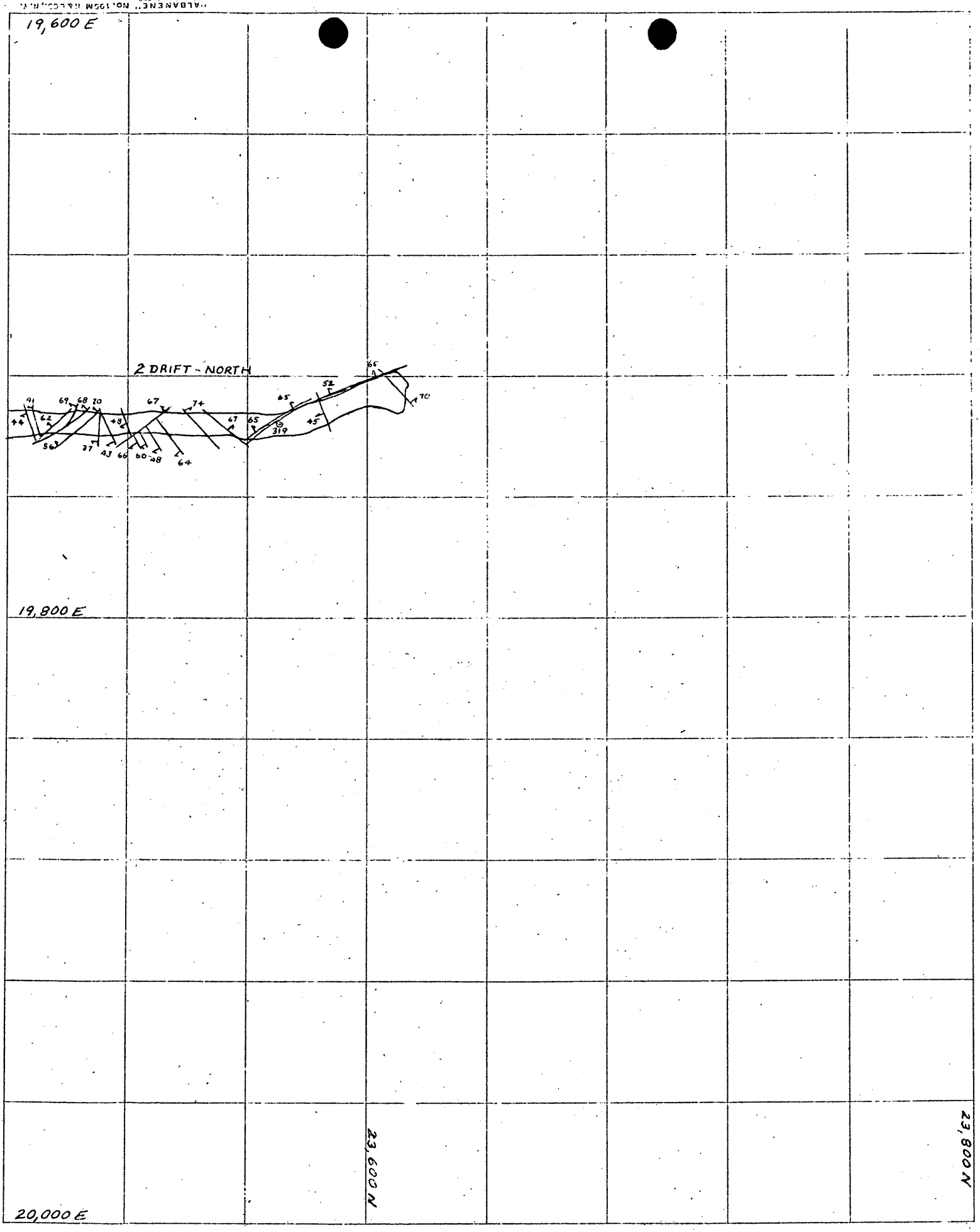
"ALDANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF. 40080



SHEET 4

D.M.A. TUNNEL
GEOLOGY

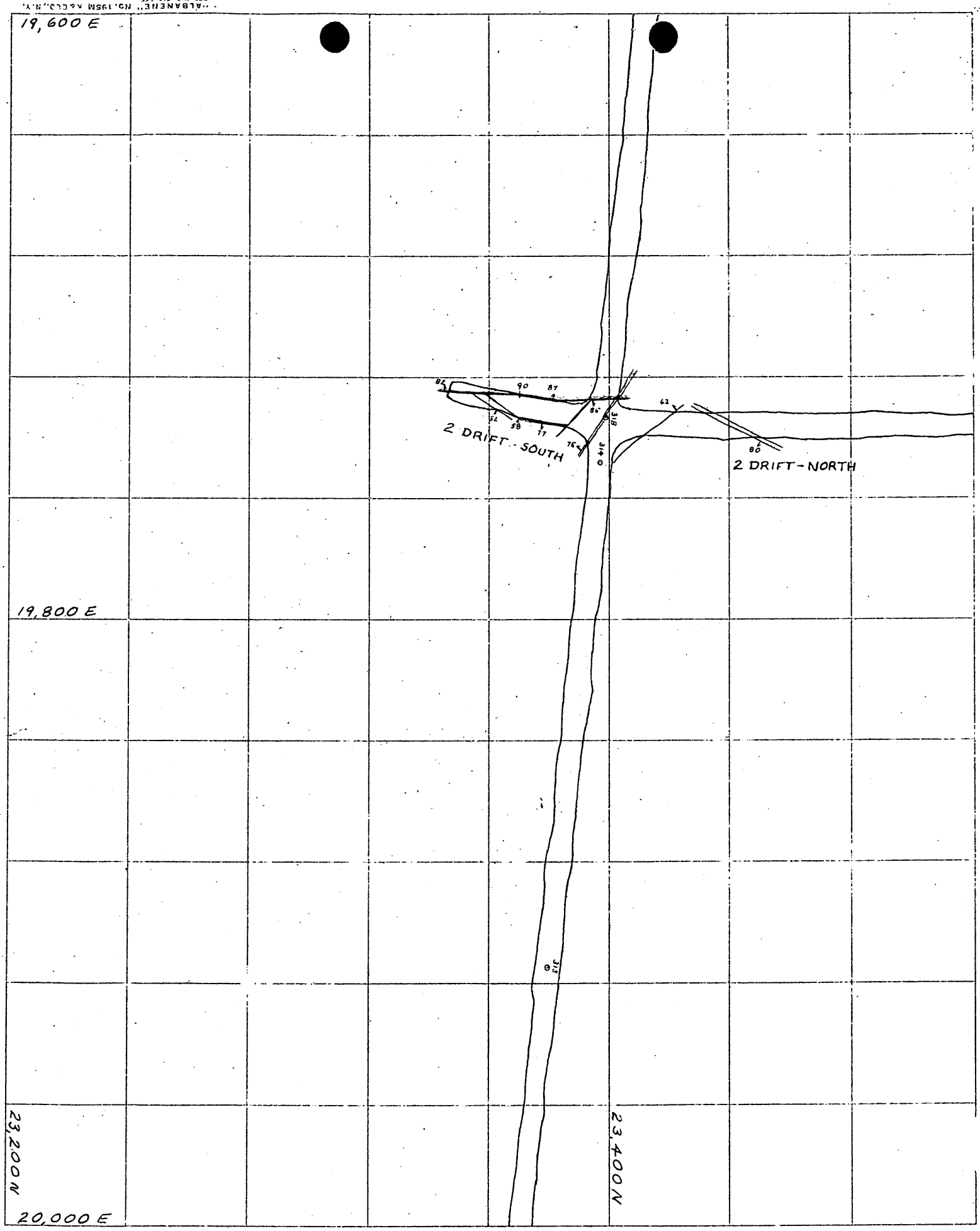
SCALE : 1" = 40'



SHEET 6

D.M.A. TUNNEL
GEOLOGY

SCALE: 1" = 40'

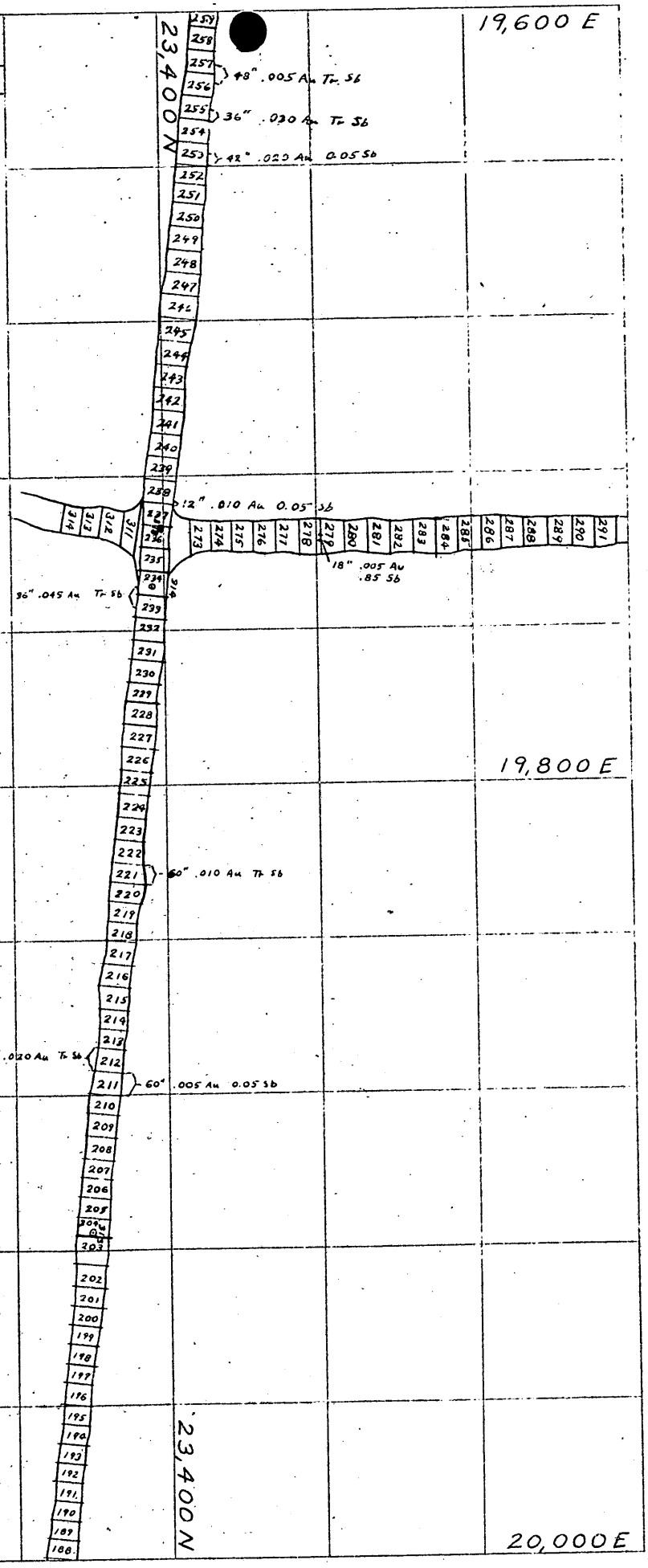


SHEET 7

D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

	CAR			SAMPLES			
No	Au oz/ton	Sb %	WO_3 %	No.	Au	Sb	WO_3
188	.050	Tr	Nil	245	.005	Tr	Nil
189	.050	Tr	Nil	246	Tr	Tr	Nil
190	Tr	0.55	Nil	247	Tr	Tr	Nil
191	Tr	Tr	Nil	248	.005	Tr	Tr
192	Tr	0.05	Nil	249	.005	Tr	Nil
193	Tr	Tr	Nil	250	.005	Tr	Nil
194	Tr	Tr	Nil	251	.005	Tr	Nil
195	Tr	0.05	Nil	252	.005	Tr	Nil
196	.030	0.05	Nil	253	.010	Tr	Tr
197	.015	Tr	Nil	254	.010	Tr	Nil
198	Tr	0.05	Nil	255	.015	0.10	Nil
199	Tr	Tr	Tr	256	.010	Tr	Nil
200	Tr	Tr	Tr	257	.005	Tr	Nil
201	Tr	0.05	Tr	258	Tr	Tr	Nil
202	Tr	0.05	Nil	259	.005	Tr	Nil
203	.005	Tr	Nil	273	Tr	0.20	Nil
204	Tr	0.10	Tr	274	Tr	0.05	Nil
205	Tr	Tr	Nil	275	.005	0.20	Nil
206	.010	0.15	Nil	276	.005	0.20	Nil
207	Tr	0.05	Nil	277	.005	0.05	
208	Tr	Tr	Nil	278	.005	0.10	Tr
209	Tr	Tr	Tr	279	Tr	0.50	Nil
210	.005	0.20	Nil	280	.005	0.10	
211	.005	0.50	Nil	281	.010	0.10	Nil
212	.015	0.25	Nil	282	.015	0.10	Nil
213	Tr	0.05	Nil	283	.015	0.35	Nil
214	Tr	Tr	Nil	284	.025	0.30	Nil
215	Tr	Tr	Nil	285	.010	0.15	Nil
216	Tr	Tr	Nil	286	.010	0.40	Nil
217	Tr	Tr	Nil	287	.010	0.35	Nil
218	Tr	Tr	Nil	288	.010	0.25	Nil
219	Tr	Tr	Nil	289	.005	0.25	Nil
220	Tr	0.10	Tr	290	.015	0.04	Tr
221	Tr	Tr	Nil	291	.015	0.04	Nil
222	.005	Tr	Tr				
223	Tr	Tr	Nil				
224	Tr	Tr	Nil				
225	Tr	Tr	Nil				
226	Tr	Tr	Nil				
227	Tr	0.05	Nil	311	.005	0.02	Nil
228	Tr	Tr	Nil	312	.010	0.03	Nil
229	Tr	Tr	Nil	313	.005	0.03	Nil
230	Tr	Tr	Nil	314	.005	0.02	Tr
231	.005	Tr	Tr				
232	.005	Tr	Nil				
233	.005	Tr	Nil				
234	.015	Tr	Nil				
235	.005	Tr	Nil				
236	.005	Tr	Nil				
237	.005	Tr	Nil				
238	.005	Tr	Nil				
239	.005	Tr	Nil				
240	.005	Tr	Nil				
241	.010	Tr	Nil				
242	.005	Tr	Nil				
243	.005	Tr	Nil				
244	Tr	Tr	Nil				

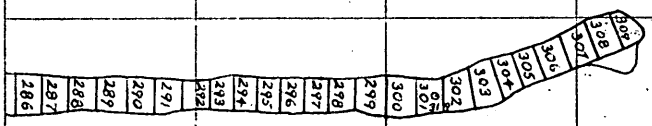


SHEET 4

D.M.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

19,600 E



19,800 E

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
286	.010	0.40	Nil
287	.010	0.35	Nil
288	.010	0.25	Nil
289	.005	0.25	Nil
290	.015	0.04	Tr
291	.015	0.04	Nil
292	.015	0.07	Nil
293	.015	0.18	Nil
294	.010	0.05	Nil
295	.010	0.04	Nil
296	.015	0.05	Nil
297	.010	0.18	Nil
298	.005	0.07	Nil
299	.010	0.03	Nil
300	.010	0.05	Nil
301	.005	0.19	Nil
302	.010	0.05	Nil
303	.010	0.07	Nil
304	.005	0.05	Nil
305	.010	0.03	Nil
306	.010	0.05	Nil
307	.005	0.03	Nil
308	.010	0.05	Nil
309	.005	0.02	Nil

23,600 N

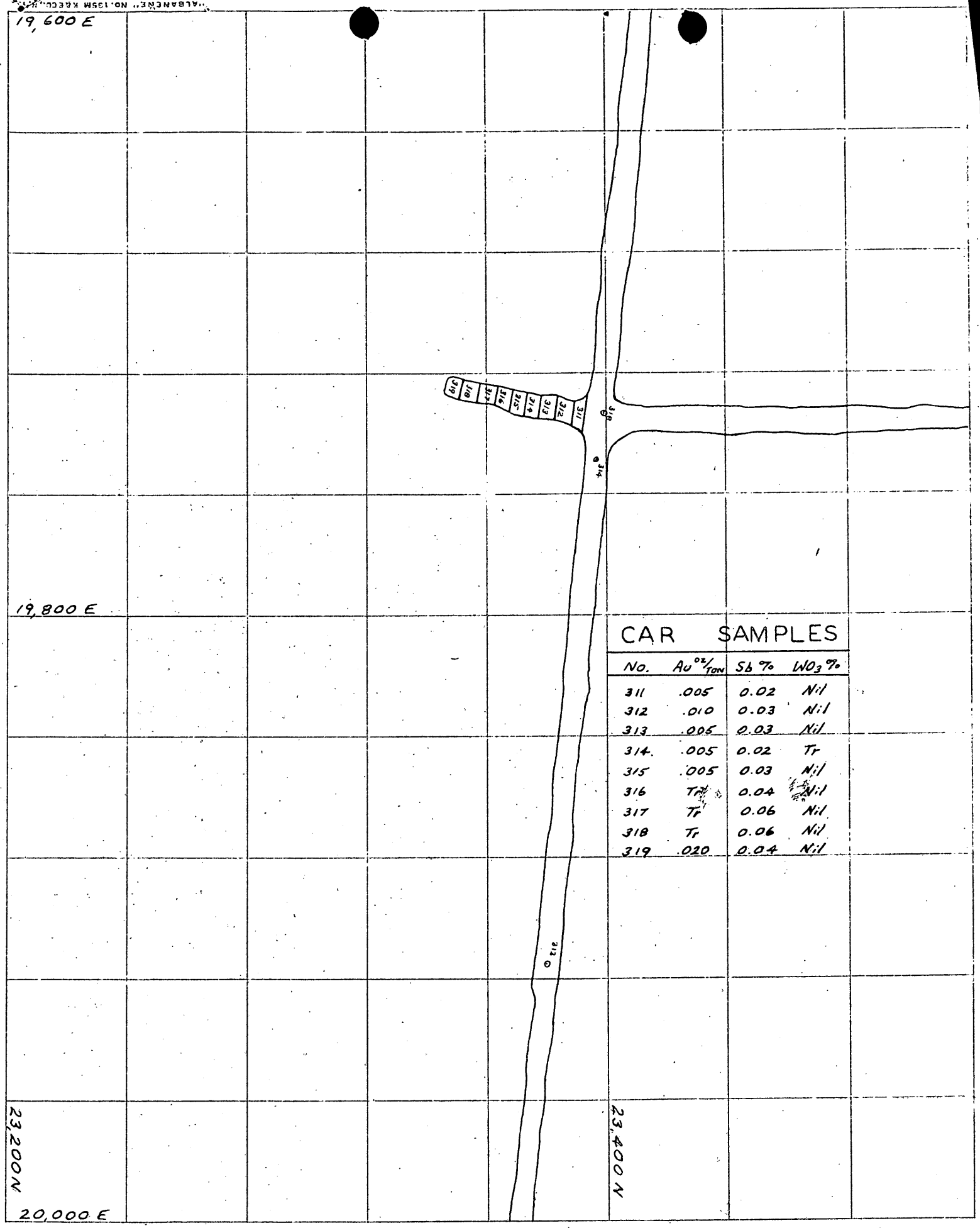
23,300 N

20,000 E

SHEET 6

D.M.A. TUNNEL ASSAY MAP

SCALE : 1" = 40'



CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
311	.005	0.02	Nil
312	.010	0.03	Nil
313	.005	0.03	Nil
314.	.005	0.02	Tr
315	.005	0.03	Nil
316	Tr	0.04	Nil
317	Tr	0.06	Nil
318	Tr	0.06	Nil
319	.020	0.04	Nil

SHEET 7

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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 1284 X Contract No. Idm-0173
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	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	4811.01	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	49.65	71.85	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	50050.78	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 [illegible]
(Authorized Certifying Officer)

Date 9/16/52 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 123 in accordance with the terms of the contract.

Signature Eric G. Erickson Title Engr. Date 8-21-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Mining Engr Date 8/21/52

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.

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 I&m - E173

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 cap 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.

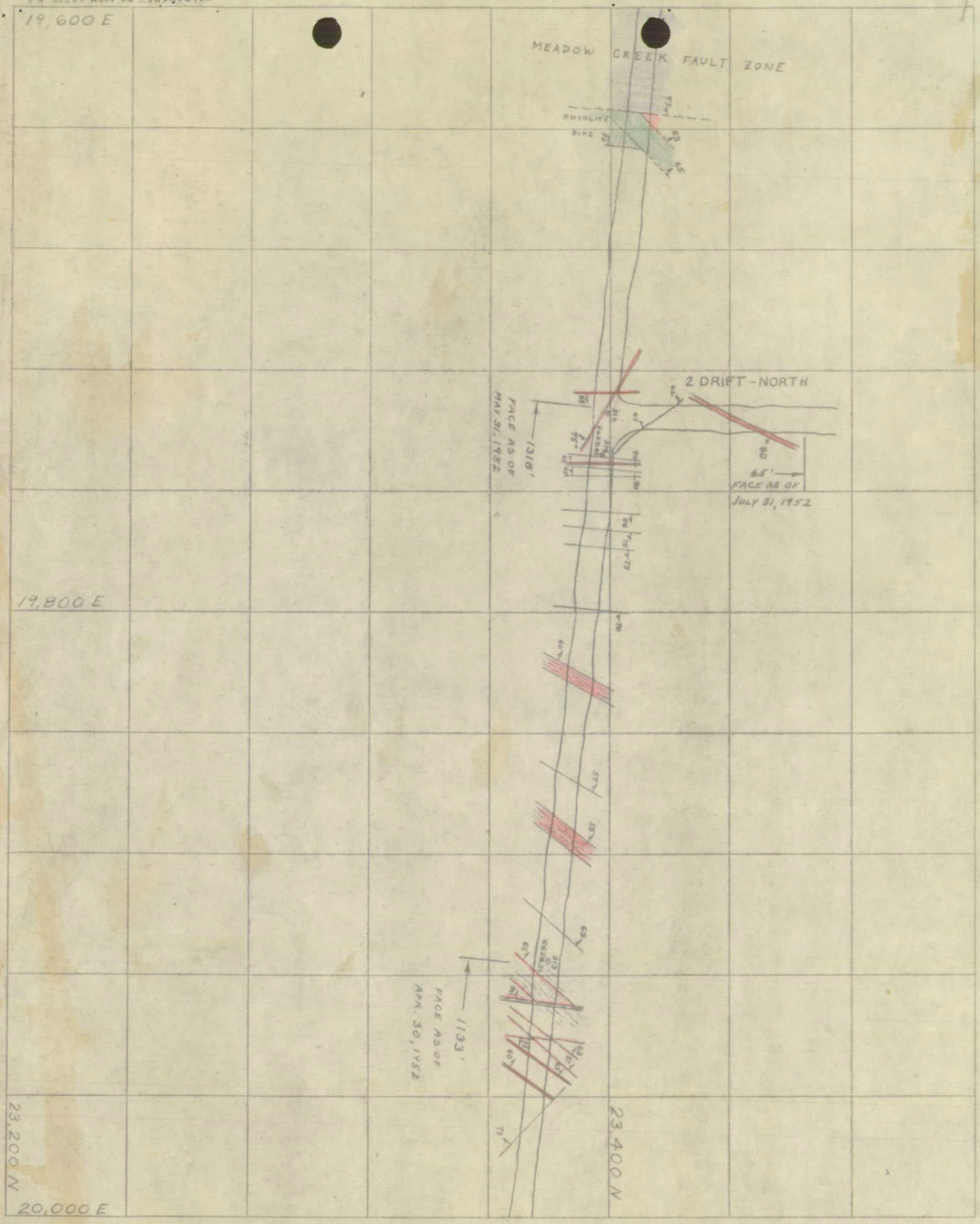
The advance in 2 Drift - North was through broken, altered, poorly mineralized ground. The granite country rock is soft and highly fractured, with abundant chlorite as the main alteration product. A northeasterly trending fault structure about 18 inches wide, cut by the drift, assayed 0.85% antimony 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/js

E cc

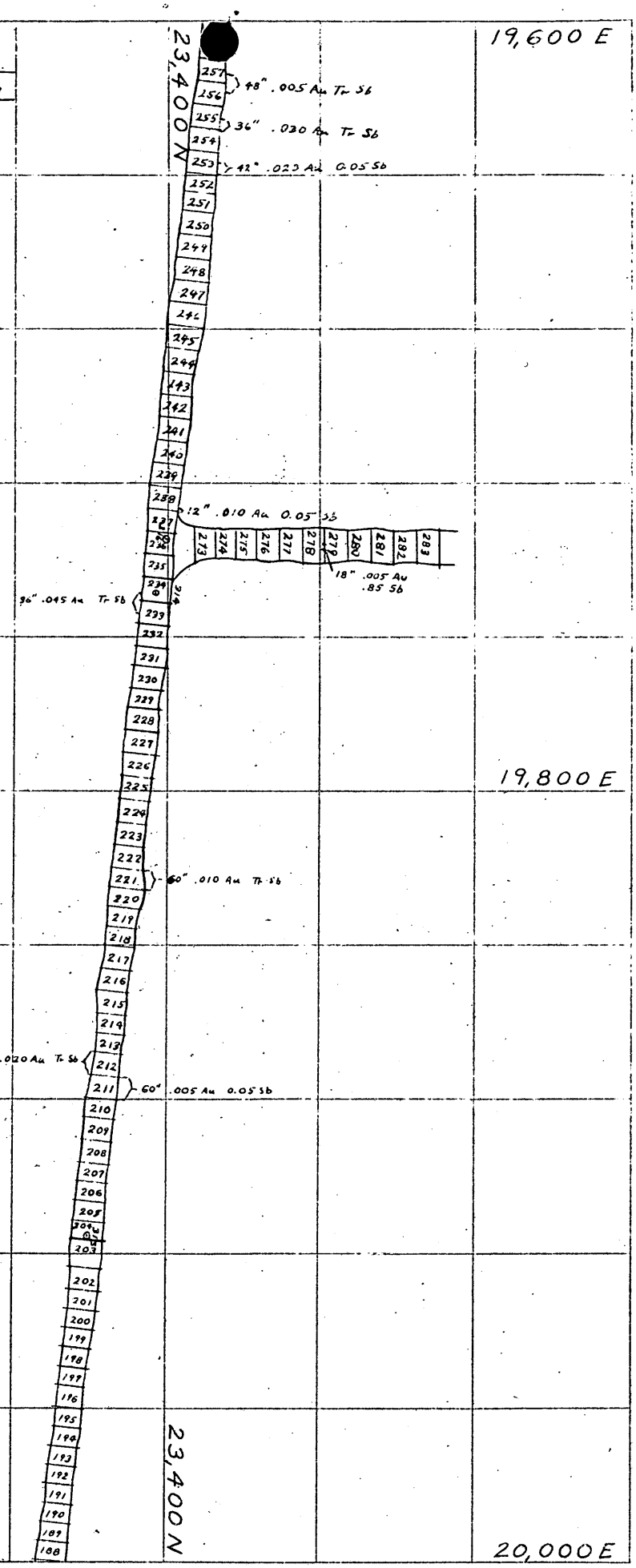


SHEET 4

D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

		CAR		SAMPLES			
No.	Au oz/ton	Sb %	WO_3 %	No.	Au	Sb	WO_3
188	.050	Tr	Nil	245	.005	Tr	Nil
189	.050	Tr	Nil	246	Tr	Tr	Nil
190	Tr	0.55	Nil	247	Tr	Tr	Nil
191	Tr	Tr	Nil	248	.005	Tr	Tr
192	Tr	0.05	Nil	249	.005	Tr	Nil
193	Tr	Tr	Nil	250	.005	Tr	Nil
194	Tr	Tr	Nil	251	.005	Tr	Nil
195	Tr	0.05	Nil	252	.005	Tr	Nil
196	.030	0.05	Nil	253	.010	Tr	Tr
197	.015	Tr	Nil	254	.010	Tr	Nil
198	Tr	0.05	Nil	255	.015	0.10	Nil
199	Tr	Tr	Tr	256	.010	Tr	Nil
200	Tr	Tr	Tr	257	.005	Tr	Nil
201	Tr	0.05	Tr	258	Tr	Tr	Nil
202	Tr	0.05	Nil	259	.005	Tr	Nil
203	.005	Tr	Nil	273	Tr	0.20	Nil
204	Tr	0.10	Tr	274	Tr	0.05	Nil
205	Tr	Tr	Nil	275	.005	0.20	Nil
206	.010	0.15	Nil	276	.005	0.20	Nil
207	Tr	0.05	Nil	277	.005	0.05	
208	Tr	Tr	Nil	278	.005	0.10	Tr
209	Tr	Tr	Tr	279	Tr	0.50	Nil
210	.005	0.20	Nil	280	.005	0.10	
211	.005	0.50	Nil	281	.010	0.10	Nil
212	.015	0.25	Nil	282	.015	0.10	Nil
213	Tr	0.05	Nil	283	.015	0.35	Nil
214	Tr	Tr	Nil				
215	Tr	Tr	Nil				
216	Tr	Tr	Nil				
217	Tr	Tr	Nil				
218	Tr	Tr	Nil				
219	Tr	Tr	Nil				
220	Tr	0.10	Tr				
221	Tr	Tr	Nil				
222	.005	Tr	Tr				
223	Tr	Tr	Nil				
224	Tr	Tr	Nil				
225	Tr	Tr	Nil				
226	Tr	Tr	Nil				
227	Tr	0.05	Nil				
228	Tr	Tr	Nil				
229	Tr	Tr	Nil				
230	Tr	Tr	Nil				
231	.005	Tr	Tr				
232	.005	Tr	Nil				
233	.005	Tr	Nil				
234	.015	Tr	Nil				
235	.005	Tr	Nil				
236	.005	Tr	Nil				
237	.005	Tr	Nil				
238	.005	Tr	Nil				
239	.005	Tr	Nil				
240	.005	Tr	Nil				
241	.010	Tr	Nil				
242	.005	Tr	Nil				
243	.005	Tr	Nil				
244	Tr	Tr	Nil				



SHEET 4

D.M.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

D.M.A. PROGRESS REPORT FOR JUNE 1952

Contract Idm-M173

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

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
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-5173
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	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 & Track 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. MF-113 in accordance with the terms of the contract.

Signature Howell T. Pierce Title Min Engr Date 7/29/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Glenn O. 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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 9 1952

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

Month of June 1952 Docket No. DMEA _____ Contract No. Idm-2173
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	26.00
Crosscutting	1 ft.	5,506.90	212	39,727.03	1540	25.00		
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.				5,576.75				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

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
Shifts 154.438

$2,175.00

SUPPORTING SUPERVISION CHARGES - ITEM 2

McGinley	Foreman	1.97	176	47	346.72	138.89

Hours 223
Shifts 27.875

$ 485.61

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 Ydm-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 "	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	P
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	P
6	Sleeves, 1"	1.27	P
2	Check Valve, 1"	5.68	P
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	Q
93 gal.	Stove Oil	17.85	
2	Carbide Bits, MCA-1 5/8"	22.14	B
107 gal.	Gasoline	29.22	
3 gal.	Motor Oil, #30	1.75	Q
8 gal.	Motor Oil, #20	4.66	Q
5 lb.	Gear Lube, #140	.69	Q
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-6173

CERTIFICATION

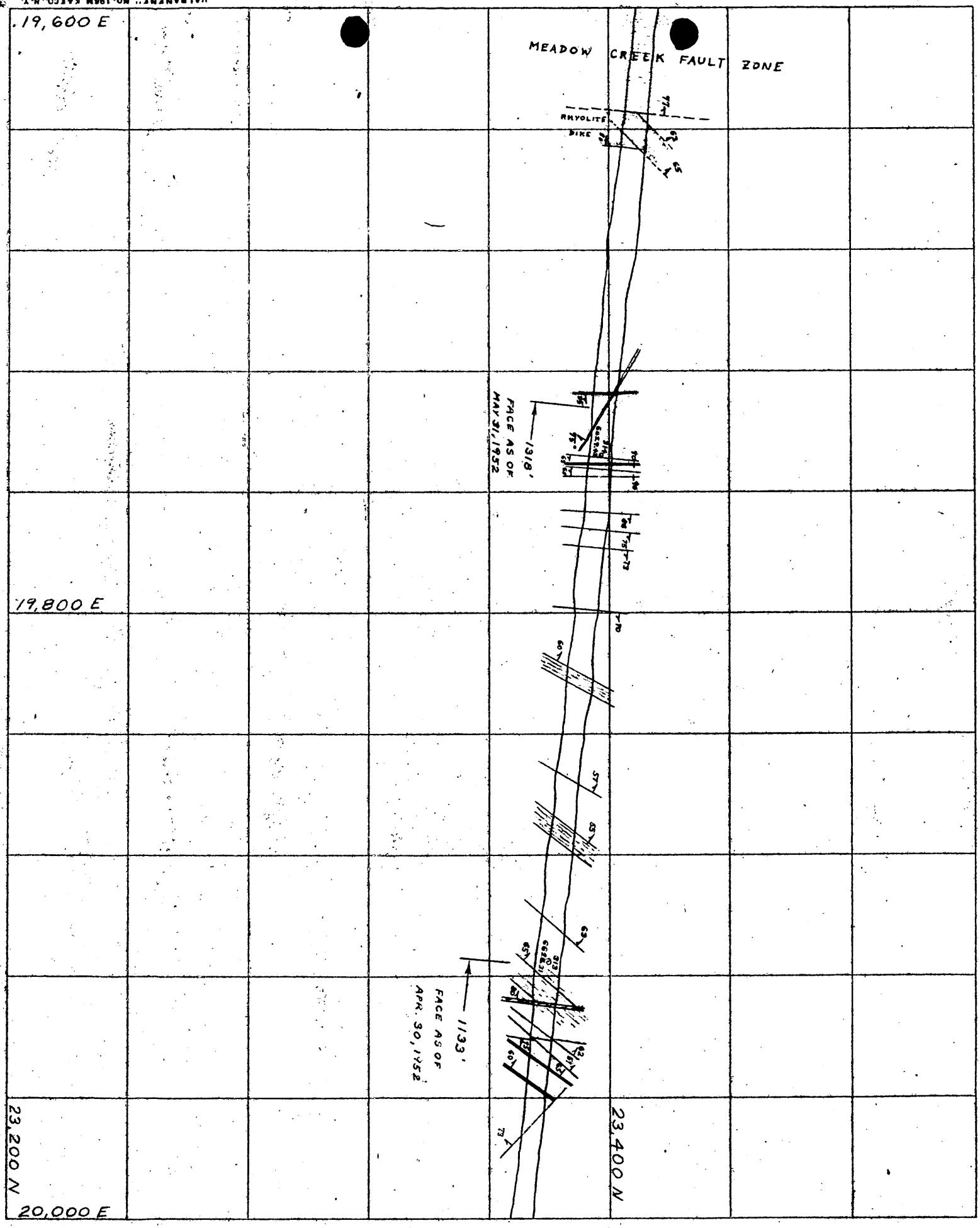
I hereby certify that all supplies items charged in the appended report, if not supported by a copy of the vendor's invoice, were taken from the undersigned's inventory of supplies and that the prices charged for such items are correct and just.

BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

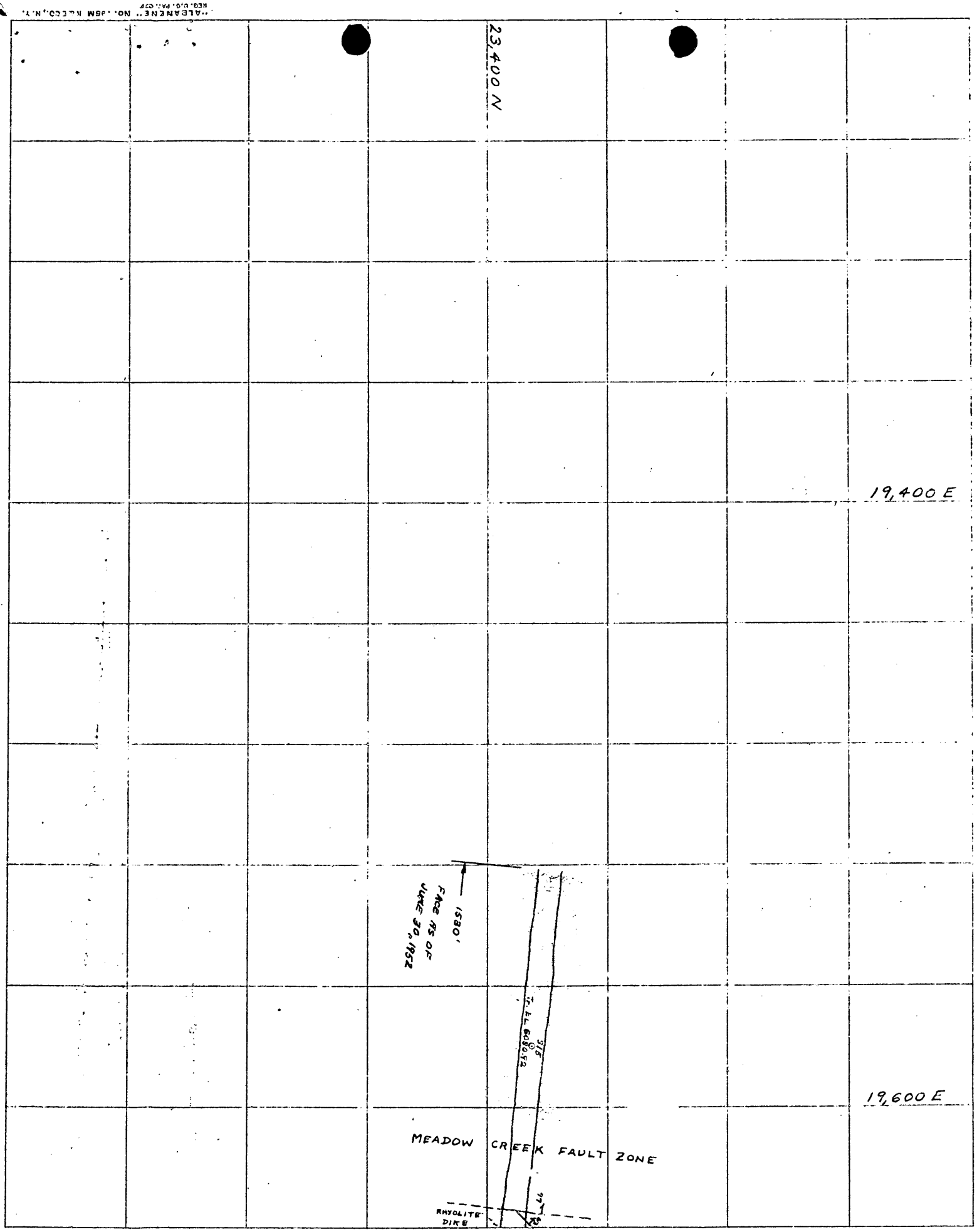
"ALBANENE" NO. 186M K&E CO., N.Y.
REG. U.S. PAT. OFF. 40080



SHEET 4

D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

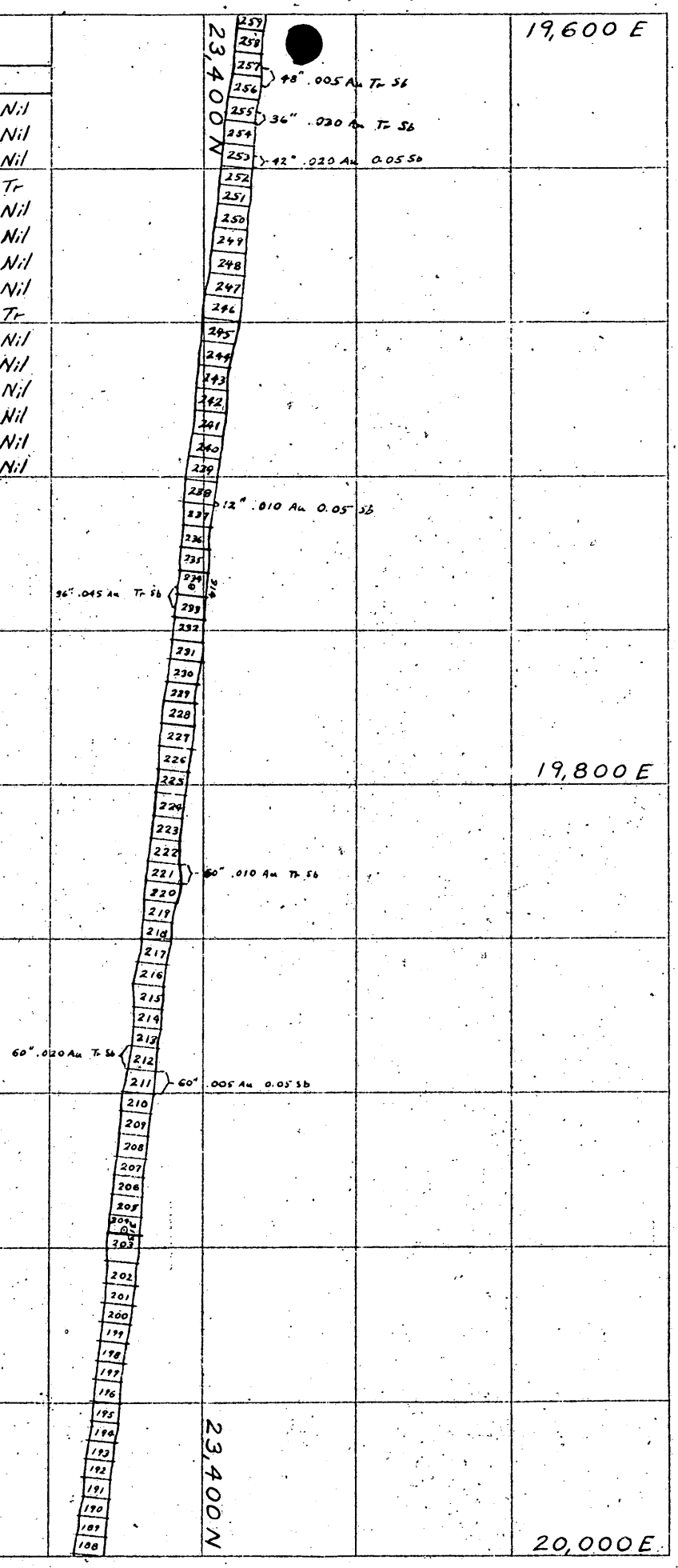


SHEET 5

D.M.A TUNNEL
GEOLOGY

SCALE: 1" = 40'

		CAR		SAMPLE			
No.	Au oz/ton	Sb %	WO_3 %				
188	.050	Tr	Nil	245	.005	Tr	Nil
189	.050	Tr	Nil	246	Tr	Tr	Nil
190	Tr	0.55	Nil	247	Tr	Tr	Nil
191	Tr	Tr	Nil	248	.005	Tr	Tr
192	Tr	0.05	Nil	249	.005	Tr	Nil
193	Tr	Tr	Nil	250	.005	Tr	Nil
194	Tr	Tr	Nil	251	.005	Tr	Nil
195	Tr	0.05	Nil	252	.005	Tr	Nil
196	.030	0.05	Nil	253	.010	Tr	Tr
197	.015	Tr	Nil	254	.010	Tr	Nil
198	Tr	0.05	Nil	255	.015	0.10	Nil
199	Tr	Tr	Tr	256	.010	Tr	Nil
200	Tr	Tr	Tr	257	.005	Tr	Nil
201	Tr	0.05	Tr	258	Tr	Tr	Nil
202	Tr	0.05	Nil	259	.005	Tr	Nil
203	.005	Tr	Nil				
204	Tr	0.10	Tr				
205	Tr	Tr	Nil				
206	.010	0.15	Nil				
207	Tr	0.05	Nil				
208	Tr	Tr	Nil				
209	Tr	Tr	Tr				
210	.005	0.20	Nil				
211	.005	0.50	Nil				
212	.015	0.25	Nil				
213	Tr	0.05	Nil				
214	Tr	Tr	Nil				
215	Tr	Tr	Nil				
216	Tr	Tr	Nil				
217	Tr	Tr	Nil				
218	Tr	Tr	Nil				
219	Tr	Tr	Nil				
220	Tr	0.10	Tr				
221	Tr	Tr	Nil				
222	.005	Tr	Tr				
223	Tr	Tr	Nil				
224	Tr	Tr	Nil				
225	Tr	Tr	Nil				
226	Tr	Tr	Nil				
227	Tr	0.05	Nil				
228	Tr	Tr	Nil				
229	Tr	Tr	Nil				
230	Tr	Tr	Nil				
231	.005	Tr	Tr				
232	.005	Tr	Nil				
233	.005	Tr	Nil				
234	.015	Tr	Nil				
235	.005	Tr	Nil				
236	.005	Tr	Nil				
237	.005	Tr	Nil				
238	.005	Tr	Nil				
239	.005	Tr	Nil				
240	.005	Tr	Nil				
241	.010	Tr	Nil				
242	.005	Tr	Nil				
243	.005	Tr	Nil				
244	Tr	Tr	Nil				

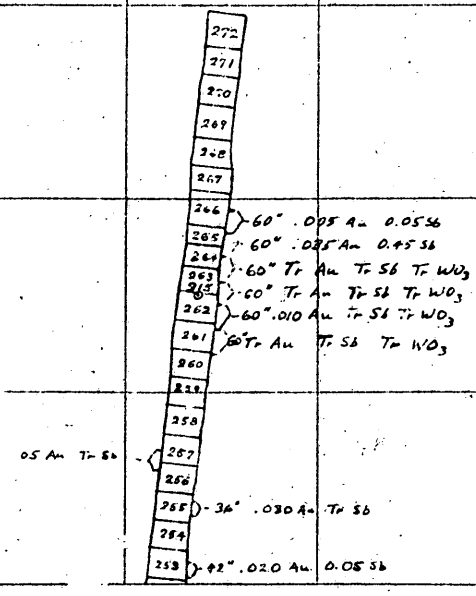


SHEET 4

D.M.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

	CAR		SAMPLE		23,400 N			
No.	Au oz/ton	Sb %	WO_3 %					
253	.010	Tr	Tr					
254	.010	Tr	Nil					
255	.015	0.10	Nil					
256	.010	Tr	Nil					
257	.005	Tr	Nil					
258	Tr	Tr	Nil					
259	.005	Tr	Nil					
260	.020	Tr	Tr					
261	Tr	Tr	Tr					
262	Tr	Tr	Tr					
263	.005	Tr	Tr					
264	Tr	Tr	Tr					
265	Tr	Tr	Tr					
266	Tr	Tr	Nil					
267	Tr	Tr	Tr					
268	.005	Tr	Nil					
269	Tr	Tr	Tr					
270	.005	Tr	Tr					
271	.010	Tr	Tr					
272								19,400 E



19,600 E

SHEET

D.M.A TUNNEL
ASSAY MAP

SCALE 1"=40'

U. S. BUREAU OF MINES
RECEIVED
JUL 31 1952
ALBANY, OREGON

U. S. BUREAU OF MINES
Received
AUG 27 1952
Albany, Oregon

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

Wash

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 30 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 Orton
(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 (c)		1,177.61	1,177.61			
(b) Buildings Combination framing shed, camp house, dry house, tool house. Item 1 (a)		3,500.00	3,500.00			
(c) Fixtures Tagge trestle. Item 1(b)		899.15	899.15			
2. Operating Equipment:						
(a) Purchased Item 2	2,315.00	2,431.99	4,746.99			
(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						

713

16—64068-3

COPY

D.M.A. PROGRESS REPORT FOR MAY 1952
Contract Idm-8173

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-2173, 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-2173, Exhibit A, Item 3

		Rental Charge	
Compressor	(1 month)	241.67	
Shovel Loader	" "	51.67	
Air Receiver (1)	" "	7.92	
Trommer	" "	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-2173, 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-2173, 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%		7.31
	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 Ibs-4173, Exibit 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 Calex #2 Powder, 45%	$ 221.88	
650		Electric Delay Blasting Caps	141.40	
				$ 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, GX 1147	0.38
2		Plunger Leathers for #64 Jackleg	1.70
1		Feed Cylinder Bore for B-58 Stoper	57.32
1		Steel Plate for Tremmer 18x24x16 ga.	0.75
72	in.	Channel for Tremmer, 5"	5.40
4		USS. Cap Screws, 1 x ½	0.05
4		USS. Cap Screws, 1½ x ½	0.04
8		USS. Hex Nuts, ½	0.03
1		USS Cap Screw, 1 x 3/8	0.02
4		F.H. Wood Screws, 1 x 2	0.01
4		Reducing Washers, #51	0.26
4		Reducing Washers, #41	0.15
4		Reducing Washers, #32	0.11
7		Stamps for Tremmer, SP 1278	0.13
10		Stove Bolts, 3/16 x 3/4	0.06
12	ft.	Apparatus Wire, #14	0.38
4	bot.	Gasket Shellac, 2 oz.	0.53
6		Stove Bolts, 1/4 x 2	0.08
6		USS Hex Nuts, 1/4	0.02
3		Box Connectors, 1 1/2	1.39
6		Stove Bolts, 1 x 1/4	0.06
6		Flat Washers, 1/4	0.01
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, G.E. 3110	0.65
12		FH. Wood Screws, 1/12 x 12	0.11
2		Box 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	28.10
1		" " for Linkage	5.90
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	51.51
86	Turntable Balls	14.40
2	Bumper Springs	6.60
		$ 237.47

(d) Other

180	ft	Nail, #20	$ 70.56	T
168	ft	Black Pipe, 1"	29.69	P
126	ft	Black Pipe, 3"	97.34	P
277	ft	Jackhammer Steel	103.52	S
6		Timken Carbide Bits, MCA 1 5/8	66.42	B
1	cyl.	Oxygen	5.70	
839	gal.	Diesel Oil	144.31	O
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	P
1		Gate Valve, 1/2"	2.39	P
2		Unions, 1"	1.58	P
6		Tees, 1"	2.47	P
6		Nipples, 1 x 2	0.75	P
1		Cast Iron Tee, 3"	1.86	P
2		Spuds, GJ 55	1.51	
4		Spuds, GJ 60	3.80	
4		Spuds, GB-13	3.28	
4		Spuds, L 1130, R 1361	1.80	
2		Galvanized Nipples, 1 x 4	0.31	P
2		Black Pipe Unions, 1"	1.58	P
2		Galvanized Nipples, 3 x 4	1.47	P
2		Reducing Bushings, 3 to 1	0.83	P
1		Black Pipe Plug, 3"	0.48	P
1		Black Pipe Bushing, 3 to 2	0.47	P
1		Black Pipe Bushing, 3 to 1	0.53	P
4		Galvanized Nipples, 2 x 4	0.64	P
2		Galvanized Plugs, 2"	0.61	P
1		Crastaloy 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.	Anerdia 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	
80	lbs.	Chassis Lubricant	11.00	
78	gal.	Gasoline	21.29	
1		Tire Recap for Truck #45	11.66	
				$ 667.21

ITEM 7 - POWER
Contract Idm-8173, Exhibit A, Item 5

7744	KWH	Electric Power @ $0.006073341	$ 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 Trammer

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 Dept. 2 hrs. @ $2.428 (Prorated Salary)	$	4.86
TOTAL WAGES		$ 180.52

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		$ 243.58

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 ENGINEERING, 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 RT	Hours OT	RT	OT
Douglas	U. Miner	$1.71	111.5	25	$ 190.67	$ 64.12
Longmore	U. Miner	1.71	167	42	285.57	108.12
Mardle	U. Miner	1.71	134.5	14.5	230.00	37.19
Martin	Min.Mpr.	1.515	160	32	242.40	72.72
Smith	Min.Mpr.	1.515	58.5	13.5	88.60	30.68
Wahlik	Min.Mpr.	1.515	134	24.5	203.01	55.68
			765.5	150.5	1,240.25	365.56
		Hours	916		$1,605.81	
		Shifts	114.5			

SUPPORTING SUPERVISION CHARGES - ITEM 5

McFinley	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.

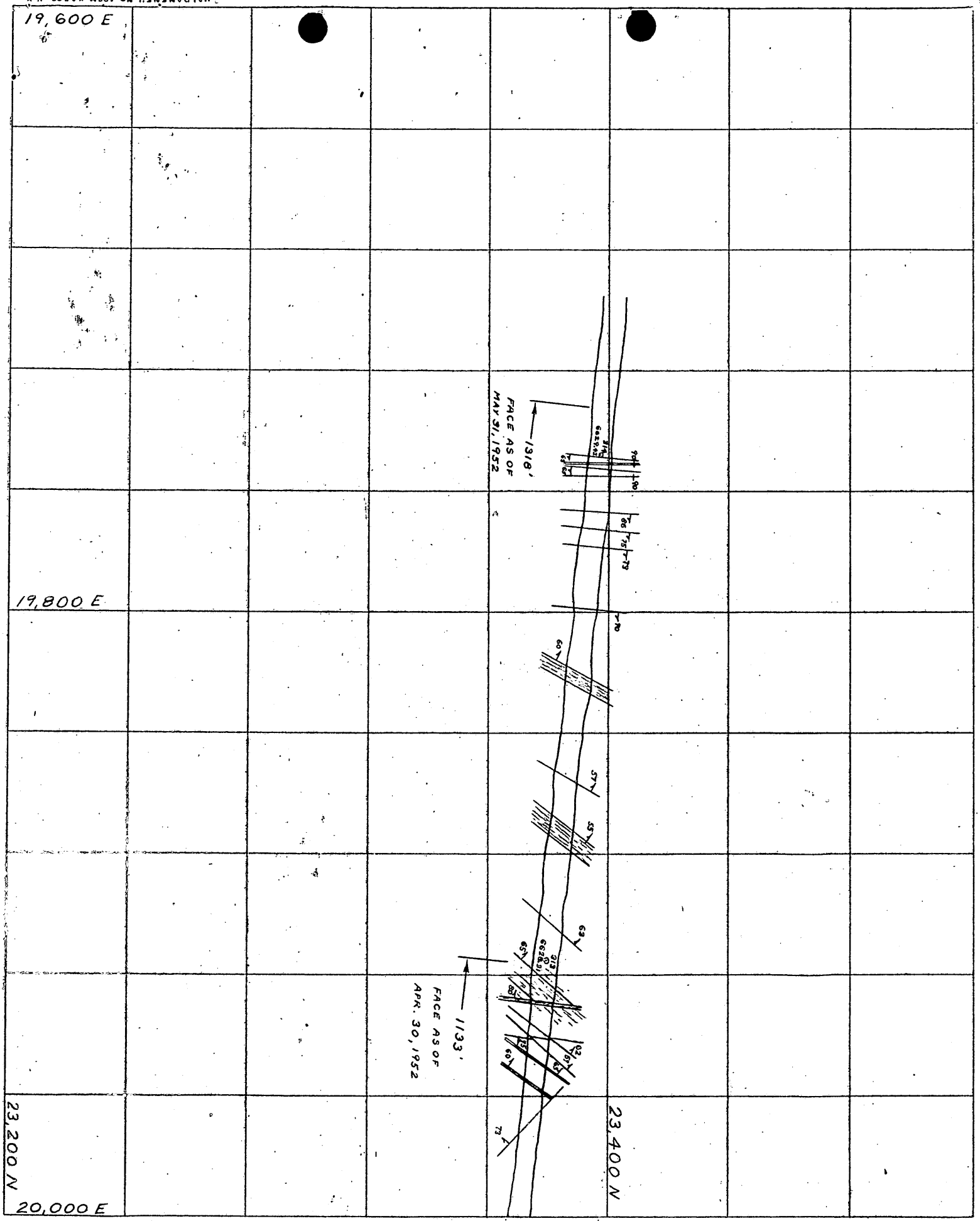
BRADLEY MINING CO.

E. E. Coleman

E. E. Coleman
Manager and Idaho Agent

EEC/cb

"ALDANENE" No. 188M KAECO, N.Y.
REG. U.S. PAT. OFF. 4D080

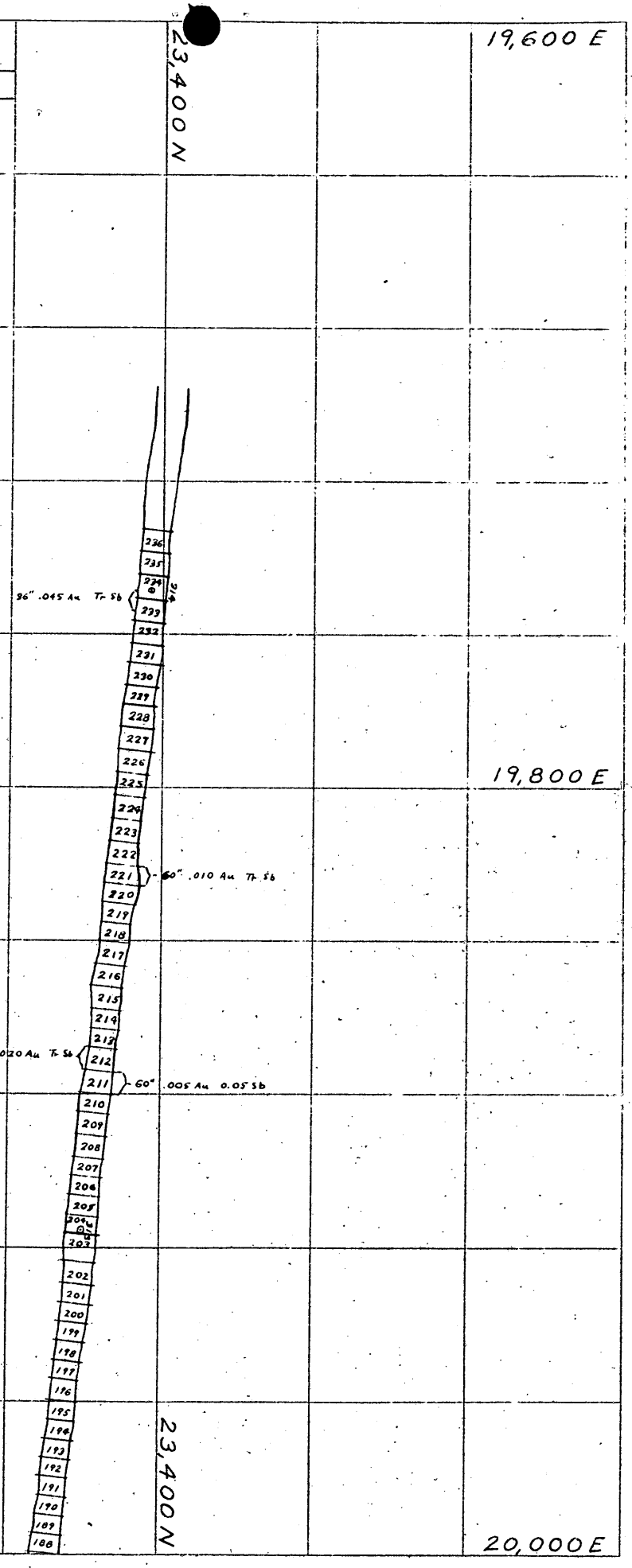


SHEET 4

D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

No.	Au oz/ton	Sb %	WO_3 %
188	.050	Tr	Nil
189	.050	Tr	Nil
190	Tr	0.55	Nil
191	Tr	Tr	Nil
192	Tr	0.05	Nil
193	Tr	Tr	Nil
194	Tr	Tr	Nil
195	Tr	0.05	Nil
196	.030	0.05	Nil
197	.015	Tr	Nil
198	Tr	0.05	Nil
199	Tr	Tr	Tr
200	Tr	Tr	Tr
201	Tr	0.05	Tr
202	Tr	0.05	Nil
203	.005	Tr	Nil
204	Tr	0.10	Tr
205	Tr	Tr	Nil
206	.010	0.15	Nil
207	Tr	0.05	Nil
208	Tr	Tr	Nil
209	Tr	Tr	Tr
210	.005	0.20	Nil
211	.005	0.50	Nil
212	.015	0.25	Nil
213	Tr	0.05	Nil
214	Tr	Tr	Nil
215	Tr	Tr	Nil
216	Tr	Tr	Nil
217	Tr	Tr	Nil
218	Tr	Tr	Nil
219	Tr	Tr	Nil
220	Tr	0.10	Tr
221	Tr	Tr	Nil
222	.005	Tr	Tr
223	Tr	Tr	Nil
224	Tr	Tr	Nil
225	Tr	Tr	Nil
226	Tr	Tr	Nil
227	Tr	0.05	Nil
228	Tr	Tr	Nil
229	Tr	Tr	Nil
230	Tr	Tr	Nil
231	.005	Tr	Tr
232	.005	Tr	Nil
233	.005	Tr	Nil
234	.015	Tr	Nil
235	.005	Tr	Nil
236	.005	Tr	Nil



SHEET 4

D.M.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

COPY

From: BRADLEY MINING CO.
YELLOW PINE MINING DISTRICT
SILVERTON, IDAHO

For:

May 10, 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 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

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
Longacre	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			

(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

Garrel 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. Millmon — 1st Carpenter			
6 hrs.	Straight Time @ $1.775	10.65	

Repairs to Tramner Meter

Benjamin H. 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

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 J14 Jackleg	6.60	
2	Seats for J14 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	O
21 gal.	Motor Oil, #20	12.24	O ?
11	Timken Carbide Bits, MCA 1-5/8	121.95	B
658 ft.	Rail, 20#	256.72	T
315 ft.	Black Pipe, 1"	56.73	P
126 ft.	Black Pipe, 3"	97.34	P
1050 ft.	Vent Pipe, 10"	577.52	P
200 lbs.	Track Spikes, 3/8 x 3-1/2	28.57	T
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	P
6	Bushings, 1/2 to 3/4	1.24	P
6	Bushings, 3/4 to 1	.95	P
6	Nipples, 3/4 x 1	.67	P

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-8173, 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-8173, 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-8173, 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

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for April, 1952

Contract Idm - E 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

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April, 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	512.12	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	512.12	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

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	1,962.88	7,916.90	9,879.78			
5. Supervision Item 4	498.07	1,999.97	2,498.04			
6. Supplies						
(a) Timber Item 5	64.86	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	108.76	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 Lee
Entered by
Approved by Harold T. Pano
Amount approved for payment $42 86 03
Remarks

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						

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 [illegible] Co.
Docket No. DMA 1284X
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.

DEPARTMENT OF THE INTERIOR
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.

[illegible] Co.
(Name of Company)

By G. Olston
(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

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

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]	1,763.81	9,679.78	11,443.59			
Item 4						
5. Supervision	535.59	2,498.04	3,033.63			
Item 5						
6. Supplies						
(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	567.21	3,901.32	4,468.53			
Item 5						
7. Power	47.03	155.58	202.61			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
Repairs						
11. Other (specify)						
Utilities. Item 5	153.58	833.84	1,287.42			
Engineering, Accounting						
& Analytical Services						
Item 4	300.00	600.00	900.00			
Total	7,580.27	30,521.44	38,101.71			
		1,657.03	1,657.03			
Deletions	7,580.27	30,863.61	44,543.88			
Adjusted totals						
Totals previously reported	7,580.27	30,863.61	44,543.88			
Totals to date						

[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

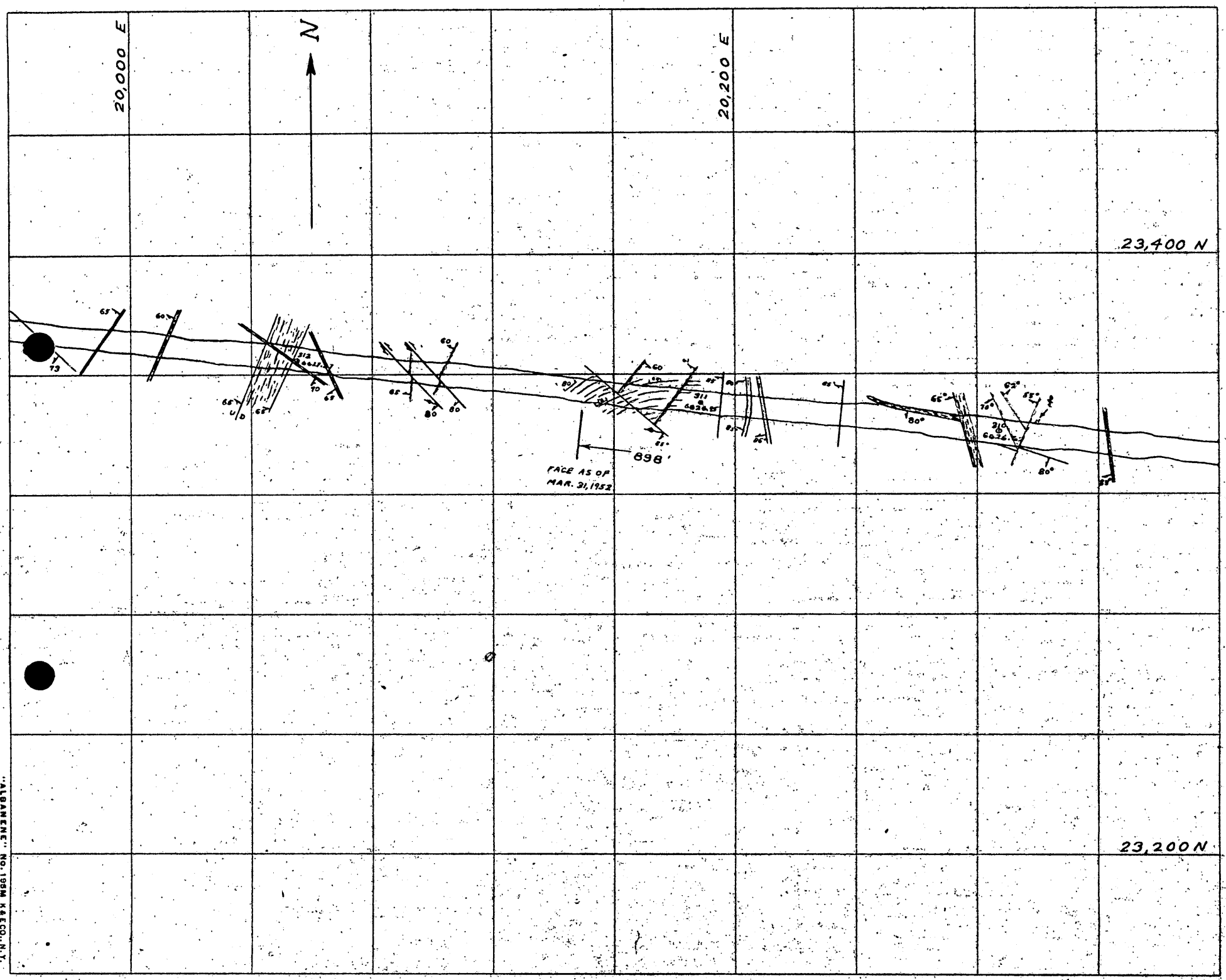
Entered by

Approved by Thomas E. Hirschfeld

Amount approved for payment $5685.20

Remarks

16—64068-3



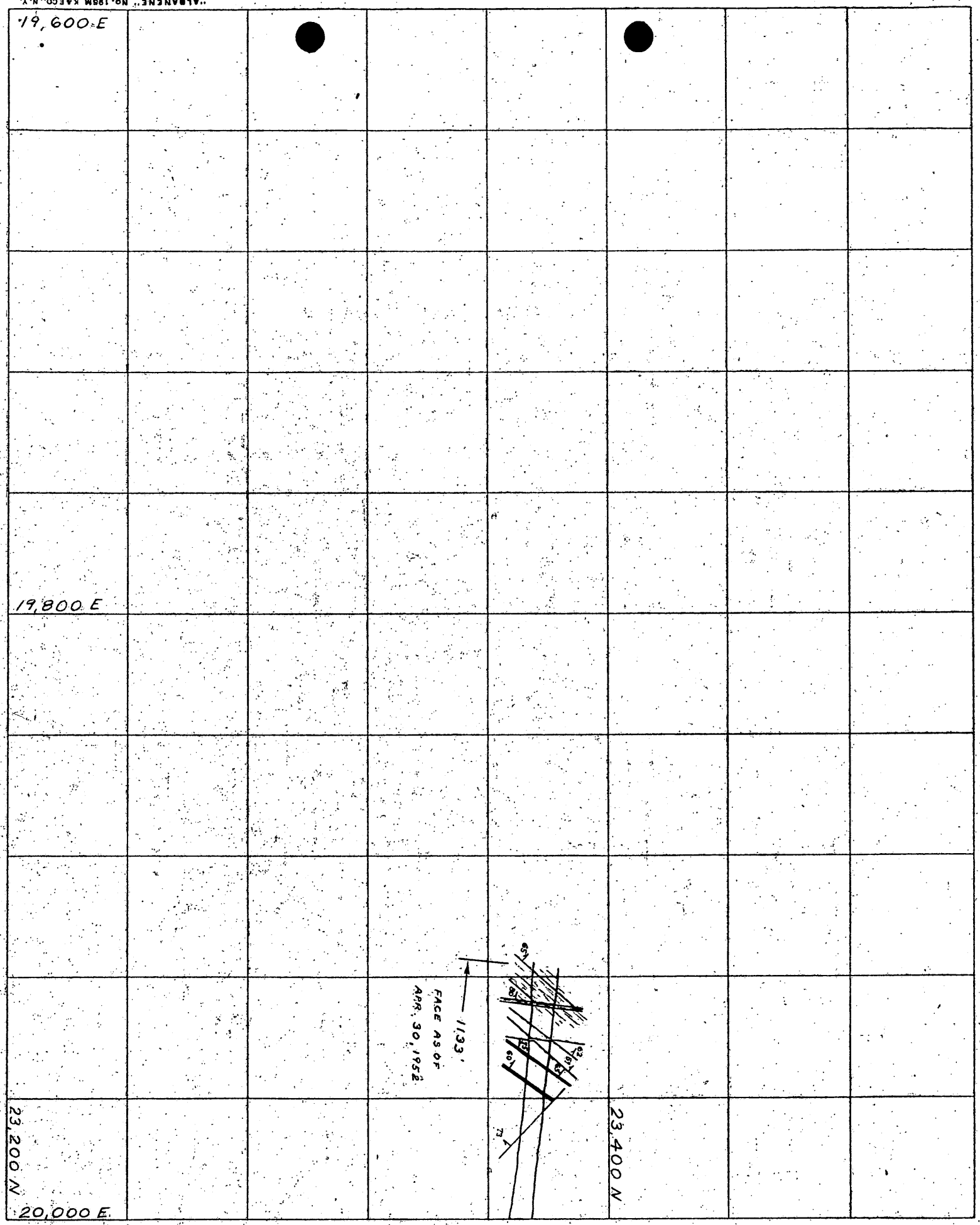
SCALE : 1" = 40'

D.M.A. TUNNEL
GEOLOGY

SHEET 3

"ALBANENE" No. 198M K&E CO., N.Y.
REG. U.S. PAT. OFF.
400BQ

"ALBANENE" No. 1950M KAECO., N.Y.
REG. U.S. PAT. OFF. 4008P

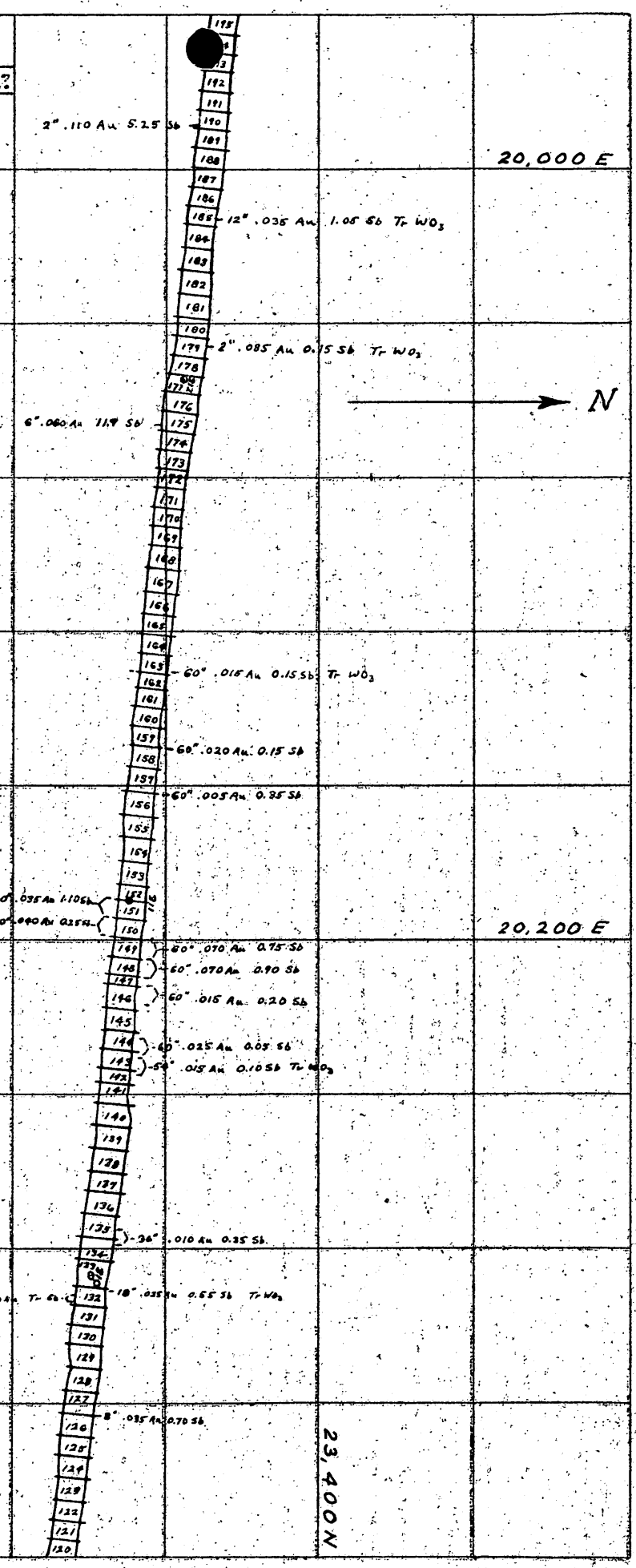


SHEET 4

D.M.A. TUNNEL
GEOLOGY

SCALE : 1" = 40'

CAR SAMPLES							
No.	Au oz/ton	Sb %	WO_3 %	No.	Au oz/ton	Sb %	WO_3 %
120	.015	Tr	Nil	177	.010	0.10	Tr
121	.010	Tr	Nil	178	.005	0.05	Tr
122	.005	Tr	Nil	179	Tr	0.05	Tr
123	.010	Tr	Nil	180	.005	0.10	Tr
124	.010	Tr	Nil	181	Tr	0.05	Tr
125	Tr	Tr	Nil	182	.005	0.30	Tr
126	Tr	Tr	Nil	183	.010	0.05	Tr
127	.005	Tr	Nil	184	.005	Tr	Nil
128	.005	Tr	Nil	185	Tr	Tr	Tr
129	Tr	Tr	Nil	186	Tr	0.05	Nil
130	.005	Tr	Nil	187	Tr	Tr	Nil
131	Tr	Tr	Nil	188	.050	Tr	Nil
132	Tr	Tr	Nil	189	.050	Tr	Nil
133	.005	Tr	Nil	190	Tr	0.55	Nil
134	Tr	Tr	Nil	191	Tr	Tr	Nil
135	.005	0.10	Nil	192	Tr	0.05	Nil
136	Tr	0.05	Nil	193	Tr	Tr	Nil
137	Tr	Tr	Nil	194	Tr	Tr	Nil
138	Tr	Tr	Nil	195	Tr	0.05	Nil
139	Tr	0.05	Nil				
140	.005	0.05	Nil				
141	.005	Tr	Nil				
142	Tr	Tr	Nil				
143	.010	Tr	Nil				
144	.010	Tr	Nil				
145	.005	0.10	Nil				
146	.005	Tr	Nil				
147	.030	0.50	Tr				
148	.045	0.60	Tr				
149	.035	0.75	Nil				
150	.040	0.05	Nil				
151	.020	0.90	Tr				
152	.010	0.10	Nil				
153	.010	Tr	Nil				
154	Tr	0.30	Tr				
155	.010	0.45	Tr				
156	.010	0.35	Tr				
157	.005	0.20	Nil				
158	.005	0.05	Nil				
159	.005	0.40	Nil				
160	.005	0.15	Nil				
161	.005	Nil	Tr				
162	.010	Nil	Tr				
163	.010	0.05	Tr				
164	.005	Tr	Nil				
165	.005	Tr	Nil				
166	Tr	Tr	Nil				
167	Tr	Tr	Nil				
168	Tr	Tr	Nil				
169	Tr	0.10	Nil				
170	.010	Tr	Nil				
171	.005	Tr	Tr				
172	.010	0.05	Nil				
173	.005	Tr	Nil				
174	.015	Tr	Nil				
175	.005	Tr	Tr				
176	.005	Tr	Tr				



SHEET 3

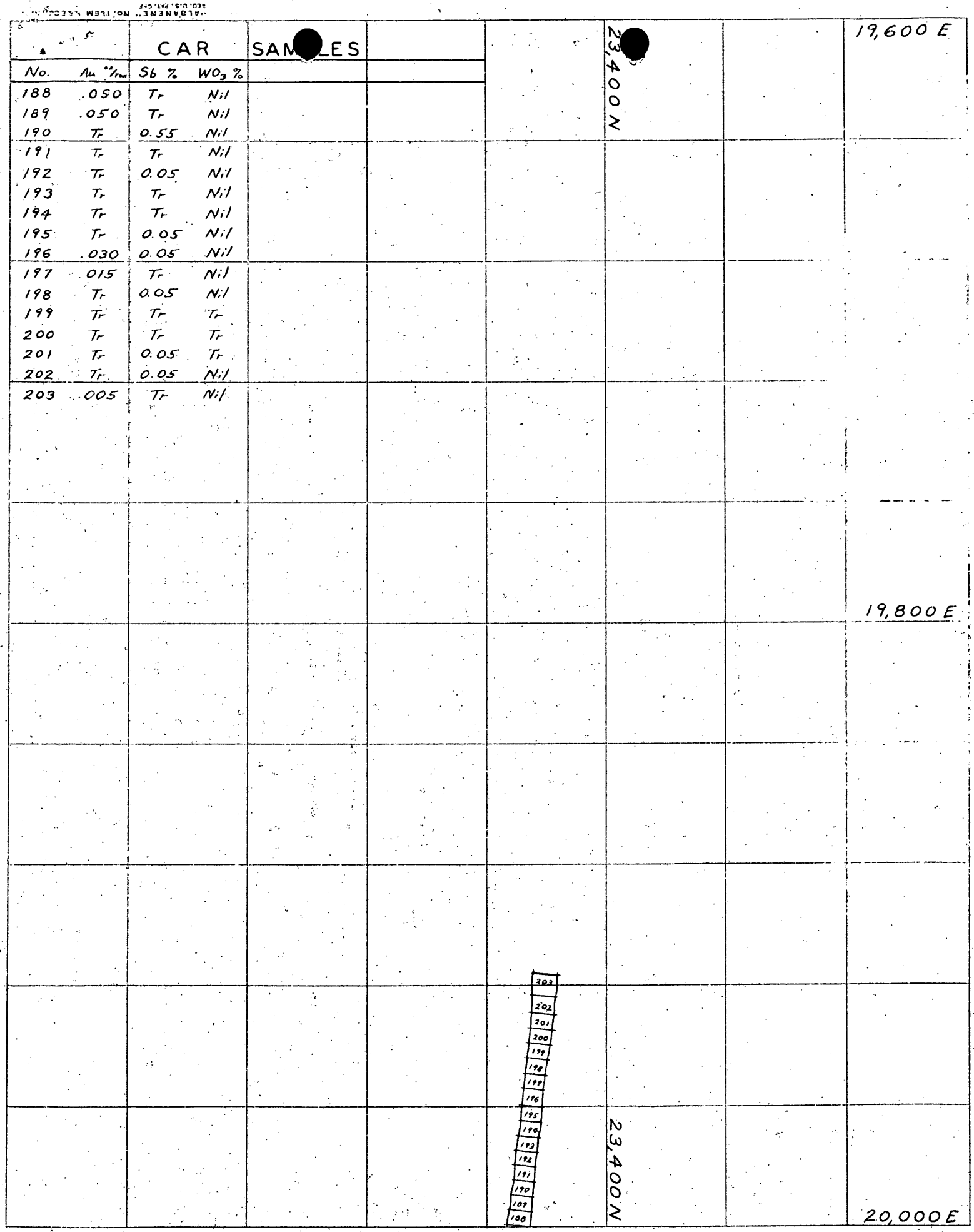
D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

"ALBANENE" NO. 1 SEM KEEDOY
ACC. U.S. PAT. OFF.

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
188	.050	Tr	Nil
189	.050	Tr	Nil
190	Tr	0.55	Nil
191	Tr	Tr	Nil
192	Tr	0.05	Nil
193	Tr	Tr	Nil
194	Tr	Tr	Nil
195	Tr	0.05	Nil
196	.030	0.05	Nil
197	.015	Tr	Nil
198	Tr	0.05	Nil
199	Tr	Tr	Tr
200	Tr	Tr	Tr
201	Tr	0.05	Tr
202	Tr	0.05	Nil
203	.005	Tr	Nil



SHEET 4

D.M.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

YELLOW PINE MINE

BRADLEY MINING CO.

Stibnite, Idaho

D.M.A. Progress Report for March, 1952

Contract 14n - 5173

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 838 and 886 feet averaged 0.75% antimony and 0.045 oz./ton gold. Car samples averaged somewhat lower.

J. A. Keeia
Assistant Manager

JAK/ja
4/11/52

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	1,986.14	5,930.76	7,916.90			
5. Supervision Item 4	534.13	1,465.84	1,999.97			
6. Supplies Item 5						
(a) Timber	305.14	2,112.01	2,417.15			
(b) Explosives	723.66	2,420.05	3,143.71			
(c) Repair Parts	68.67	218.14	286.81			
(d) Other	1,287.11	4,106.34	5,393.45			
7. Power Item 5	53.82	54.94	108.76			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Item 5						
Repairs & Utilities	114.83	635.07	749.90			
Engineering & Accounting Item 4	300.00		300.00			
Total	7,499.41	25,407.33	32,906.74			
Deletions		1,657.83	1,657.83			
Adjusted totals	7,499.41	23,749.50	31,248.91			
Totals previously reported						
Totals to date	7,499.41	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 [signature]
Entered by
Approved by Thomas E. Howard
Amount approved for payment $562.57
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

BRADLEY MINING CO.
STINKITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS WATER SYSTEM
Contract Idm-2173, 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-2173, Exhibit A, Item 2

1	10 KW Hertner Motor Generator Set with Single Circuit Panel to Charge 80 Cell C-6 Edison Battery. Serial No. 63535-4-5 (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-2173, 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) @ $1.717	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 Ydm-2173, Exhibit A, Item 5

(a) Timber

416 lin. ft.	Stull Timber	$ 41.60	
1854 bd. ft.	3 x 12 Lumber	203.40	
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 Jackleg	.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, WL21	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, #D-12-75	1.05	
1	Goose Neck, #D-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, #C113	4.00	
1	Element Kit, #048068	1.21	
			68.67

(d) Other

304 gal.	Stove Oil	54.88	
986 gal.	Diesel Oil	169.59	C
42 gal.	Motor Oil, #20	22.15	O
17	Timken Carbide Bits, MUA 1-5/8	192.35	S
200 ft.	Hex Drill Steel, 1"	67.38	S
1,258 ft.	Rail, 20#	490.62	T
147 ft.	Black Pipe, 1"	26.39	P
50 ft.	Air Hose, 1/2"	28.75	
200 lbs.	Track Spikes, 3/8 x 3-1/2"	28.57	T
100 pr.	Rail Splice Bars	63.95	T
100 lbs.	Common Nails, #60	10.58	
1	Rifle Bar, B58J50	21.05	RB
1	Rifle Bar Nut, 64J50	6.00	RB
2	Hack Saw Blades	.73	

(d) Other (Continued)

12	Light Bulbs, 150 w	$ 1.80	
1 cyl.	Oxygen	5.63	
3	Shovels, #5W2MAF	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	Scopetones	.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-8173, Exhibit A, Item 5

6996 KWH	Electric Power @ 0.00769268	$ 53.82	
			$ 53.82

ITEM 11 - OTHER REPAIRS & UTILITIES
Contract Idm-8173, 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. Hillman — 1st Carpenter
17 hrs. Straight Time @ $1.775 — $ 30.18

Repairs to Transmer Motor
Benjamin H. 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-8173, 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 N. Division Street
Spokane 2, Washington

Re: Contract Idm-K173

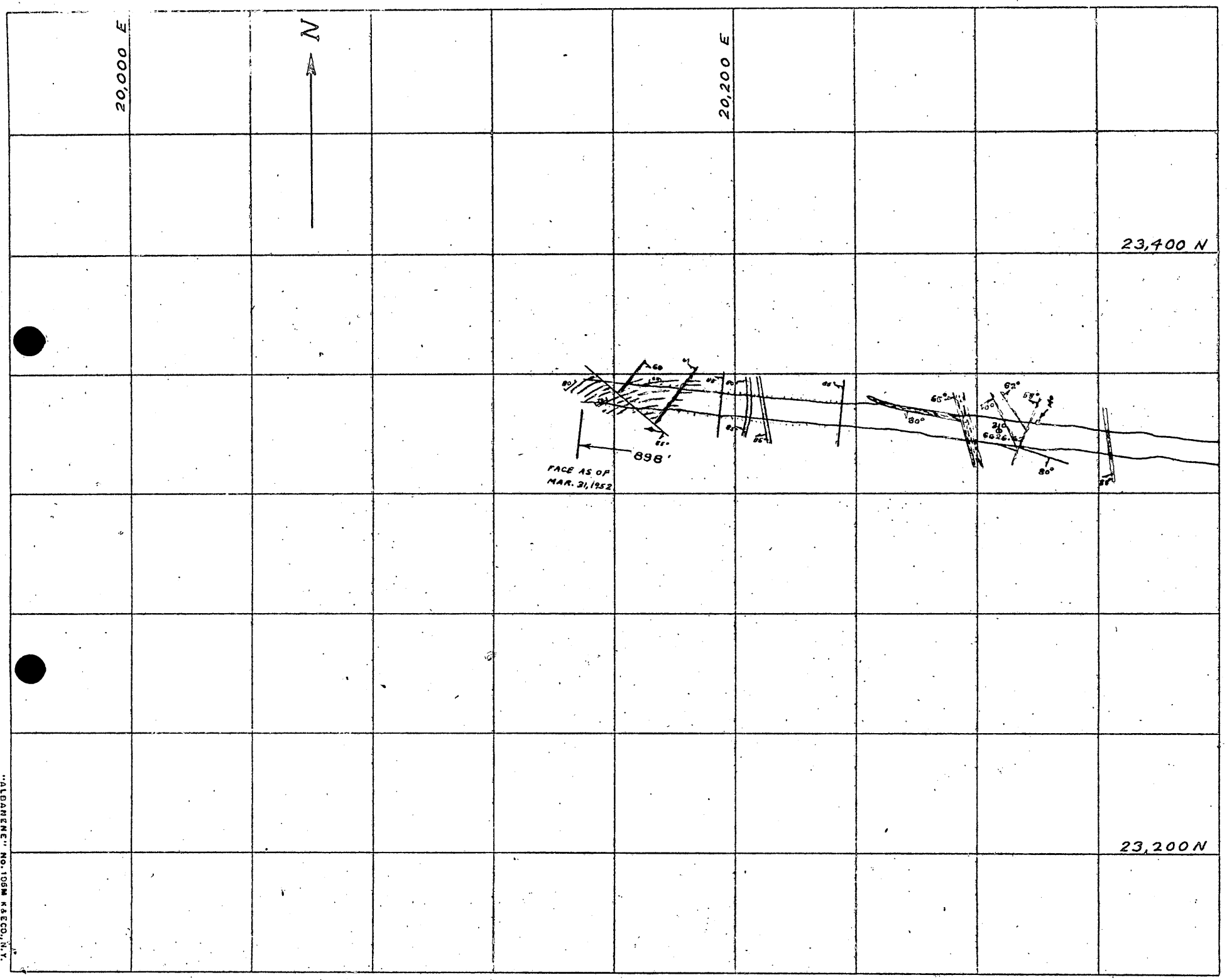
CERTIFICATION

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. N. Coleman

E. N. Coleman
Manager and Idaho Agent



SCALE : 1" = 40'

D.M.A. TUNNEL
GEOLOGY

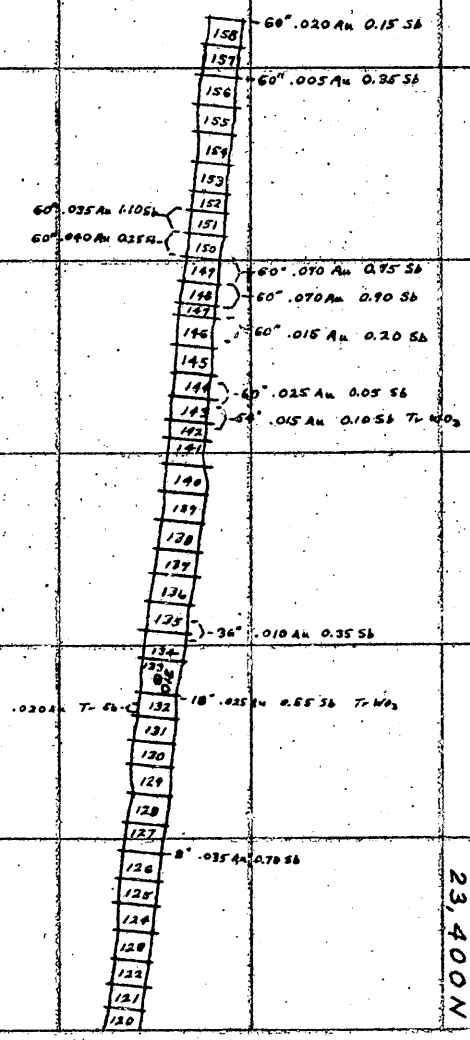
SHEET 3

"ALDARENE" No. 1069M K&E CO., N.Y.
REG. U.S. PAT. OFF
40080

"ALBANENE" No. 100M KEUFFEL & ESSER CO. U.S.A. PAT. OFF. 40080

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3 %
120	.015	Tr	Nil
121	.010	Tr	Nil
122	.005	Tr	Nil
123	.010	Tr	Nil
124	.010	Tr	Nil
125	Tr	Tr	Nil
126	Tr	Tr	Nil
127	.005	Tr	Nil
128	.005	Tr	Nil
129	Tr	Tr	Nil
130	.005	Tr	Nil
131	Tr	Tr	Nil
132	Tr	Tr	Nil
133	.005	Tr	Nil
134	Tr	Tr	Nil
135	.005	0.10	Nil
136	Tr	0.05	Nil
137	Tr	Tr	Nil
138	Tr	Tr	Nil
139	Tr	0.05	Nil
140	.005	0.05	Nil
141	.005	Tr	Nil
142	Tr	Tr	Nil
143	.010	Tr	Nil
144	.010	Tr	Nil
145	.005	0.10	Nil
146	.005	Tr	Nil
147	.030	0.50	Tr
148	.045	0.60	Tr
149	.035	0.75	Nil
150	.040	0.05	Nil
151	.020	0.90	Tr
152	.010	0.10	Nil
153	.010	Tr	Nil
154	Tr	0.30	Tr
155	.010	0.45	Tr
156	.010	0.35	Tr
157	.005	0.20	Nil
158	.005	0.05	Nil



SHEET 3

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

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 128LX
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.

Received
MAR 3 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 [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						1 ft.				1,500
Crosscutting	2,115.34	615.09	2,018.30	259.91	5,008.64	1 ft.	239	414	653	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 - # 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.

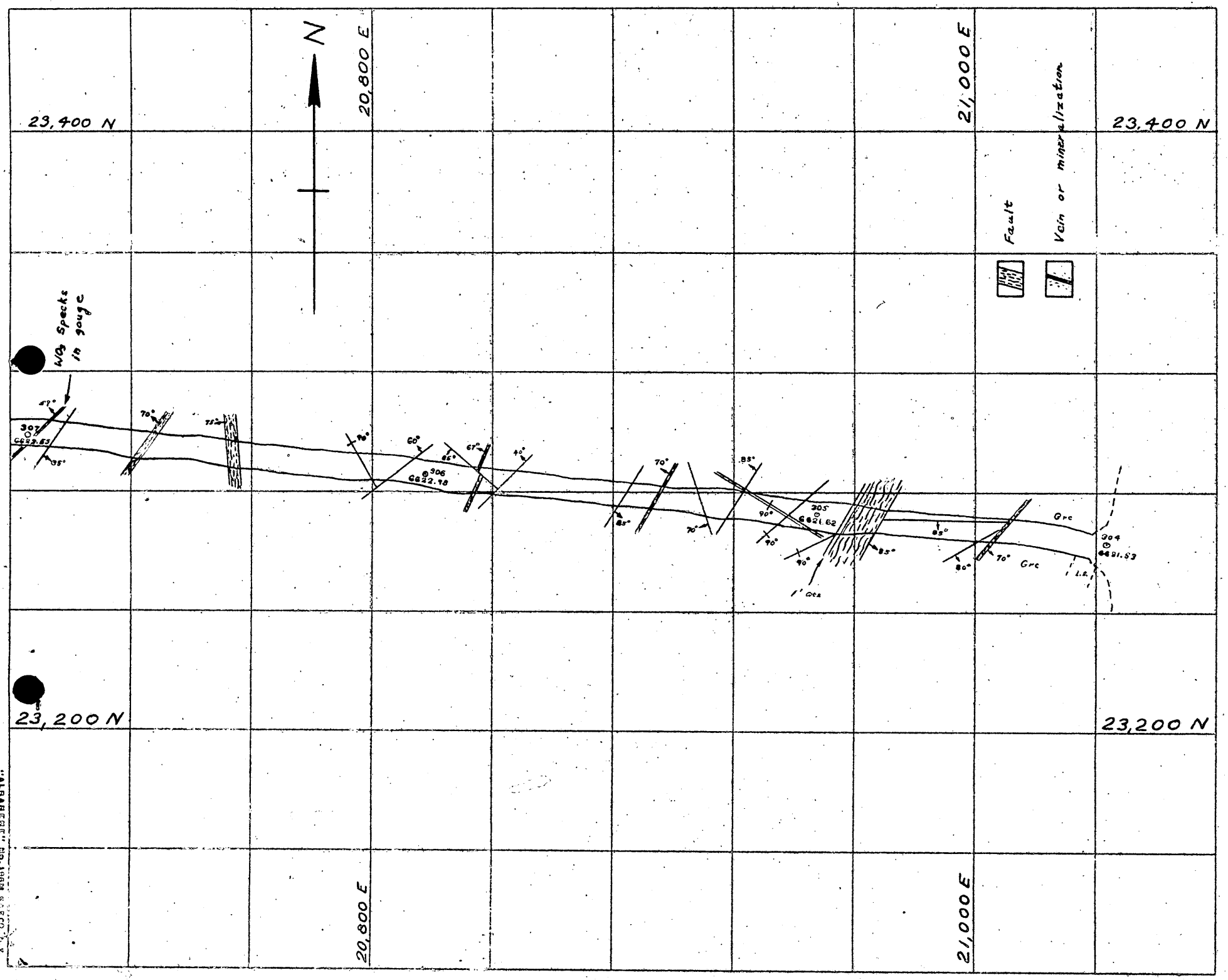
Mineralization consists primarily of pyritic replacement of biotite and chloritic alteration. Pyritization is confined to the immediate vicinity of the pre-mineral faults, whereas the chloritic alteration is more widespread, although more intense adjacent to the faults. Chloritic alteration has become 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. Macia
Assistant Manager

JAM/jm



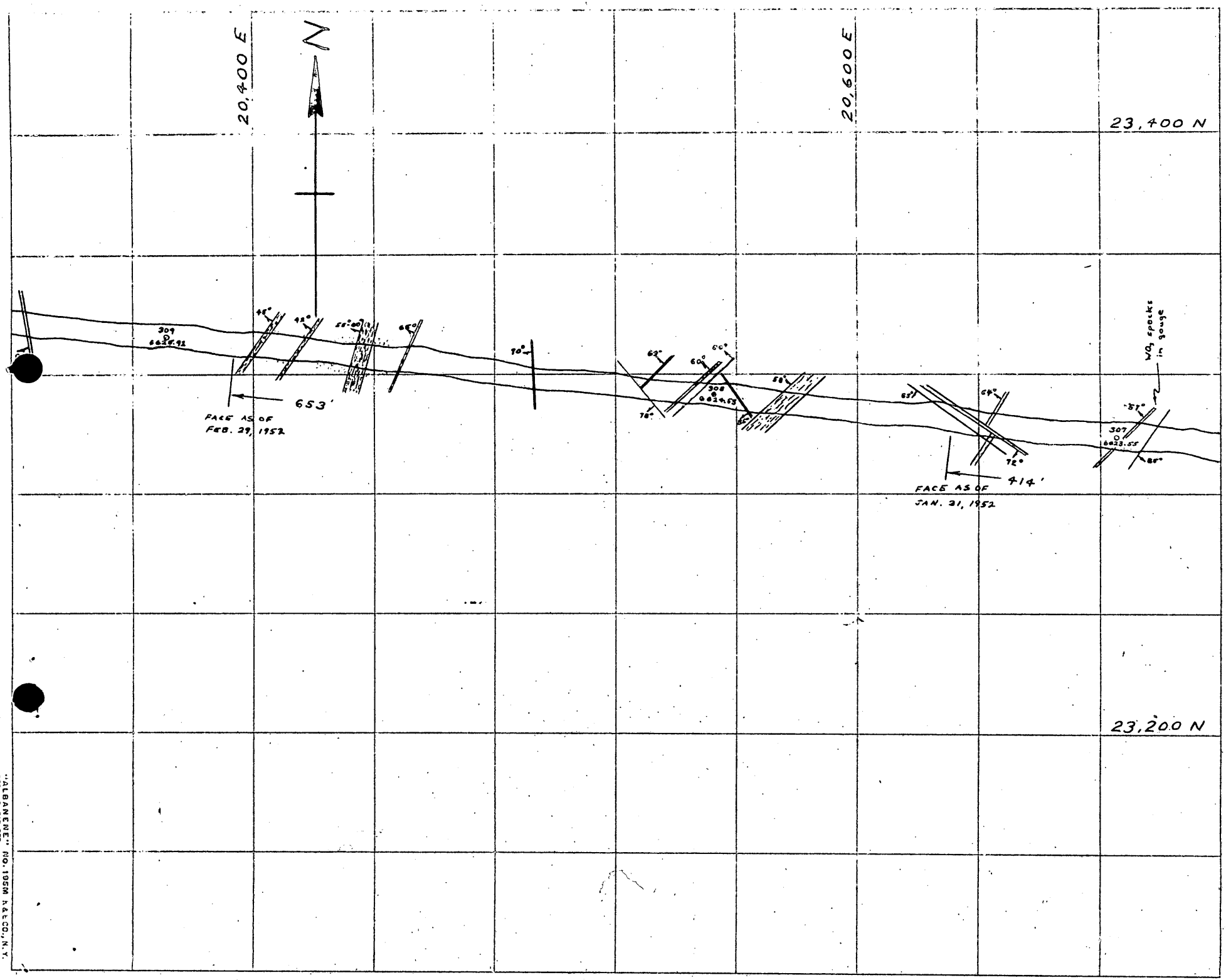
SCALE : 1" = 40'

D.M.A. TUNNEL

GEOLOGY

SHEET 1

"ALBANENE" NO. 1988M
REG. U.S. PAT. OFF.
ALBANENE CO. N.Y.



SCALE : 1" = 40'

D.M.A TUNNEL
GEOLOGY

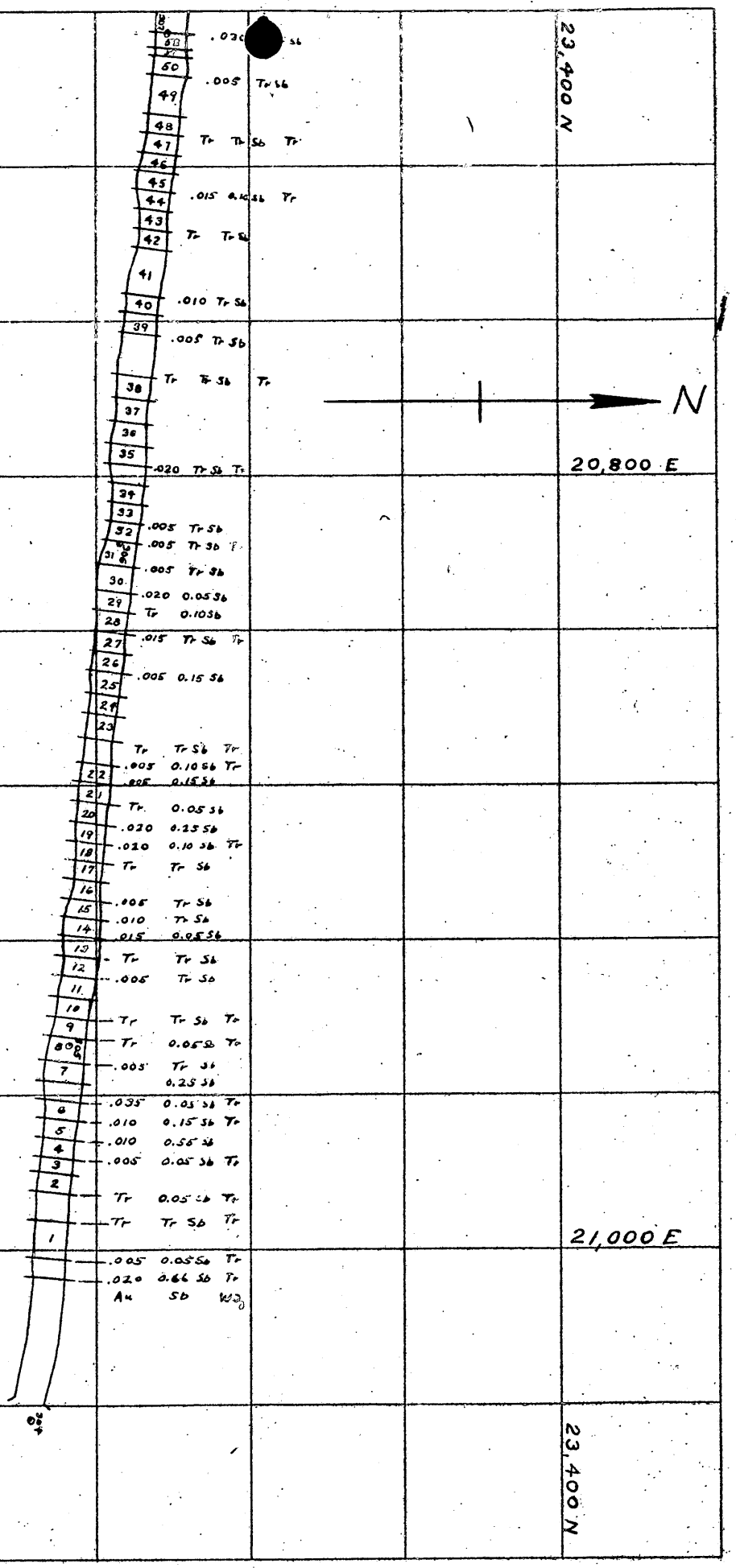
SHEET 2

"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.

"ALDANENE" No. 1000R KAGSON, N.Y.

CAR SAMPLES

No.	Au oz/ton	Sb %	WO_3
1	.005	0.05	Tr
2	.010	0.20	Nil
3	.005	0.10	Tr
4	.015	0.20	Nil
5	.010	Tr	Tr
6	.030	Tr	Tr
7	Tr	Tr	Tr
8	Tr	Tr	Nil
9	Tr	Tr	Tr
10	Tr	Tr	Tr
11	.005	Tr	Tr
12	Tr	0.05	Tr
13	.005	Tr	Nil
14	Tr	Tr	Nil
15	.005	Tr	Nil
16	.005	Tr	Tr
17	.005	Tr	Nil
18	.005	Tr	Tr
19	.020	0.55	Nil
20	.010	Tr	Tr
21	Tr	0.30	Nil
22	Tr	0.30	Tr
23	.005	Tr	Nil
24	.005	0.05	Nil
25	.005	0.10	Tr
26	Tr	0.05	Tr
27	Tr	0.05	Nil
28	Tr	Tr	Nil
29	.005	0.05	Tr
30	.005	Tr	Tr
31	.005	Tr	Nil
32	.005	Tr	Nil
33	Tr	Tr	Tr
34	.015	0.10	Tr
35	.010	0.05	Tr
36	.005	Tr	Tr
37	Tr	Tr	Tr
38	.005	Tr	Tr
39	.005	Tr	Nil
40	.030	0.10	Tr
41	Tr	Tr	Tr
42	.005	Tr	Tr
43	Tr	0.05	Tr
44	.005	Tr	Nil
45	.005	Tr	Tr
46	.005	Tr	Nil
47	.005	Tr	Nil
48	Tr	Tr	Nil
49	Tr	Tr	Nil
50	.005	Tr	Tr
51	.025	Tr	Nil
52	.020	Tr	Nil

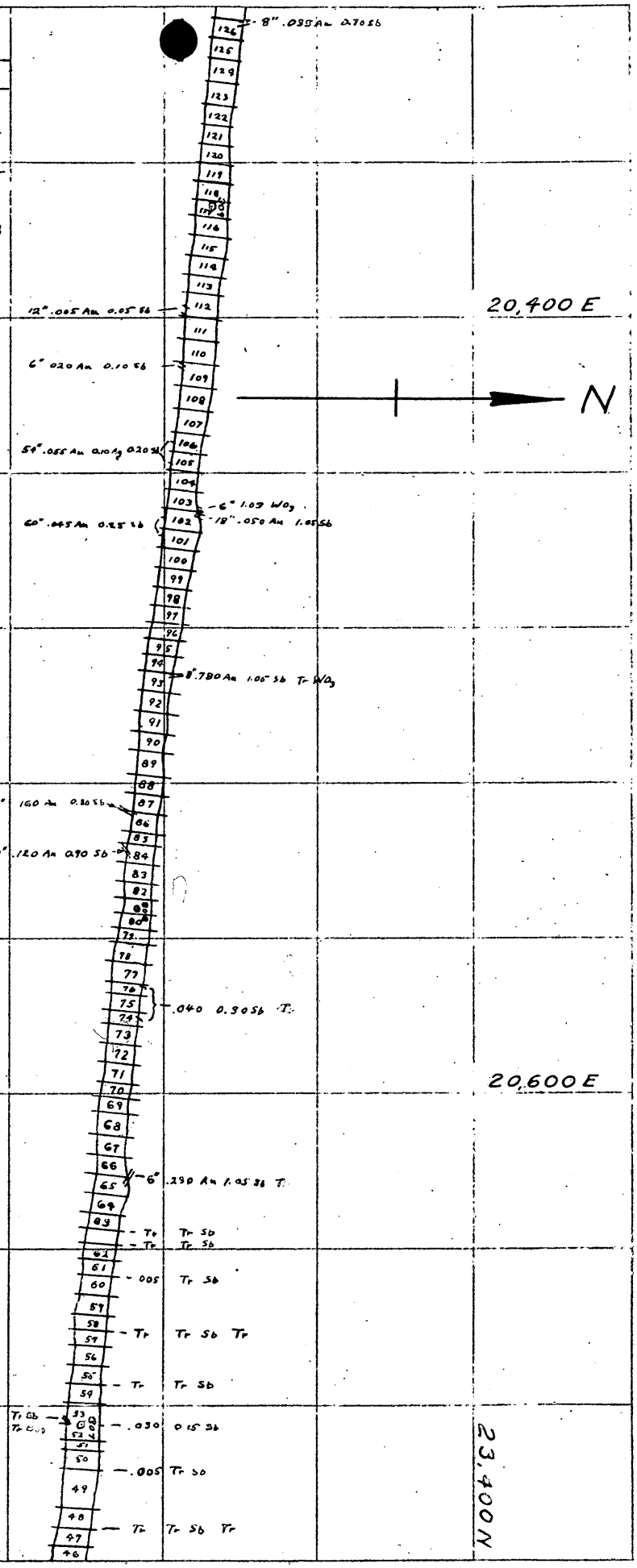


SHEET 1

D.M.A. TUNNEL
ASSAY MAP

SCALE: 1" = 40'

CAR SAMPLES							
No.	Au oz/ton	Sb %	WO_3 %	No.	Au	Sb	WO_3
46	.005	Tr	Nil	103	.015	Tr	Tr
47	.005	Tr	Nil	104	.020	0.10	0.02
48	Tr	Tr	Nil	105	.025	0.25	0.02
49	Tr	Tr	Nil.	106	.035	0.25	0.15
50	.005	Tr	Tr	107	.020	0.15	0.03
51	.025	Tr	Nil	108	.010	0.05	0.03
52	.020	Tr	Nil	109	.010	0.05	Tr
53	.005	Tr	Nil	110	.010	0.10	Nil
54	.005	Tr	Nil	111	.015	0.20	Nil
55	Tr	Tr	Tr	112	.040	0.15	Nil
56	Tr	Tr	Nil	113	.005	Tr	Nil
57	Tr	Tr	Tr	114	.010	Tr	Nil
58	Tr	Tr	Nil	115	.005	0.05	Nil
59	.010	Tr	Tr	116	.005	0.05	Nil
60	.010	Tr	Nil	117	.010	Tr	Nil
61	.010	0.05	Nil	118	.015	0.05	Nil
62	.005	Tr	Tr	119	.015	Tr	Nil
63	Tr	Tr	Nil	120	.015	Tr	Nil
64	.010	0.05	Tr	121	.010	Tr	Nil
65	.040	0.05	Tr	122	.005	Tr	Nil
66	.010	0.05	Tr	123	.010	Tr	Nil
67	.005	Tr	Nil	124	.010	Tr	Nil
68	.005	0.05	Nil	125	Tr	Tr	Nil
69	.005	Tr	Tr	126	Tr	Tr	Nil
70	Tr	Tr	Tr				
71	.005	0.05	Tr				
72	.005	Tr	Tr				
73	.005	0.05	Tr				
74	.020	0.20	Tr				
75	.025	Tr	Tr				
76	.025	Tr	Tr				
77	.005	0.20	Tr				
78	Tr	Tr	Tr				
79	.005	0.05	Tr				
80	.050	0.45	Tr				
81	.010	0.25	Tr				
82	Tr	Tr	Tr				
83	.030	0.10	Tr				
84	.020	0.15	Tr				
85	.015	0.05	Tr				
86	.020	Tr	Nil				
87	.005	Tr	Tr				
88	.005	0.15	Nil				
89	.010	0.05	Nil				
90	Tr	Tr	Tr				
91	.005	Tr	Nil				
92	.005	0.15	Tr				
93	.005	Tr	Tr				
94	.015	Tr	Nil				
95	.020	Tr	Tr				
96	.025	Tr	Tr				
97	.020	Tr	Nil				
98	.015	Tr	Nil				
99	.015	Tr	Nil				
100	.020	Tr	Tr				
101	.005	Tr	Tr				
102	.010	Tr	0.02				



SHEET 2

DM.A. TUNNEL
ASSAY MAP

SCALE : 1" = 40'

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR

Contract Idm-4173, Exhibit A, Item 3

		Rental Charge	
Compressor	(1 month)	$ 241.67	
Shovel Loader	" "	51.67	
Tramper	" "	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-8173, 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-8173, 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-5173, 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	5100A 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	
168 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	

000085PPXXX

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	.42	
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 T is 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-8173, Exhibit A, Item 5

Hauling Pipe, Ties, and Timber

Alvin G. 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 1284X
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 S. 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						

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 Item 5	17.60	-	17.60			
8. Transportation						
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	1 ft.	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. Mecia
Assistant Manager

C O P Y

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

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-E173, 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-E173, 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.	Stall 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.	Steve Oil	53.76	
1668 gal.	Diesel Oil	284.15	O
13 gal.	20 w Oil	7.58	O
5 gal.	Rock Drill Oil	3.24	O
10	Timken Carbide Bits, MCA 1-5/8	115.90	B
105 ft.	Black Pipe, 1"	18.91	P
63 ft.	Black Pipe, 2"	22.96	P
210 ft.	Black Pipe, 3"	161.33	P
254 ft.	Hex Drill Steel, 1"	85.57	S
250 ft.	Rail, 20 lb.	97.50	T
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	P✓
3	Tees, 3"	5.58	P✓
3	Plugs, 3"	1.35	P✓
1	Plug, 3/8"	.04	P✓
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"	28.75	
3	Locknuts, 3/4"	.03	
3	Flat Washers, 1"	.09	
2	Iron Cock Valves, 1"	4.70	P✓
1	Iron Cock Valve, 1/2"	.94	P✓
1	Gate Valve, 1/2"	2.41	P✓
1	Glv. Street Ell, 1"	.39	P✓
1	Glv. Bushing, 3/4 x 1"	.24	P✓
1	Glv. Bushing, 1/2 x 3/4"	.21	P✓
1	Glv. Bushing, 3/8 x 1/2"	.15	P✓
1	Molasses Gate Valve, 2"	2.67	P✓
1	Street Ell, 1-1/2"	.46	P✓
2	Bushings, 2-1/2 x 1-1/2	.42	P✓
2	Bushings, 1-1/2 x 1-1/4	.58	P✓
2	Nipples, 1-1/4 x 2	.32	P✓
6	Nipples, 1 x 2	.75	P✓
2	Sleeves, 1"	.42	P✓
2	Plugs, 1"	.23	P✓
1	Tee, 1/2"	.23	P✓
2	Nipples, 1/2 x close	.12	P✓
2	Nipples, 1/2 x 4	.19	P✓

ITEM 6 - SUPPLIES (d) Other (Continued)

2	Couplings, 1/2"	.20	PV	
1	Nipple, 3/8 x 2	.09	PV	
1	Sleeve, 1/2"	.10	PV	
1	Bushing, 1/2 x 3/8	.15	PV	
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	PV	
1	Check Valve, 1"	2.84	PV	
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
Elena	" "	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

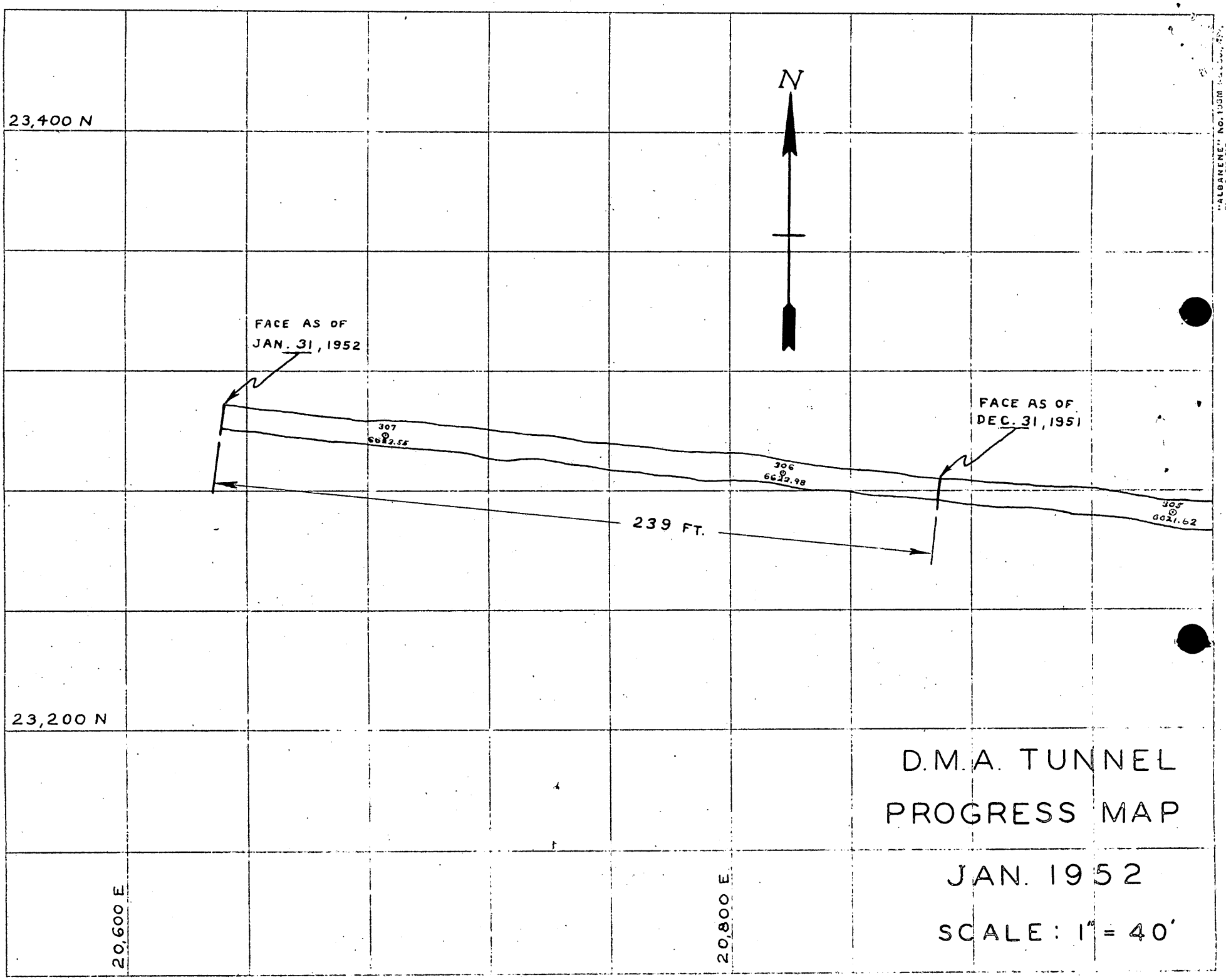
Shifts 150

SUPPORTING LABOR CHARGES - ITEM 5

McGinley	U.M. Foreman	1.74	165	56	287.10	146.16

Hours 221 $ 433.26

Shifts 27.625


N
23,400 N
23,200 N
20,600 E
20,800 E
FACE AS OF
JAN. 31, 1952
FACE AS OF
DEC. 31, 1951
307
6682.55
306
6682.98
305
6621.62
239 FT.
D.M.A. TUNNEL
PROGRESS MAP
JAN. 1952
SCALE: 1" = 40'

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 Orton
(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						

16—64068-3

MONTH[illegible] SUMMARY COST STATEMENT—C[illegible]nued

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 Repairs	84.12	64.50	148.62			
Total	4,930.40	8,025.95	12,956.35			
Deletions						
Adjusted totals						
Totals previously reported						
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 [illegible]
Amount approved for payment
Remarks

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) Fixtures & 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 MINING CO.
YELLOW PINE MINE AND SMELTER
STEUNENBERG, IDAHO

FOR

D.M.A. Progress Report for December, 1951

Contract Idm - X173

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. Macia, Assistant Manager

BRADLEY MINING CO.
STIBNITE, IDAHO

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS - WATER SYSTEM
Contract Idm-8173, 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-8173, 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-8173, 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-8173, Exhibit A, Item (3)

		Rental Charge	
Compressor	(1 month)	241.67	
Shovel Loader	" "	51.67	
Tramper	" "	102.00	
Skilsaws (2)	" "	6.00	
Cutoff Saw	" "	5.83	
Truck	" "	200.00	
			607.17

ITEM 4 - LABOR (See Attached Time Sheets)
Contract Idm-8173, 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	$ 13.8448

Allowable Shift Rate per Contract	Charged to Project
$ 14.73	$ 1,590.50

ITEM 5 - SUPERVISION (See attached Time Sheets)
Contract Idm-8173, 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-8173, 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	O
727 gal.	Diesel Oil (Compressor)	122.14	O
2	Timken Carbide Bits, HCA 1-5/8	23.18	B
100 lbs.	6d Common Nails	10.58	X
1	5 gal. Gas Can	2.13	X
100	1-1/4" Wire Hose Clamps	3.25	X
50	1-3/4" Wire Hose Clamps	3.40	X
25	2-1/2" Wire Hose Clamps	3.43	X
1 keg	3/8 x 3-1/2 Track Spikes	16.79	T
1 keg	1/2 x 2 Track Bolts	21.64	T
1 roll	Twine	1.15	X
1	Peavey Handle	2.98	X
25 lbs.	#12 galv. Wire	2.25	X
294 ft.	1" Black Pipe	50.13	P
310 ft.	3" Pipe	131.66	P
2	Miners Axes	6.30	X
850 ft.	Vent Pipe—per attached invoice	450.50	P
	Transportation on Vent Pipe	48.66	P
1	Welders Goggles	5.10	X

(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	I-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	

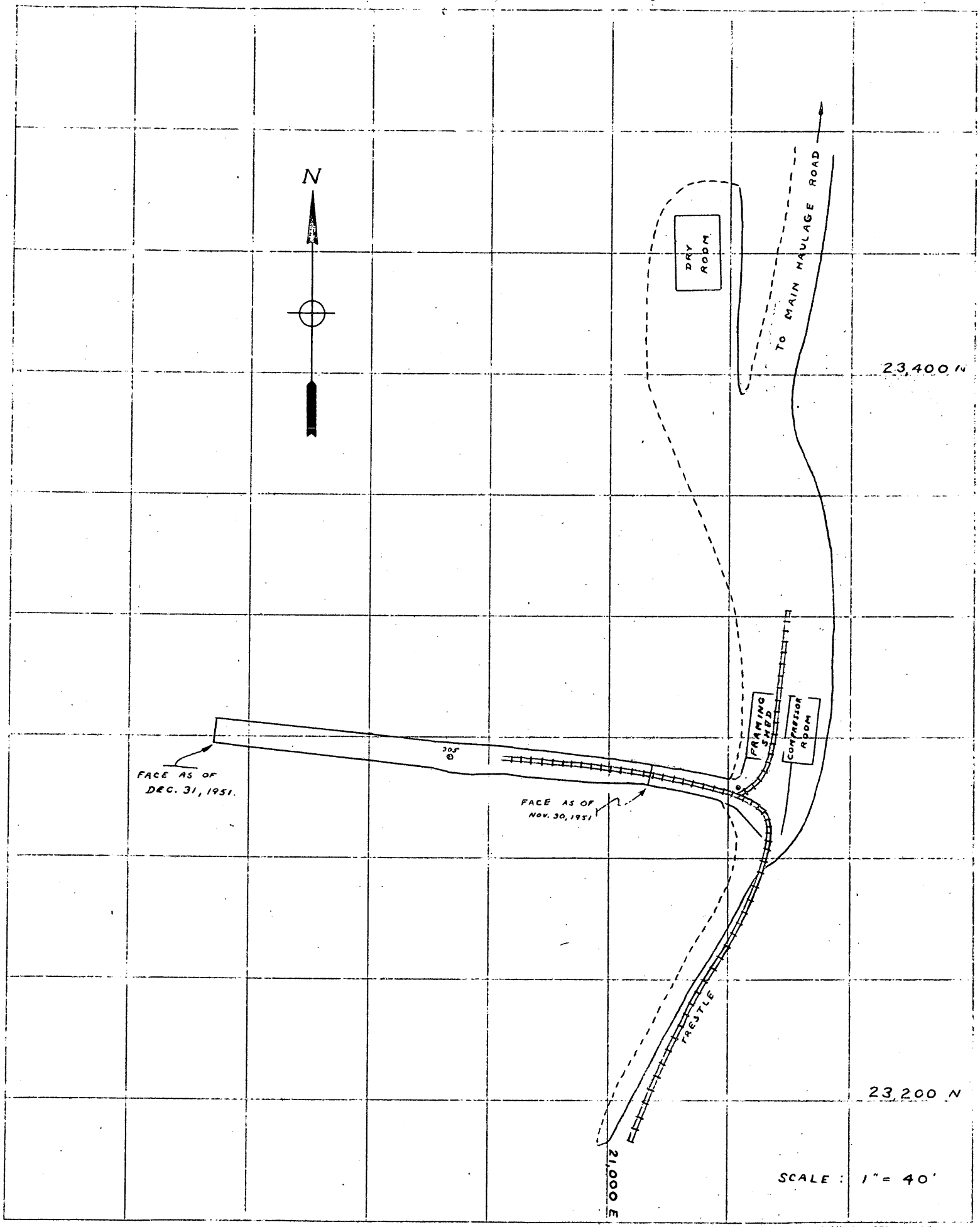
Bradley Mining Co. Equipment Shop Time:

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

SURFACE PLANT
D.M.A. TUNNEL



"ALBANENE" No. 195M K&E CO.
REG. U.S. PAT. OFF

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

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. 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.

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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						
4. Labor[3] Item 4	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 X		379.38 X	290.46		
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify) Repairs Item 5	64.50		64.50			
Total	8,025.95		8,025.95			
Deletions	8.92		8.92			
Adjusted totals						
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 Howell T. Pemo
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										1,500
Crosscutting	690.00	1,146.57	725.96	64.50	2,627.03	1 ft.	37		37	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				5,398.92	5,398.92					
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

BRADLEY MINING CO.
STIBNITE, IDAHO

Oct.-Nov. - 1951

MONTHLY SUMMARY COST STATEMENT
SUPPORTING DETAIL

ITEM 1 - FIXTURES AND IMPROVEMENTS - WATER SYSTEM
(Contract Idm-8173, Exhibit A, Item (1)-(c)

Labor, per payroll - 242 man-hours	$406.12	
F.O.A.B. Tax	6.09	
Unemployment Insurance Tax	5.69	
Workmen'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.	1½ 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	1½ 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" Do	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)

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	3.12
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	Porcelain 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 Lags	.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-2173, 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		$ 1,025.10

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-2173, Exh. A, Item(1)-(b)

Labor, per Payroll - 211 man-hours	$ 354.37	
F.U.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
862 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-8173, 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-8173, Exhibit A, Item (2)

2	J-50 Drills & Jackleggs, per attached Ingersoll-Rand Co. invoice	943.00	$ 943.00

ITEM 2 - OPERATING EQUIPMENT (c) FURNISHED BY OPERATOR
Contract Idm-8173, 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-8173, 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-8173, 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

MONTHLY SUMMARY COST STATEMENT SUPPORTING DETAIL

ITEM 6 - SUPPLIES (Contract Idm-E173, Exhibit A, Item (5))

(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

3900 ft.	Fuse	35.13	
1900	#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

200 ft.	20# Rail	95.20	T
4	3/4 to 1" Pipe Bushings	.79	F
1	Crestaley Wrench, 10"	1.85	X
33 lbs.	Gear Lube, #90	4.54	O
2	Timken Carbide Bits, MCA 1-5/8	23.18	D
95 gal.	Stove Oil	16.91	X
16 gal.	#20 Oil for Compressor	9.33	O
3	Miner's Pick Handles	1.56	X
2	Padlocks	2.00	X
1	DuPont Cap Crimper	80.92	deleted
1	1/2" Ratchet	6.25	X
1	1" Square Socket	1.72	X
21 ft.	2" Pipe	7.85	F
3	4 x 6" Nipples	3.39	F
2	4" Couplings	6.04	F
1	#3 Stayput hose Clamp Tool	11.00	X
2	1" Iron Cock Valves	4.70	F
2	1/2" Cold Shuts	.27	X
565 gal.	Diesel Fuel for Compressor	94.92	O
2 gal.	Gasoline for Compressor	.55	O
1	True Temper Axe	3.64	X
1	Shovel	2.77	X
			379.38

ITEM 11 - OTHER REPAIRS (Contract Idm-E173, Exh. A, Item (5))

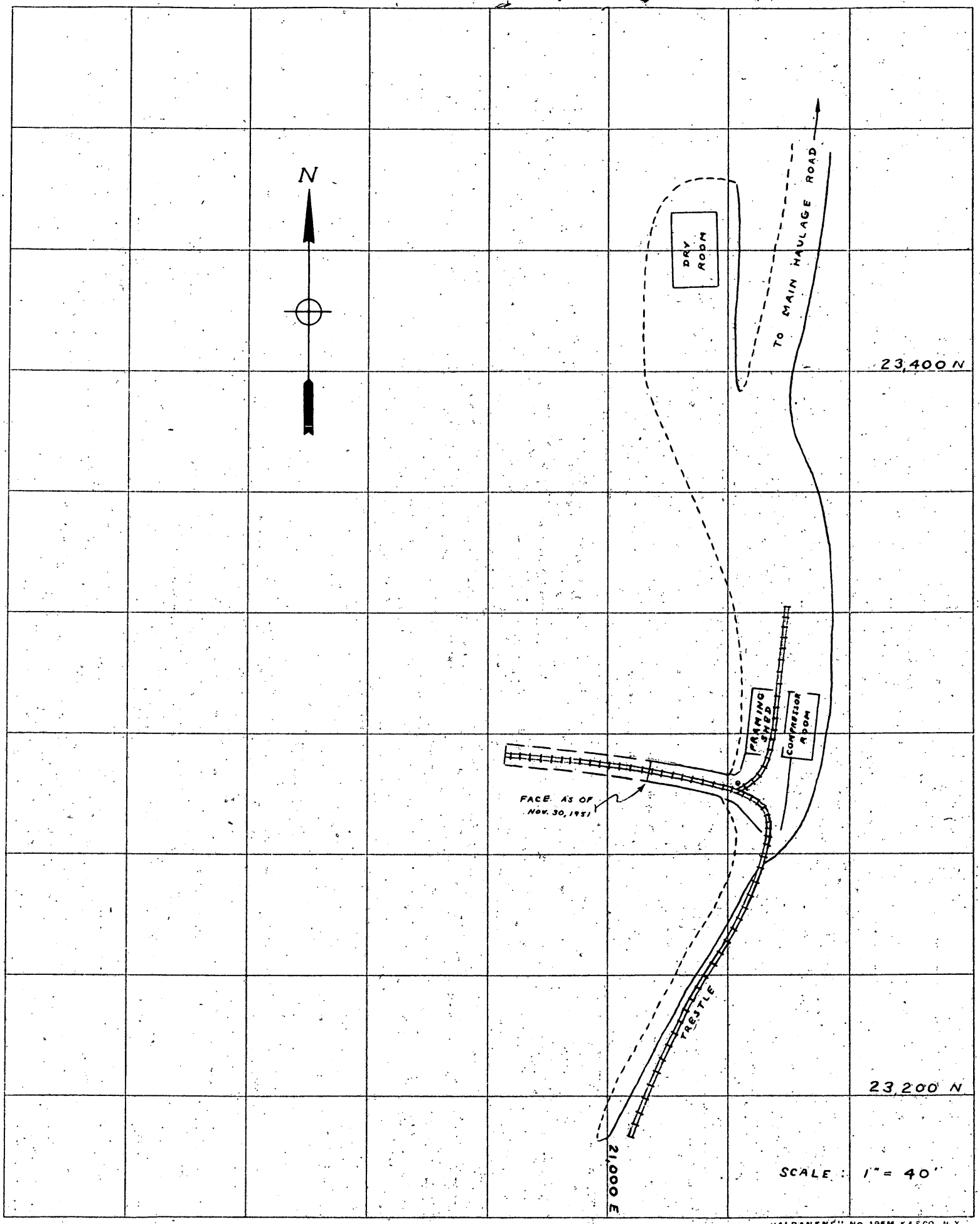
Bradley Mining Co. Machine Shop Time:

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

SURFACE PLANT
D.M.A. TUNNEL



"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

SUMMARY OF TIME CARDS ATTACHED

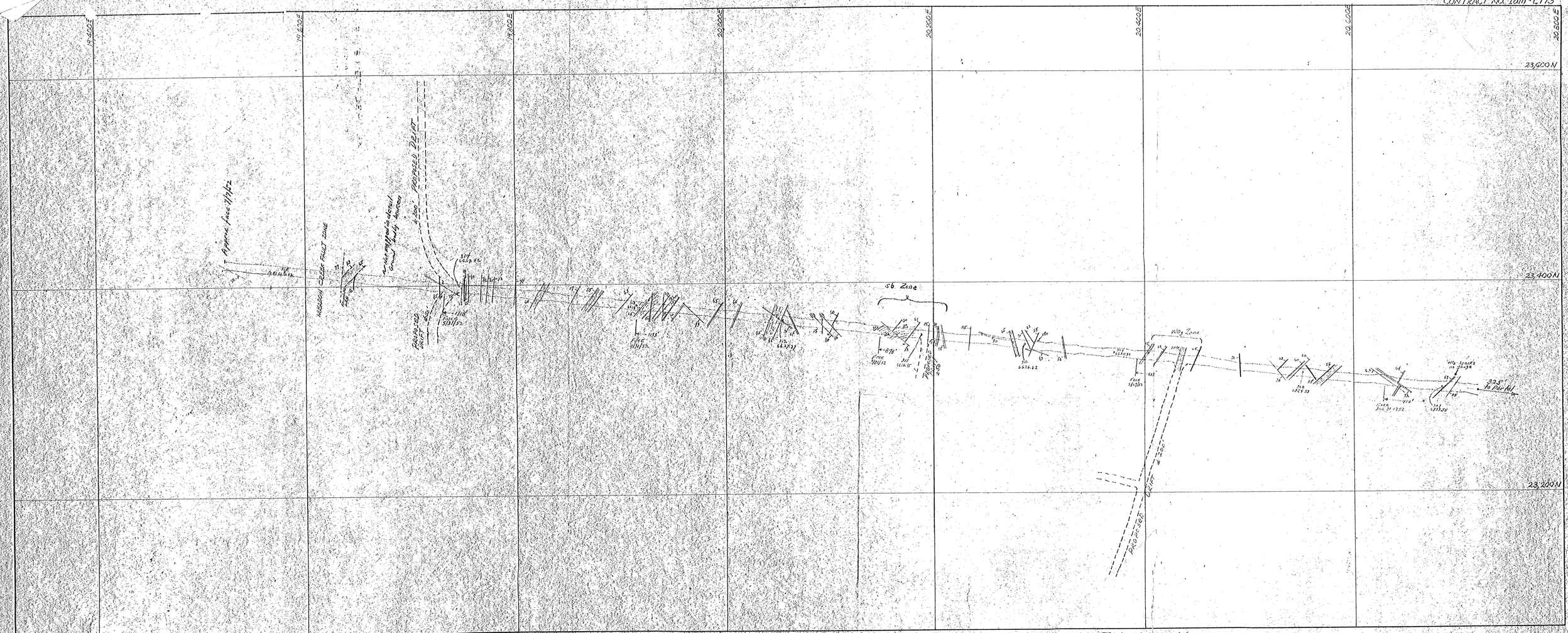
SUPPORTING LABOR CHARGES - ITEM 4

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			

DMEA DOCKET No. 1284-X
CONTRACT NO. Idm-E113



GEOLOGIC MAP OF DMEA TUNNEL, BRADLEY MINING CO., VALLEY COUNTY, IDAHO

1" = 40'