OFFICIAL FILE COPY

Date	Surname	Code

left side

500

January 24, 1958

Memorandum

To: Mr. W. N. Chamberlain, Statistics Branch
Division of Operation Control & Statistics

From: Director, Division of Base Metals

Subject: Semi-Annual Reports on Certified Projects

With reference to your January 23rd memo, on the eighteen certified projects you listed, only three are actually delinquent in the Field. They are:

Docket No. DMEA-1 & 1A	Chief Consolidated Mining Company
Docket No. DMEA-434	Lead Carbonate Mines, Inc.
Docket No. DMEA-1297	East Ridge Mining Company

We shall write Region III requesting that the proper reports be made.

Much of the lack is due to error in this office, it seems that it was not clearly understood that inactive projects nevertheless, should be reported to you. The following were properly reported by the Field but the information was not sent to you.

Inactive during the period January 1 - June 30, 1957.

Docket No.	Contract No.	Name
DMEA- 171	Idm-E291	West Park Mining Company
DMEA- 627	Idm-E 34	Cadwell Mining Company
DMEA-1175	Idm-E251	Amador Mining Company
DMEA-1708	Idm-E229	Kentucky-Utah Mining Company
DMEA-1959	Idm-E223	Hoodoo Mines (Gardner & Vance)
DMEA-2612	Idm-E489	Granore Company
DMEA-2885	Idm-E529	New Penn Mines, Inc.

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. USGSP00000375

Active during the period.

Docket No. DMEA-113 Contract No. 265 New Quincy Mining Company

Produced 64 tons of ore. DMEA reserve now totally depleted and no tonnage remains.

Four of the contracts you listed are still active projects and we do not receive Semi-Annual reports. They are:

Docket No. DMEA-1635 Silver Star-Queen Mines
Docket No. DMEA-2719 Day Mines, Inc.
Docket No. DMEA-2086 Providence Tuolumne Gold Mines, Inc.
Docket No. DMEA-1548 Ross Mines, Inc.

Three were paid in full and no reports could be demanded, they were:

Docket No. DMEA-1526 Vermont Copper Company, Inc.
Docket No. DMEA-1227 Vinegar Hill Zinc Company
Docket No. DMEA-2444 Outlet Mining Company

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Dockets (8)
Mis. File
Chron.

Withheld

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED DEC 9 1958 O.M.E.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1958 Docket No. DMEA 2719 Contract No. Idm-1484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 415,250.00 Government Participation: 50 % Amount, $ 207,625.00

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:						
Pocket		5,187.00	5,187.00	12/18/58 WPK	5187.00	5187.00
Sump		3,399.48	3,399.48		3399.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Diamond		7,194.00	7,194.00		7194.00	7194.00
Drilling: Percussion	1,901.25		1,901.25	1901.25	—	1901.25
Bulldozing						
Crosscutting & Drifting		204,868.80	204,868.80		204868.80	204868.80
Raising		23,135.00	23,135.00		23135.00	23135.00
Shaft		62,600.00	62,600.00		62600.00	62600.00
1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
(2) Labor and Supervision:						
Labor		7,500.00	7,500.00		7500.00	7500.00
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		1,230.00	1,230.00		1230.00	1230.00
Rock Bolts		252.00	252.00		252.00	252.00
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		7,020.00	7,020.00		7020.00	7020.00
(7) Miscellaneous:						
Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
Liability Insurance						
1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
TOTALS	1,901.25	394,999.28	396,900.53	1901.25	394999.28	396900.53

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug. 12, 1958 *Payee Day Mines, Inc.
Per N. K. Rue Title Asst. 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:

$ 950.62

Signature Forest F. Long
(Authorized Certifying Officer)

Date 12/3/58 Vou. No. 2255
(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. E484 in accordance with the terms of the contract.

Signature /s/ John D. Bardell Title Metallurgist Date Nov. 5, 1958

APPROVAL BY ~~DMEA~~ ONE EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Dec. 4, 1958

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

RECEIVED DEC 9 1958 O.M.E.

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

Month of June 1958 Docket No. DMEA 2719 Contract No. Idm-Eh84
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

Stage	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
II	1900 Level Pocket				1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting				204,868.80	4,268.1	48.00	4575.8	$48/ft. (1)
I	Crosscutting Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Raising Shafts				62,600.00	313	200.00	313	$200/ft.
II	Shafts Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Winzes Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	Churn Core				2,702.00	772	3.50	2000	$3.50/ft.
II	Auger Percussion	Ft.	1,901.25	1,267.5	1,901.25	1,267.5	1.50	1600	$1.50/ft.
II	1600 Level Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	Trenching Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	Test Pits Sumps & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	Roads and Trails 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	Timbering				1,230.00	246	5.00	446	$5.00/ft. (2)
II	Rock Bolts				252.00	63	4.00	250	$4.00/ea. (2)
II	2-Compartment Winze				55,125.00	350	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		1,901.25		381,757.53				CONTRACT
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs				8,123.00				8,123.00
	New Buildings, Improvements, etc.				7,020.00				7,020.00 3)
	TOTAL COSTS		1,901.25		396,900.53				

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

Date Aug. 12, 1958 Operator Day Mines, Inc.

Per N. K. Rue Title Asst. Secty.

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)

s/ John A. Lordell

		Authorized Stage I	Authorized Stage II	Authorized Total	Completed Stage I	Completed Stage II	Completed Total
1)	Drifting & Crosscutting	3505.8'	1070'	4575.8'	3389'	879.1'	4268.1'
2)	Timbering *	246'	200'	446'	246'	0.0	246'
	Rock Bolts *	0	250	250	0	63	63
3)	New bldgs., improvements	$1000	$6020	$7020	$1000	$6020	$7020

* Rock ~~bolts~~ bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock Bolts $1,000.

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

DMBA 471 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN JUNE, 1958

Production of ore subject to DMBA royalty in June, 1958, totalled 848 tons which assayed:

11.8 ounces silver per ton
20.3 per cent lead
2.1 per cent zinc

Progress in Stage II exploration in June consisted of 1,267.5 feet of percussion-drilled long holes, shown on the accompanying 20-scale map and summarized as follows:

1600 level:	8 holes,	302.0 ft. drilled.
1750 level:	2 holes,	96.0 ft. drilled.
1500 level:	18 holes,	869.5 ft. drilled
		1,267.5 ft. drilled

An allowance of $1.50 per foot drilled was authorized by the amendment of July 2, 1958.

ROLLIN S. CARRIN,
Assistant Manager.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

DMEA
RECEIVED SEP 2 1958

DATE	INITIALS	CODE
9/2	C	220
2	Conn	100
"	[illegible]	110
9/3	[illegible]	800
		500

August 20, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-2719 (lead-zinc), Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Contract No. Idm-E484 (Amended)

The final work on this project was discussed with Mr. Garth Crosby, chief geologist, at Wallace, Idaho, on August 13, 1958. The long hole percussion drilling on the 1600 level had been completed late in July. This was the last work done on the project although the total authorized work had not been completed.

Amendment No. 1, dated July 2, 1958, to the amended contract transferred enough funds from unused drifting footage on the 1900 level for 1600 feet of long hole percussion drilling at $1.50 per foot on the 1600, 1750 and 1900 levels.

Eight long holes, aggregating 302 feet, were drilled from the 1600 level in the general vicinity of the 466 crosscut which is roughly 300 feet southwest of the 1600 to 1900 winze. Two horizontal holes into the footwall were blanks. Three inclined holes from the 466 crosscut penetrated the faulted vein below the Hercules fault. Average of the three holes showed a width of 4.5 feet, 2.4 percent lead and 5.7 percent zinc. One hole south and two holes north of the crosscut penetrated the same vein which was from 1.0 to 2.5 feet wide with relatively low-grade mineralization. The hanging wall holes indicate that the faulted vein is the downward continuation of the vein exposed in the 1900 level.

The status of the contract work authorized and completed at the end of the project was:

Date of contract: February 5, 1953
Termination date: October 5, 1956
Amount of contract: $288,710.00
Amount spent: 278,570.48 (subject to final audit)

Stage I	Authorized	Completed
Install pumps, blowers, etc.	1 unit	1 unit
Shaft sinking, 1200 to 1600 level	313 ft.	313 ft.
1600 level station	6200 cu. ft.	6200 cu. ft.
1600 level pocket and sump	6456 cu. ft.	6456 cu. ft.
1600 level drifting and/or crosscutting	3505.8 ft.	3389 ft.
1600 level diamond drilling (actual cost)	1361.5 ft.	1361.5 ft.
1600 level diamond drilling (agreed unit cost)	2000 ft.	772 ft.
1600 level timbering	246 ft.	246 ft.
1600 level timbered raise	330.5 ft.	330.5 ft.

Date of contract: December 6, 1956 (as amended)
Effective date: February 5, 1953
Termination date: December 5, 1958
Amount of contract: Stage I $288,710.00
Stage II 126,540.00
$415,250.00

Amount spent: Stage I $278,570.48 (subject to final audit)
Stage II 118,330.05 (" " " ")
$396,900.53

Stage II	Authorized	Completed
1600 level rock bolts	50	20
1600 level drift	70 ft.	65 ft.
1600 to 1900 level winze and sump	350 ft.	353.5 ft.
1600 level station	1600 cu. ft.	1600 cu. ft.
Install hoist and ventilation	1 unit	1 unit
1600 level head raise	75 ft.	75 ft.
1600 level pocket raise	50 ft.	50 ft.
1900 level station	2600 cu. ft.	2603 cu. ft.
1900 level pocket	35 ft.	35 ft.
Install 1900 level substation and power cable	1 unit	1 unit
1900 level pump, signal system and loading gate	1 unit	1 unit
1900 level drifting and/or crosscutting	950 ft.	814.1 ft.
1900 level rock bolts	250	43
Percussion long holes	1600 ft.	
1600 level, 8 holes 302 ft.)		
1750 level, 2 holes 96 ft.)		
1900 level, 18 holes 869.5 ft.)		
1267.5 ft.		1267.5 ft.

814.1
869.5
1683.6
x 279.9
11.8?

A Certification of Discovery was made February 20, 1956.

The Government has no equity in any equipment or supplies used on the project.

Ore mined subject to DMEA royalty thru June 1958 was 53,008 tons averaging 2.45 ounces silver per ton, 5.2 percent lead and 3.0 percent zinc.

John D. Bardill

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Turner
Docket
Bardill

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

Budget Bureau No. 42-R1036.5

RECEIVED JL. 16 1958 U.S.

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

Month of May 1958 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 415,250.00 Government Participation: 50% Amount, $ 207,625.00

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: Pocket		5,187.00	5,187.00	7/21/58 W.K.	5187.00	5187.00
~~Contracts:~~ Sump		3,399.48	3,399.48		3399.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Drilling: Diamond		7,194.00	7,194.00		7194.00	7194.00
~~Bulldozing~~: Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	4,387.20	201,048.00	205,435.20	2820.80	201048.00	204868.80
~~Drifting~~: Raising		23,135.00	23,135.00		23135.00	23135.00
1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
(2) Labor and Supervision:						
Labor		7,500.00	7,500.00		7500.00	7500.00
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		1,230.00	1,230.00		1230.00	1230.00
~~Explosives~~: Rock Bolts	252.00		252.00	252.00	—	252.00
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		7,020.00	7,020.00		7020.00	7020.00
(7) Miscellaneous:						
~~Rental of Equipment~~: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Supplies and Labor~~: Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Payroll Taxes~~: 2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
Liability Insurance						
1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
TOTALS	4,639.20	390,926.48	395,565.68	4072.80	390926.48	394999.28

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

Date June 5, 1958 *Payee Day Mines, Inc.

Per N. A. Bue Title Asst. 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:

2036.40

$ 2036.40

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 6/10/58 Vou. No. 2777

(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 484 in accordance with the terms of the contract.

Signature /s/ John T. Barsell Title Metallurgist Date June 6, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date June 10, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUN 16 1958 D.M.E.A.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1958 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

Stage	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
II	1900 Level Pocket		3820.80	79.6	1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	~~4,387.20~~	~~91.4~~	~~205,435.20~~	~~4,279.9~~	~~48.00~~	~~4575.8~~	~~$48/ft.~~ 1)
I	Crosscutting Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Raising Shafts				62,600.00	313	200.00	313	$200/ft.
II	Shafts Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Winzes Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	Churn Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 Level Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	Stripping Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	Trenching Sumps & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	Test Pits 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	Roads and Trails Timbering				1,230.00	246	5.00	446	$5/ft. 2)
II	Rock Bolts	ea.	252.00	63	252.00	63	4.00	250	$4/ea. 2)
II	2 Compartment Winze		4072.80		55,125.00	350	157.50	350	~~$157.50/ft.~~
	TOTAL DISTRIBUTED COSTS		~~4,639.20~~		380,422.68				AUTHORIZED BY CONTRACT
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs				8,123.00				8,123.00
II	New Buildings, Improvements, etc.				7,020.00				7,020.00 3)
			4072.80						
	TOTAL COSTS		~~4,639.20~~		~~395,565.68~~ 394,999.28				

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

REMARKS:

Date June 5, 1958 Operator Day Mines, Inc.

Per N. K. Bue Title Asst. Secty.

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)

		Authorized Stage I	Authorized Stage II	Authorized Total	Completed Stage I	Completed Stage II	Completed Total
1)	Drifting & Crosscutting	3505.8	1070'	4575.8'	3389'	~~890.9'~~ 889.1	~~4279.9'~~ 4268.1
2)	Timbering *	246'	200'	446'	246'	0.0	246.0'
	Rock Bolts *	0	250	250	0	63	63
3)	New bldgs., improvements	$1000	$6020	$7020	$1000	$6020	$7020

* Rock bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock bolts $1,000.

/s/ John D. Bardill

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS IN MAY, 1958.

Production of ore subject to DMEA royalty will be reported later, when final figures are available.

Progress in Stage II exploration included:

Item 7. The 1900 level drift southwest on the Rambler vein advanced 91.4 feet in May and was stopped because of the poor showing of mineralization. The total for drifts and crosscuts on 1900 level is 825.9 feet.

Items 1(c) and 8. Rockbolts installed under 1(c) numbered 43 and those installed under Item 8 numbered 20. The total rockbolts in Stage II to date are sixty-three (63).

A recent application (May 28, 1958) was made to allow exploratory percussion-drilled long-holes as project work. These will not be reported until the application has been answered.

ROLLIN FARMIN,
Assistant Manager.

CONFIDENTIAL COPY
DMEA
RECEIVED JUL 10 1958

DATE	INITIALS	CODE
7/10	[illegible]	225
7/11	[illegible]	[illegible]
		500

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION IN MAY, 1958

Progress in May was reported earlier. Production of ore subject to DMEA royalty in May, 1958, totalled 1,292 tons which assayed:

6.2 ounces silver per ton.

10.5 per cent lead.

0.4 per cent zinc.

ROLLIN FARMIN,
Assistant Manager.

To be attached to Day Mines' progress report for the month of May 1958, Contract No. Idm-E484.

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

1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 26 1958

DATE	INITIALS	CODE
6/26	J.G.	225
26	[illegible]	100
"	[illegible]	110
6/27	[illegible]	800
6/27	[illegible]	500

June 6, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines

Subject: Routine inspection report, Docket No. DMEA-2719 (lead-zinc) Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Contract No. Idm-E484 (Amended)

This project was inspected May 27, 1958, accompanied by R. D. Sample, geologist, U. S. Geological Survey, and Wesley Mason, company engineer.

The 1900 level crosscut and drift had been driven about 770 feet from the winze station.

The vein showing in the face was approximately 6 inches wide of fair grade lead-zinc ore.

The overall lead-zinc mineralization in the drift and crosscut was so poor that the Operator stopped all work on May 23 and at the time of the inspection the equipment was being removed.

The following distances will represent the final measurements of work completed in the 1900 level drift and crosscut:

	Survey Dist.	Curve Adjust.	Adjusted Distance
Sta. MP - Sta. 1901	43.51 ft.		43.51 ft.
Sta. 1901 - Sta. 1902	85.25		85.25
Sta. 1901 - face		15.00	15.00
Sta. 1902 - Sta. 1903	74.57	- 3.00	71.57
Sta. 1903 - Sta. 1904	37.75		37.75
Sta. 1904 - Sta. 1905	47.56		47.56
Sta. 1905 - Sta. 1906	71.79		71.79
Sta. 1906 - Sta. 1907	62.50		62.50
Sta. 1907 - Sta. 1908	93.25		93.25
Sta. 1908 - Sta. 1909	124.50		124.50
Sta. 1909 - face		19.00	19.00
Sta. 1909 - Sta. 1910	96.82	- 7.82	89.00
Sta. 1910 - face	53.40		53.40
	790.90	23.18	814.08

Status of the contract at the time of the inspection was:

Date of contract: December 6, 1956 (as amended)
Termination date: December 5, 1958
Amount of contract: Stage I - $288,710.00
Stage II - 126,540.00
$415,250.00
Amount spent: $390,926.48 (thru April)

	Authorized	Completed
Stage I (includes only items not completed)		
Drifting and/or crosscutting	3,505.8 ft.	3,389 ft.
Diamond drilling	2,000 ft.	772 ft.
Stage II (includes only items not completed)		
1600 level crosscutting	70 ft.	65 ft.
1900 level drifting and/or crosscutting	1000 ft.	814.08 ft.
Rock bolts	250	
1600 level station		43
1900 level drift		20

Total DMEA ore mined subject to royalty, from July 1954 thru April 1958:

50,871 tons averaging 2.2 ounces silver per ton, 4.8 percent lead, and 3.1 percent zinc

John D. Bardill

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

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 26 1958

DATE	INITIALS	CODE
6/26	J.G.	225
26	[illegible]	100
"	[illegible]	110
6/27	[illegible]	800
6/30	[illegible]	500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

June 3, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: R. D. Sample, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-2719 (Lead-Zinc), Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Amended Contract No. Idm-E484

The Hercules mine at Burke, Idaho was inspected by R. D. Sample and John D. Bardill, Mining Engineer, U. S. Bureau of Mines, on May 27, 1958. They were accompanied underground to the 1900 level by Mr. Miller and Mr. Mason, Geologist and Engineer, respectively, of the Day Mines, Inc.; also by Mr. Ralph C. Thompson, mine foreman.

The drift westward on the structure north of the main Rambler vein continued for approximately 100 feet without any encouraging results. The vein which is from 6 to 8 inches wide in the back and face follows closely the foliation of the metamorphic slates and black argillites of the Prichard formation. At the face the vein is about 4 inches wide and dips about 65° to the south. Assays show that this vein contains about 20 percent iron with small amounts of zinc and lead. It is not commercial ore at present prices. Drifting on this structure ceased as of May 23, 1958, and the company has decided to abandon the 1900 level and let it fill with water. At the time of the visit all equipment was being removed from this level and in about a month it will be flooded.

The company plans to continue long hole drilling on the 1600 level to probe for possible parallel ore bodies on that level.

The mill at the Hercules mine is processing from 90 to 95 tons of ore per day. Only two men work in the mill. Ore comes from the 1300 and higher levels. There are no leasers in the mine.

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Sample

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

May 19, 1958

RECEIVED JUN 9

6/9	N.G.	225
10	Com	100
"	JG	110
6/10		800
6/12	~~[illegible]~~	500

MEMORANDUM

To: DMEA Field Team, Region I

From: R. D. Sample, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-2719 (Lead-Zinc), Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Amended Contract No. Idm-E484

The writer accompanied by John D. Bardill, Mining Engineer, U. S. Bureau of Mines, visited the office of the Day Mines, Inc. at Wallace, Idaho on May 15, 1958. Mr. Rollin Farmin, superintendent, was contacted and the status of the Hercules DMEA project was discussed and the latest maps scanned. The maps show that the crosscut northward from the west end of the drift on the 1900 level to intersect some parallel mineralized veins, found by long hole drilling from the main drift, did contact the mineralized structure but the mineralization was mostly iron, (20 per cent) and zinc (1 percent). This is not commercial grade under present prices.

The company now plans to drift westward on this northern structure for several hundred feet but are fearful that the monzonite stock will be encountered before too long. This monzonite stock has never been considered a good host rock, but might be the source rock for the mineralization of the mine. Long holes will be put out along the new drift to test for any unknown structure or mineralization.

The mill at the Hercules continues to process about 1,000 tons of ore per month from higher workings in the mine.

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Sample

5-28-58
A.L.

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

Budget Bureau No. 42-R1036.5

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

Month of April, 1958 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 415,250.00 Government Participation: 50 % Amount, $ 207,625.00

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 Drilling: Pocket		5,187.00	5,187.00		5187.00	5187.00
~~Contracts~~: Sump		3,399.48	3,399.48	7/21/58	3399.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Diamond		7,194.00	7,194.00		7194.00	7194.00
~~Bulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	5,424.00	195,624.00	201,048.00	5424.00	195624.00	201048.00
~~Drifting~~ Raising		23,135.00	23,135.00		23135.00	23135.00
Timbering		1,230.00	1,230.00		1230.00	1230.00
1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
(2) Labor and Supervision:						
Labor		7,500.00	7,500.00		7500.00	7500.00
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		7,020.00	7,020.00		7020.00	7020.00
(7) Miscellaneous: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Repairs to Equipment~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Sampling and Analysis~~ 2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
~~Payroll Taxes~~						
~~Liability Insurance~~						
1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
TOTALS	5,424.00	385,502.48	390,926.48	5424.00	385,502.48	390926.48

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

Date May 27, 1958 *Payee Day Mines, Inc.

Per M. K. Bue Title Asst. 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:

$ 2712.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 6/6/58 Vou. No. 2174

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. DMA-E-48 in accordance with the terms of the contract.

Signature /s/ John D. Bardill Title Metallurgist Date June 3, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date June 6, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1958 Docket No. DMEA 2719 Contract No. Idm-E484

Operator's Name Day Mines, Inc. Minerals Lead-Zinc

Address Wallace, Idaho

Stage	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
II	1900 Level Pocket				1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	5,424.00	113	201,048.00	4,188.5	48.00	4575.8	$48/ft. 1)
I	~~Crosscutting~~ Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	~~Raising~~ Shafts				62,600.00	313	200.00	313	$200/ft.
II	~~Shafts~~ Head Raise				5,550.00	75	74.00	75	$74/ft.
II	~~Winzes~~ Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	~~Churn~~ Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 Level ~~Auger~~ Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	~~Stripping~~ Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	~~Trenching~~ Sumps & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	~~Test Pits~~ 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	~~Roads and Trails~~ Timbering				1,230.00	246	5.00	446	$5/ft. 2)
II	2-Compartment Winze				55,125.00	350	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		5,424.00		375,783.48				TOTAL COSTS AUTHORIZED BY CONTRACT
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs				8,123.00				8,123.00
I-II	New Buildings, Improvements, etc.				7,020.00				7,020.00 3)
	TOTAL COSTS		5,424.00		390,926.48				

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 May 27, 1958 Operator Day Mines, Inc.

Per M K Bue Title Asst. Secty.

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)

/s/ John D. Bardill

		Authorized Stage I	Authorized Stage II	Authorized Total	Completed Stage I	Completed Stage II	Completed Total
1)	Drifting & Crosscutting	3505.8'	1070'	4575.8'	3389'	799.5'	4188.5'
2)	Timbering *	246'	200'	446'	246'	0.0	246.0'
3)	New bldgs. improvements	$1000	$6020	$7020	$1000	$6020	$7020

* Rock bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock bolts $1,000.

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

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN APRIL, 1958

Production of ore subject to DMEA royalty in April totalled 1,314 tons which assayed:

4.0 ounces silver per ton.
7.5 per cent lead.
2.0 per cent zinc.

Progress in Stage II exploration included:

Item 7 -

The 1900 level drift to the southwest on the Rambler vein was extended from 483.5 feet to 596.5 feet, an advance of 113.0 feet during April. The enclosed maps show this advance and the detailed geology exposed by it.

Rollin Farmin
Asst. Manager

maps for
Operator Report
MF 104
for April

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, 1958 Docket No. DMEA 2719 Contract No. Idm-1404
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 415,250.00 Government Participation: 50 % Amount, $ 207,625.00

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: Pocket		5,187.00	5,187.00		5187.00	5187.00
~~Contracts~~ Sump		3,399.48	3,399.48		3399.48	3399.48
Station		4,030.00	4,030.00	7/21/58	4030.00	4030.00
Drilling: Diamond		7,194.00	7,194.00		7194.00	7194.00
~~Bulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	5,664.00	189,960.00	195,624.00	5664.00	189960.00	195624.00
~~Drifting~~ Raising		23,135.00	23,135.00		23135.00	23135.00
Timbering		1,230.00	1,230.00		1230.00	1230.00
1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
(2) ~~Labor and Supervision~~:		7,500.00	7,500.00		7500.00	7500.00
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		7,020.00	7,020.00		7020.00	7020.00
(7) Miscellaneous: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Repairs to Equipment~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Sampling and Analysis~~ 2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
~~Payroll Taxes~~						
~~Liability Insurance~~ 1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
TOTALS	5,664.00	379,838.48	385,502.48	5664.00	379838.48	385502.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 7, 1958 *Payee Day Mines, Inc.
Per M. K. Bue Title Asst. 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:

$ 2832.00

Signature Dorothy F. Lane
(Authorized Certifying Officer)

Date 5/14/58 Vou. No. 2060
(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. 6484 in accordance with the terms of the contract.

Signature /s/ John D. Bardill Title Metallurgist Date May 12, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ R. E. Weissenborn Title Exec. Officer Date May 13, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED MAY 19 1958 D.M.E.A.

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

Month of March 1958 Docket No. DMEA 2719 Contract No. Idn-2404
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

Stage	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
II	1900 Level Pocket				1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	5,664.00	118	195,624.00	4,075.5	48.00	4575.8	$48/ft. 1)
I	~~Crosscutting~~ Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	~~Raising~~ Shafts				62,600.00	313	200.00	313	$200/ft.
II	~~Shafts~~ Head Raise				5,550.00	75	74.00	75	$74/ft.
II	~~Winzes~~ Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	~~Churn~~ Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 Level ~~Auger~~ Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	~~Stripping~~ Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	~~Trenching~~ Sumps & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	~~Test Pits~~ 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	~~Roads and Trails~~ Timbering				1,230.00	246	5.00	446	$5/ft 2)
II	2-Compartment Winze				55,125.00	350	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		5,664.00		370,359.48				TOTAL COSTS AUTHORIZED BY CONTRACT
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs				8,123.00				8,123.00
I-II	New Buildings, Improvements, etc.				7,020.00				7,020.00 3)
	TOTAL COSTS		5,664.00		385,502.48				

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 May 7, 1958 Operator Day Mines, Inc.

Per M. K. Bue Title Asst. Secty.

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)

	Authorized Stage I	Authorized Stage II	Authorized Total	Completed Stage I	Completed Stage II	Completed Total
1) Drifting & Crosscutting	3505.8'	1070'	4575.8'	3389'	686.5'	4075.5'
2) Timbering *	246'	200'	446'	246'	0.0	246.0'
3) New bldgs., improvements	$1000	$6020	$7020	$1000	$6020	$7020

* Rock bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock bolts $1,000.

/s/ John D. Bardell

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

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN MARCH, 1958

Production of ore subject to DMEA royalty in March totalled 1,428 tons which assayed:

2.5 ounces silver per ton
4.7 per cent lead
2.6 per cent zinc

Progress of Stage II exploration included:

Item 7 - The 1900 level drift southwest on the Rambler vein was extended from 365.5 feet to 483.5 feet from the crosscut, an advance of 118.0 feet during March. The enclosed maps show the general position and detailed geology.

ROLLIN FARMIN,
Assistant Manager.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

March 24, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED APR 10 1958

DATE	INITIALS	CODE
4/10	B	220
10	COM	100
11	RC	110
4/11	[illegible]	800
4/11	w-pd.	400

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines

Subject: Routine inspection report, Docket No. DMEA-2719 (lead-zinc) Day Mines, Hercules Mine, Shoshone County, Idaho, Contract No. Idm-E484 (Amended)

This project was inspected March 11, 1958 accompanied by Mr. Wesley Mason, company engineer.

The 1900 level crosscut and drift had been advanced approximately 515 feet since the start of the contract.

Approximately the last 60 feet of the drift was following the vein. The vein had split in two segments, each about one foot wide in the face.

A 2.3-ft. wide sample at Sta. 1907 + 130 ft. assayed 5.7 oz. silver, 14 percent lead and 8.6 percent zinc. Another sample over a width of 1.4 ft. at Sta. 1907 + 108 ft. assayed 3.9 oz. silver, 10.4 percent lead and 16.8 percent zinc. Others were considerably lower grade.

A transit survey by company engineers had been made since my last inspection. The distances were checked as follows:

Sta. 1901 to MP-4	N 17° 11' W	43.51 ft.
Sta. 1901 to Sta. 1902	S 18° 47' E	85.25
Sta. 1902 to Sta. 1903	S 57° 01' W	74.57
Sta. 1903 to Sta. 1904	N 83° 20' W	37.75
Sta. 1904 to Sta. 1905	S 69° 59' W	47.56
Sta. 1905 to Sta. 1906	S 44° 36' W	71.79
Sta. 1906 to Sta. 1907	S 2° 47' E	62.50
Sta. 1907 to face	S 45° W	135.00
		557.93 ft.

Status of the contract at the time of the inspection was:

Date of contract: December 6, 1956 (as amended)
Termination date: December 5, 1958
Amount of contract: Stage I $288,710.00
II 126,540.00
415,250.00
Amount spent: $371,798.44 (thru January 1958)

	Authorized	Completed
Stage I (includes only items not completed)		
Drifting and/or crosscutting	3505.8 ft.	3,389 ft.
Diamond drilling	2000 ft.	772 ft.
Stage II (includes only items not completed		
1900 level drifting and/or crosscutting	1000 ft.	557.93 ft.
1900 level, 200 linear feet timbering or 250 rock bolts	200 ft. or 250 bolts	26 bolts

Total DMEA ore mined subject to royalty, from July 1954 thru January 1958:

47,596 tons averaging 2.1 oz. silver, 4.7 percent lead and 3.1 percent zinc

John D. Bardill

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

2 copies of the map on the scale of 1":20' referred to in the narrative will be forwarded as soon as received. The company submitted only one map and it could not be reproduced here. We requested additional copies.

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

Month of February, 1958 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $415,250.00 Government Participation: 50 % Amount, $207,625.00

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 Drilling: Pocket		5,187.00	5,187.00		5187.00	5187.00
~~Contracts~~: Sump		3,399.48	3,399.48	4/21/58	3399.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Diamond		7,194.00	7,194.00		7194.00	7194.00
~~Bulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	8,040.00	181,920.00	189,960.00	8040.00	181920.00	189960.00
~~Drifting~~ Raising		23,135.00	23,135.00		23135.00	23135.00
Timbering		1,230.00	1,230.00		1230.00	1230.00
1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
(2) ~~Labor and Supervision~~:		7,500.00	7,500.00		7500.00	7500.00
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		7,020.00	7,020.00		7020.00	7020.00
(7) Miscellaneous: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Repairs to Equipment~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Sampling and Analysis~~ 2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
~~Payroll Taxes~~						
~~Liability Insurance~~						
1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
Totals	8,040.00	371,798.48	379,838.48	8040.00	371,798.48	379838.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 14, 1958 *Payee Day Mines, Inc.
Per Norval K. Bue Title Asst. 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:

$40.20.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 4/21/58 Vou. No. 2147

(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. E484 in accordance with the terms of the contract.

Signature /s/ John A. Bardell Title Metallurgist Date April 17, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date April 21, 1958

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

RECEIVED APR 28 1958

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

Month of February 195 8 Docket No. DMEA 2719 Contract No. Idm-Pl84

Operator's Name Day Mines, Inc. Minerals Lead-Zinc

Address Wallace, Idaho

Stage	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
II	1900 Level Pocket				1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	8,040.00	167.5	189,960.00	3,957.5	48.00	4575.8	$48/ft. 1)
I	Crosscutting Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Raising Shafts				62,600.00	313	200.00	313	$200/ft.
II	Shafts Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Winzes Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	Chnn. Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 Level Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	Stripping Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	Trenching Sumps & Pits				8,586.48	6,456	1.33	6456	$1.33/cu. ft.
II	Test Pits 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	Roads and Trails Timbering				1,230.00	246	5.00	446	$5/ft. 2)
II	2-Compartment Winze				55,125.00	350	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		8,040.00	✓	364,695.48				TOTAL COSTS AUTHORIZED BY CONTRACT
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs				8,123.00				8,123.00
I-II	New Buildings, Improvements, etc.				7,020.00				7,020.00 3)
	TOTAL COSTS		8,040.00	✓	379,838.48				

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 Apr. 14, 1958 Operator Day Mines, Inc.

Per Norval K. Bue Title Asst. 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)

	Authorized Stage I	Authorized Stage II	Authorized Total	Completed Stage I	Completed Stage II	Completed Total
1) Drifting & Crosscutting	3505.8'	1070'	4575.8'	3389'	568.5'	3957.5'
2) Timbering *	246'	200'	446'	246'	0	246'
3) New bldgs., improvements	$1000	$6020	$7020	$1000	$6020	$7020

* Rock bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock bolts $1,000.

/s/ John L. Bardell

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

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN FEBRUARY, 1958

Production of ore subject to DMEA royalty in February totalled 533 tons which assayed:

4.2 oz. silver per ton

9.1 per cent lead

2.3 per cent zinc

Progress of Stage II exploration included:

Item 7. The 1900 level drift southwesterly on the Rambler vein was extended from 198.0 feet to 365.5 feet from the crosscut, an advance of 167.5 feet during February. Enclosed please find a map on the scale of 1" : 250' showing the general position and another on the scale of 1" : 20' showing geological detail for this advance.

Rollin Farmin,
Assistant Manager.

2719

Maps for February.

MF-104.

7

This map should be attached to the February MF-104 for Day Mines, Inc., Idm-E484.

2719

Code 500

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

OFFICIAL BUSINESS

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

Budget Bureau No. 42-R1056.5

RECEIVED MAR 24 1958 D.E.A.

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

Month of January, 1958 Docket No. DMEA 2719 Contract No. 16-1484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 415,250.00 Government Participation: 50 % Amount, $ 207,625.00

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: Pocket		5,187.00	5,187.00	7/21/58 OK	5187.00	5187.00
Sump		3,399.48	3,399.48		3399.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Drilling Diamond		7,194.00	7,194.00		7194.00	7194.00
~~Dulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	6,624.00	175,296.00	181,920.00	6624.00	175296.00	181920.00
~~Drifting~~ Raising		23,135.00	23,135.00		23135.00	23135.00
Timbering		1,230.00	1,230.00		1230.00	1230.00
(2) ~~Labor and Supervision~~ 1600 Level Station		1,200.00	1,200.00		1200.00	1200.00
Labor		7,500.00	7,500.00		7500.00	7500.00
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00		623.00	623.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	1,000.00	6,020.00	7,020.00	1000.00	6020.00	7020.00
(7) Miscellaneous: ~~Repairs to Equipment~~ Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Supplies Consumed~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Payroll Taxes~~ 2-Compartment Winze		55,125.00	55,125.00		55125.00	55125.00
~~Liability Insurance~~						
1900 Level Station		2,340.00	2,340.00		2340.00	2340.00
1900 Level Pocket		1,645.00	1,645.00		1645.00	1645.00
(8) Contingencies (specify):						
TOTALS	7,624.00	364,174.48	371,798.48	7624.00	364174.48	371798.48

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

Date Feb. 28, 1958 Payee Day Mines, Inc.

Per Manual K. Bue Title Asst. 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:

$ 3812.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 3/18/58 Vou. No. 2134

(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. E484 in accordance with the terms of the contract.

Signature /s/ John T. Bardill Title Metallurgist Date March 13, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date March 13, 1958

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

RECEIVED MAR 24 1958 D.M.E.A.

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

Month of January 1958 Docket No. DMEA 2719 Contract No. Idn-1404
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

Stage	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
II	1900 Level Pocket				1,645.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	6,624.00	✓ 138	181,920.00	3,790	48.00	4575.8	$40/ft. 1)
I	Crosscutting Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Raising Shafts				62,600.00	313	200.00	313	$200/ft.
II	Shafts Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Winzes Head Pocket Rse.				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191/ft.
I	Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 Level Station				1,200.00	1,600	.75	1600	$0.75/ft.
I	Stripping Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	Trenching Sumps & Pits				8,588.48	6,456	1.33	6456	$1.33/cu.ft.
II	Test Pits 1900 Station				2,340.00	2,600	.90	2600	$0.90/cu.ft.
I-II	Roads and Trails Timbering				1,230.00	246	5.00	446	$5.00/ft. 2)
II	2 Compartment Winze				55,125.00	350	157.50	350	$157.50/ft.
	Total Distributed Costs		6,624.00	✓	356,655.48				Total Costs Authorized by Contract
	Operating Equipment Purchased								
I	Initial Rehabilitation and Repairs			✓	8,123.00				8,123.00
II	New Buildings, Improvements, etc.		1,000.00	✓	7,020.00				7,020.00 3)
	Total Costs		7,624.00	✓	371,798.48				

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 Feb. 28, 1958 Operator Day Mines, Inc.

Per Norval K. Bue Title Asst. 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)

/s/ John D. Parrill

(For Government use only)

	Authorized: Stage I	Authorized: Stage II	Authorized: Total	Completed: Stage I	Completed: Stage II	Completed: Total
1) Drifting & Crosscutting	3505.8'	1070'	4575.8'	3389'	401' ✓	3790'
2) Timbering *	246'	200'	446'	246'	0	246'
3) New bldgs., improvements **	$1000	$6020	$7020	$1000	$6020	$7020

* Rock bolts in lieu of timber are paid @ $4/bolt. Max. allowable cost for timber and/or Rock bolts $1,000.00

** Completed Contract Item 6 (c) in January, "Install pump, signal system and loading gate", for the new 1900 level.

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

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN JANUARY, 1958

Production of ore subject to DMEA royalty in January totalled 1,149 tons which assayed:

2.4 ounces silver per ton.
4.7 per cent lead.
1.2 per cent zinc.

Progress in Stage II exploration included:

Item 6(c), Install pump, signal system and loading gate for the new 1900 level was completed.

Item 7. The 1900 level drift to the southwest along the Hercules vein was extended from 60.0 feet to 198.0 feet from the crosscut for an advance of 138.0 feet during January. The vein developed by this advance was high in iron content but very low in silver, lead and zinc.

Rollin Farmin,
Assistant Manager.

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

1201 N. Division St.
Spokane 2, Washington

February 5, 1958

2/10	C	220
11	Com	100
"	769	110
2/11	[illegible]	800
2/12	WRS.	500

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines

Subject: Routine inspection report, Docket No. DMEA-2719 (lead-zinc) Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Contract No. Idm-E484 (Amended)

This project was inspected January 29, 1958, accompanied by R. D. Sample, U. S. Geological Survey, Philip Miller, company geologist, and Ralph Thompson, mine foreman.

A 25 HP Layne & Bowler deep well pump had been installed at the 1900 level station and pumps directly from the sump to the 1600 level. A permanent substation, transformers and power cable had been installed. A cage and skip replaced the temporary sinking bucket and crosshead. A hydraulic operated chute gate had also been installed at the mouth of the pocket.

The vein was being drifted on and was approximately 8 feet wide and assayed only a few ounces silver and very little lead but roughly as high as 40 percent iron. The vein material is extremely hard and tough so the drift was turned into the footwall, exposing the vein in one side of the drift. Long holes are drilled into the vein to determine its width and grade of mineralization. Vein material is quite magnetic and can be readily distinguished from the country rock.

Thirty-four sharp tungsten-carbide bits were used to drill a 52-hole round on the shift prior to our inspection. This bit consumption is usual rather than the exception.

A transit survey had been made since the last inspection. Survey measurements were checked and confirmed.

Survey station 1901 was formerly designated as MP-2.
MP-4 is the face of the tail drift.

Sta. 1901 - MP-4	N 17° 11' W	43.51 ft.
Sta. 1901 - Sta. 1902	S 18° 57' E	85.25
Sta. 1901 - Sta. 1903	S 56° 50' W	74.6
Sta. 1903 - face	N 86° W	86.0
		289.36 ft.

Status of the contract at the time of the inspection was:

Date of contract: December 6, 1956 (as amended)
Termination date: December 5, 1958
Amount of contract: Stage I $288,710.00
Stage II 126,540.00
$415,250.00
Amount spent: 356,830.48 (thru November 1957)

	Authorized	Completed
Stage I (includes only items that have not been completed)		
Drifting and/or crosscutting	3505.8 ft.	3389 ft.
Core drilling	2000 ft.	772 ft.
Stage II (includes only items that have not been completed)		
1900 level drifting and/or crosscutting	1000 ft.	289.36 ft.
1900 level, 200 linear feet timbering or 250 rock bolts	200 ft. or 250 bolts	26 bolts

Total DMEA ore mined subject to royalty from July 1954 thru December 1957:

46,447 tons averaging 2.1 oz. Ag/ton, 4.7% Pb, 3.1% Zn

John D. Bardill

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

January 31, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: R. D. Sample, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-2719 (lead-zinc), Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Amended Contract No. Idm-E484

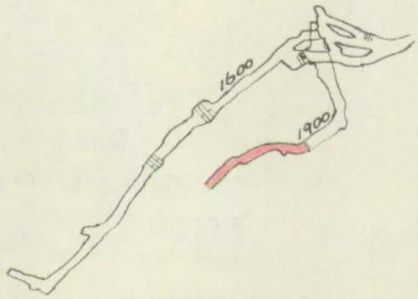
This project was visited and inspected by John D. Bardill, Mining Engineer, U. S. Bureau of Mines, and R. D. Sample, Geologist, U. S. Geological Survey, on January 29, 1958. We were accompanied to the mine by Mr. Miller, geologist with Day Mines, Inc. and were met at the mine by Mr. Ralph C. Thompson, mine foreman. Mr. Miller and Mr. Thompson accompanied us underground to the 1900 level where the DMEA project was inspected.

The Hercules vein was cut about 70 feet south of the shaft on the 1900 level, and drifting westward in and along the vein has advanced about 150 to 160 feet. The vein where cut by the southerly crosscut is from 7 to 10 feet wide and is a very strong iron vein, striking in a general east-west direction and dipping 65°-70° to the south. Magnitite is the predominant mineral with patches of siderite and grunerite, all very hard minerals making the vein difficult to drill. Drilling continued in the vein westward for about 110 feet and the last 40 or 50 feet was in the north or footwall side where drilling is somewhat easier in the argillitic and slaty quartzites of the Prichard formation. Long holes are being put out into both walls at frequent intervals to test for other mineral-bearing structures. To date no significant minerals of commercial value have been found either by drifting or long holing. Two of the long holes through the Hercules vein and into the south or hanging wall show indications of another iron vein running almost parallel to the Hercules vein but there is no showing of mineral in commercial amounts.

The Operator is running two shifts per day with the average advance of about 3 feet per shift while in the hard iron vein, but almost 5 feet per shift after drifting in the footwall.

The iron vein continues to be from 7 to 10 feet wide as drifting proceeds westward and it is hoped that the iron vein will soon show minerals of commercial value as it continues to the west.

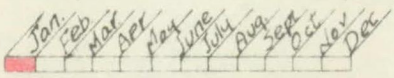
Distribution:
DMEA (Orig. & 3) USBM (AD)
USBM (2) Docket Sample



DAY MINES INC

DMEA 2719 1900 LEVEL

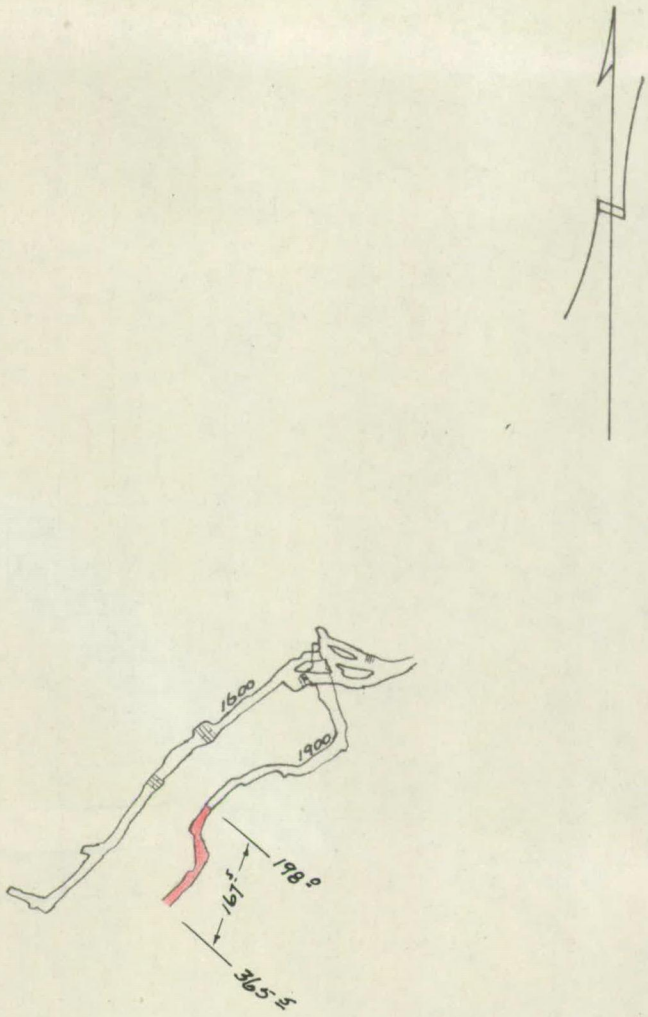
SCALE 1" = 250'



YEAR 1958

EXTRA COPY
D M E A
RECEIVED MAR 24 1958

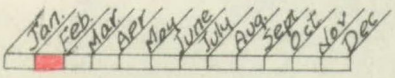
DATE	INITIALS	CODE



DAY MINES INC

DMEA 2719 1900 LEVEL

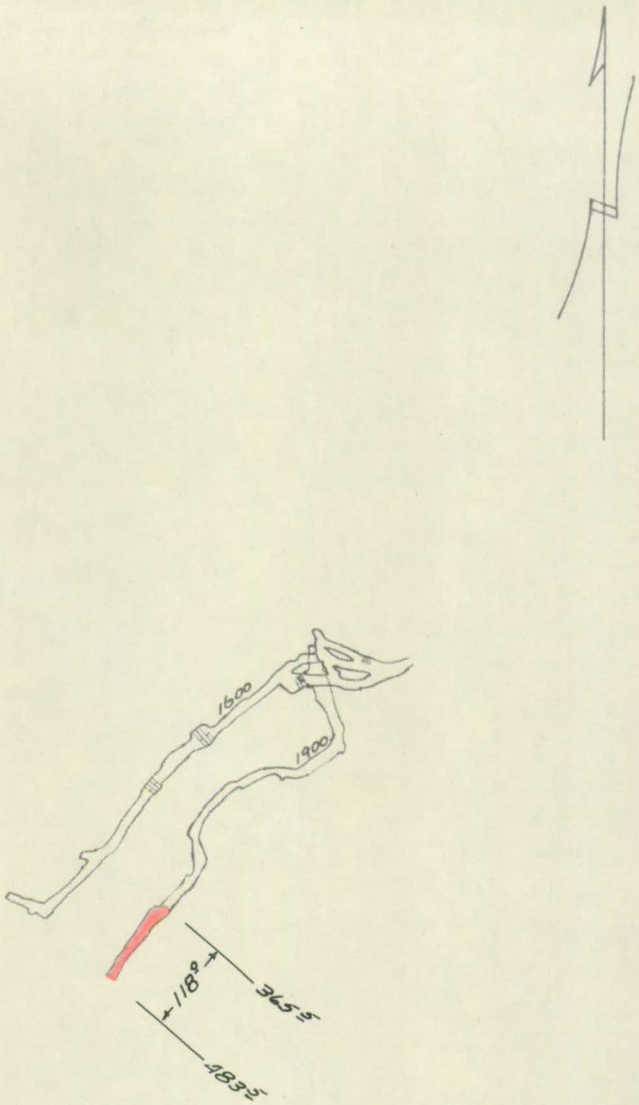
SCALE 1" = 250'



YEAR 1958

EXTRA COPY
D M E A
RECEIVED APR 28 1958

DATE	INITIALS	CODE



DAY MINES INC

DMEA 2719 1900 LEVEL

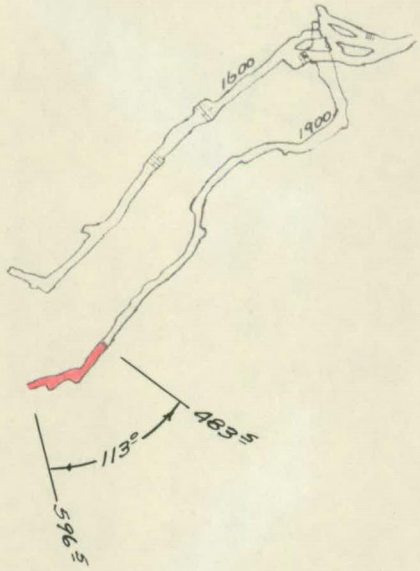
SCALE 1" = 250'

Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

YEAR 1958

EXTRA COPY
DMEA
RECEIVED MAY 19 1958

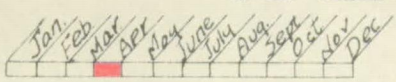
DATE	INITIALS	CODE



DAY MINES INC

DMEA 2719 1900 LEVEL

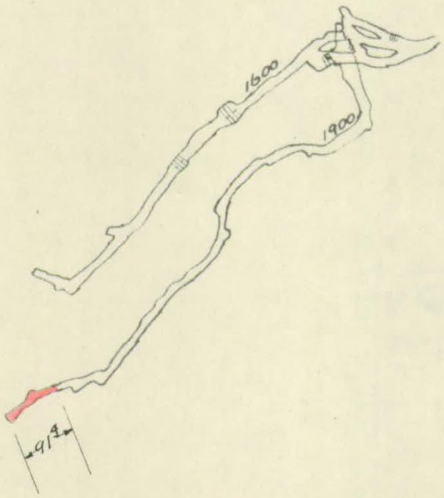
SCALE 1" = 250'



YEAR 1958

OFFICIAL FILE COPY
D M E A
RECEIVED JUN 12 1958

DATE	INITIALS	CODE

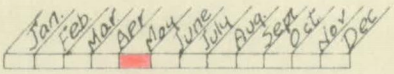


Total advance on 1900 level 825.9 feet

DAY MINES INC

DMEA 2719 1900 LEVEL

SCALE 1" = 250'



YEAR 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 16 1958

DATE	INITIALS	