xxxxxxxxxxxxxxxxxx
1201 N. Division St.
Spokane 2, Washington
June 21, 1956

JUN 28 1956

Day Mines, Inc.
Wallace, Idaho

Re: Docket No. DMEA 2719
Contract No. Idm-E484
Monthly operating report
for April 1956

Gentlemen:

This is to inform you that payment could not be made in the full amount claimed on the subject voucher. The amount disallowed is explained in the attached copy of a memorandum to the Field Team from the Certifying Officer, Region I.

By Field Team, Region I, NW Dist.

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

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

cc: DMEA (2)
USGS (2)

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. USGSP00000374

DMEA Field Team, Region I, NW Dist.

June 21, 1956

Certifying Officer, Region I, NW

Contract Idm-E484, Day Mines, Inc. Monthly operating report for April 1956.

The subject operating report has been processed and forwarded for payment.

A disallowance of $235.00 has been made from the costs claimed for diamond drilling to bring the accepted costs into agreement with those approved by the recent audit report submitted by DMEA Auditor, C. E. Fisher.

Myrtle Purdy

cc: DMEA (2)
USGS (2)

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

Budget Bureau No. 28-R[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED FEB 6 1958 D.M.E.A.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1957 Docket No. DMEA 2719 Contract No. Idm-2484
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	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
~~Bulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting	7,344.00	167,952.00	175,296.00	7344.00	167952.00	175296.00
~~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.		6,020.00	6,020.00		6020.00	6020.00
(7) Miscellaneous:						
~~Rental to Contractors~~ Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Supplies~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Power~~ 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	7,344.00	356,830.48	364,174.48	7344.00	356830.48	364174.48

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

Date Feb. 6, 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:

$ 3672.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 7/13/58 Vou. No. 2118

(See other side)

alt
Betty

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FEB 3 1956

2719

DMEA 2917 - Hercules

Summary of Progress in December, 1955

The Hercules mine remained strikebound through December. There was no progress or production to report.

Rollin Farmin
Assistant General Manager

RF/jab

Pelots

(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/ Stephen W. Jolsok Title Mining Engr. Date 2-11-58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Wiessenborn Title Exec. Officer Date Feb. 12, 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.

u

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DEC 12 1955

Chuggerhard
Betty

DMEA ~~2917~~ 2719 -- Hercules

SUMMARY OF PROGRESS IN OCTOBER, 1955

Day Mines

The Hercules mine remained strikebound throughout the month of October and there is no progress or production report.

Rollin Farmin,
Assistant Manager

BLT

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1957 Docket No. DMEA 2719 Contract No. Ltr-2484
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.	7,344.00	153	175,296.00	3,652	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 ~~Main~~ 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				8,506.48	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		7,344.00		350,031.48				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.				6,020.00				7,020.00 3)
	Total Costs		7,344.00		364,174.48				

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. 6, 1958 Operator Day Mines, Inc.

Per Norman 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'	263'	3652'
2) Timbering *	246'	200'	446'	246'	0	246'
3) New bldgs., improvements	$1000	$6020	$7020	$1000	$5020	$6020

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

/s/ Stephen W. Zwarck, Mining Engr.

Day Mines

RECEIVED
OCT 31 1955

DMEA ~~2717~~ 2719 -- Hercules

SUMMARY OF PROGRESS IN SEPTEMBER, 1955

The Hercules mine remained strikebound throughout the month of September and there is no progress or production to report.

Rollin Farmin,
Assistant Manager

KAE

Reports

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

XXXXXXXXXXXXXXXXXX
1201 N. Division Street
Spokane 2, Washington
April 23, 1956

Day Mines, Inc.
Wallace, Idaho

Re: Docket No. DMEA 2719
Contract No. Idm-E484
Monthly operating report
for August 1955

Gentlemen:

Your attention is directed to the attached copy of a memorandum to the Field Team from the DMEA Certifying Officer which explains a change made in the approved cost of the sump excavation.

By Field Team, Region I, NW District

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

cc: DMEA (2)
USGS (2)
AD

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

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN DECEMBER, 1957

Production of ore subject to DMEA royalty in December totalled 744 tons which assayed:

3.0 ounces silver per ton.

6.6 per cent lead.

1.4 per cent zinc.

Progress in Stage II exploration in December included: 93.0 feet of crosscuts and 60.0 ft. of drifting along vein on the new 1900 ft. level for a total of 153.0 feet of drifts and crosscuts.

The vein developed is high in iron content but low in lead, zinc and silver.

ROLLIN FARMIN
Assistant Manager

DMEA Field Team, Region I, NW District April 23, 1956

DMEA Certifying Officer, Region I

Docket No. DMEA 2719, Contract Idm-2484, Day Mines, Inc.
Monthly operating report for August 1955.

An amount of $1.00 has been added to the approved cost of the sump excavation to correct a mathematical error made when a cost of $3,398.46 was originally approved on the MP-104 for September 1 to October 15, 1953.

Myrtle Purdy

cc: Operator
DMEA (2)
USGS (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

ORIGINAL FILE COPY
DMEA
RECEIVED JAN 20 1958

DATE	NOTES	CODE
1/20	C	
1/20	Copy	220
1/21	WRB	100
		8 in.

January 3, 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 visited December 20, 1957, accompanied by Mr. Wesley Mason, company engineer.

The two-compartment vertical winze had been sunk 353.5 feet below the 1600-foot level sill. The 1900 foot level sill is 301 feet below the track on the 1600 level sill. The winze is timbered with 60 five-foot sets between the two levels and 8 sets below the 1900 level.

The section of the 1900 level station immediately in front of and east of the winze to the drift is 10 ft. high x 12 ft. wide x 12½ ft. long or 1500 cubic feet. Another triangular section north and adjacent measures 13 ft. high x 9½ ft. wide x 10 ft. long or 618 cu.ft. A third section adjoining and north of the second section measures 9 ft. high x 9 ft. long x 6 ft. wide or 485 cu. ft. Total volume of the station is 2,603 cu. ft. Authorized volume for the station is 2,600 cu. ft.

A 7 ft. x 9 ft. pocket, 35 feet long, was cut diagonally upward from a point 30 feet below the 1900 sill from the winze to the 1900 level adjacent to the track. A suitable 7 ft. x 9 ft. grizzly covers the winze.

Temporary pumps were installed in the sump.

The temporary loading gate will be replaced by a pneumatic operated gate.

The substation had been cut but the transformer and cable had not been installed.

The signal system had been installed.

Distance from the winze to the west rail of the track is 16 feet.

ACTION ON [illegible]
[illegible] REPORT
[illegible] 1/20

Referred to:

1. ~~Mr. Mattancort~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files Division
5. ~~Docket Control Mail and Files~~
6. ~~Docket Control Mail and Files~~
7. SOU

Note comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

Survey station MP-1 is located between the rails and directly opposite the north end of the winze timber. Survey station MP-2 is located between the rails 8.3 feet south of MP-1.

The tail drift had been driven 43 feet north of Sta. MP-2. The south drift on the vein had been driven about 99 feet south of Sta. MP-2.

The vein varied from about 1 to 5 feet in width and assayed about 7 ounces silver per ton. Approximately 10 feet from the south face the vein had been cut off by a dike and fault. It appeared as though the vein had been displaced to the west.

The following drift measurements were made:

Sta. MP-1 to MP-2		8.3 ft.
MP-2 to face	N 18° W	43.0 ft.
MP-2 to Pt X	S 18° E	78.0 ft.
Pt X to face	S 5° E	21.0 ft.

Bearings were taken with a Brunton compass and will be corrected when the transit survey is made.

Work is on a two-shift per day basis, 7 days a week.

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: $415,250.00
Amount spent: 345,960.48 (thru October 1957)

Stage I (includes only items that have not been completed)	Authorized	Completed
Drifting and/or crosscutting	3,505.8 ft.	3,389 ft.
Core drilling	2,000 ft.	772 ft.
Stage II (includes only items in progress)		
Sinking 2-compartment winze		
1600 to 1900 level and sump	350 ft.	353.5 ft.
1900 level pocket	35 ft.	35 ft.
1900 level station	2,600 cu. ft.	2,603 cu. ft.
1900 level substation and power cable	1 unit	0
1900 level pump, signal & loading gate	1 unit	signal only
1900 level drifting and/or crosscutting	1,000 ft.	142 ft.
1900 level, 200 linear ft. timbering or 250 rock bolts	200 ft. or) 250 bolts)	24 bolts

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

John D. Bardill

10

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 JAN 27 1958 D.M.E.A. Spokane, Wash.

Month of November, 1957 Docket No. DMEA 2712 Contract No. Idm-2484

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	2,160.00	165,792.00	167,952.00	2160.00	165792.00	167952.00
~~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.		6,020.00	6,020.00		6020.00	6020.00
(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~~ Winze	4,725.00	50,400.00	55,125.00	4725.00	50400.00	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	10,870.00	345,960.48	356,830.48	10870.00	345960.48	356830.48

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

Date Jan. 15, 1958 *Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 5435.00

Signature [signature] (Authorized Certifying Officer)

Date 1/21/58 Vou. No. 2107

(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 L. Bardill Title Metallurgist Date Jan. 17, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Jan. 20, 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-R151.2

RECEIVED JAN 27 1958 D.M.E.A.

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

Month of November 1957 Docket No. DMEA 2712 Contract No. Idr-1804
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	Ft.	1,045.00	35	1,045.00	35	47.00	35	$47/ft.
I-II	Drifting & Crosscutting	Ft.	2,160.00	45	167,952.00	3,499	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 Ra.				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	~~Chips~~ Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 ~~Shaft~~ 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	Cu.ft.	2,340.00	2,600	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	Ft.	4,725.00	30	55,125.00	350	157.50	350	$157.50/ft.
	Total Distributed Costs		10,870.00		342,687.48				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.				6,020.00				7,020.00 3)
	Total Costs		10,870.00		356,830.48				

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 Jan. 15, 1958 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

Remarks:

(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'	110'	3499'
2) Timbering *	246'	200'	446'	246'	0	246'
3) New bldgs., improvements	$1000	$6020	$7020	$1000	$5020	$6020

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

/s/ John L. 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 PRODUCTION AND PROGRESS IN NOVEMBER, 1957.

Production of ore subject to DMEA royalty in November totalled 629 tons which assayed:

2.1 ounces silver per ton
5.0 per cent lead
1.5 per cent zinc

Progress in Stage II exploration in November included:

(1) 30.0 feet of completed, two-compartment winze, advanced from 320 ft. to 350 ft. below the 1600 level.

(2) Pocket raise for 1900 level completed, 35.0 linear ft.

(3) 1900 level station completed, 2600 cu. ft. excavated and timbered.

(4) Crosscutting on 1900 level, 45.0 feet completed.

ROLLIN FARMIN
Assistant Manager

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

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 16 1957

DATE	INITIALS	CODE
12/16	C	220
/a	Com	100
12/18	Jwa	500

November 24, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: D. R. MacLaren and R. D. Sample, Geologists, 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 and winze site was visited and inspected by the writers on November 21, 1957 accompanied by Ralph C. Thompson, mine foreman, who pointed out and explained pertinent features of the mine and winze. The geology and structural features on the 1600 level were reviewed and noted.

The two-compartment vertical winze has now been completed from the 1600 level to the 1900 level, and the 1900 level station is now being excavated. As soon as the necessary equipment can be installed on the 1900 level, crosscutting southward to cut the Rambler vein will begin. It is believed that a very short crosscut will reach the projected position of the Rambler vein on the 1900 level.

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

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

Budget Bureau No. 42-R1036.5

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

RECEIVED DEC 9 1957 D.M.E.A.

Month of October, 1957 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	7/21/58	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
Bulldozing: Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting		165,792.00	165,792.00		165792.00	165792.00
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.		6,020.00	6,020.00		6020.00	6020.00
(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
Payroll Taxes: Winze	11,812.50	38,587.50	50,400.00	11,812.50	38587.50	50400.00
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	11,812.50	334,147.98	345,960.48	11,812.50	334,147.98	345,960.48

Betty

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

Date Nov. 30, 1957 *Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 5906.25

Signature [signature] (Authorized Certifying Officer)

Date 12/5/57 Vou. No. 2082

(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 L. Bardill Title Metallurgist Date Dec. 3, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Dec. 3, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED DEC 9 1957 D.M.E.A.

Month of October 1957 Docket No. DMEA 2719 Contract No. Idm-R484
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
I-II	~~Drifting~~ & Crosscutting				165,792.00	3,454	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 Raise				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 ~~Auger~~ 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							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	ft.	11,812.50	75	50,400.00	320	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		11,812.50		331,817.48				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.				6,020.00				7,020.00 3)
	TOTAL COSTS		11,812.50		345,960.48				

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 Nov. 29, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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~~						
1) Drifting & Crosscutting	3505.8	1070'	4575.8'	3389'	65'	3454'
2) Timbering *	246'	200'	446'	246'	0	246'
3) New bldgs., Improvements	$1000	$6020	$7020	$1000	$5020	$6020

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

/s/ John D. Lardill

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 27[illegible] - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN OCTOBER, 1957

Production of ore subject to DMEA royalty in October, 1957, totalled 1,203 tons which assayed:

3.3 ounces silver per ton

6.[illegible] per cent lead

1.8 per cent zinc

Progress of Stage II exploration in October was 75.0 feet of completed, two-compartment winze, from 245 feet to 32[illegible] feet below the 1600 level.

Rollin Farmin - Assistant Manager

DEPARTMENT OF INTERIOR
DMEA
RECEIVED
DATE
12/9 gb 220
110
500

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

Budget Bureau No. 42-R1036.5

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

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

Month of September, 1957 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	5187.00	5187.00
~~Contract~~ 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		165,792.00	165,792.00		165792.00	165792.00
~~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.		6,020.00	6,020.00		6020.00	6020.00
(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~~ ~~Payroll Taxes~~ Winze	9,450.00	29,137.50	38,587.50	9450.00	29137.50	38587.50
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	9,450.00	324,697.98	334,147.98	9450.00	324697.98	334147.98

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

Date Nov. 7, 1957 *Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 4725.00

Signature [signature] (Authorized Certifying Officer)

Date 11/14/57 Vou. No. 2070

(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/ Stephen W. Joldok Title Mining Engr. Date 11-12-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Nov. 13, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1957 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
I-II	Drifting & Crosscutting				165,792.00	3,454	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	~~Winze~~ Head Pocket Raise				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	~~Chum~~ Core				2,702.00	772	3.50	2000	$3.50/ft.
II	1600 ~~Lgr~~ 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							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	ft.	9,450.00	60	38,587.50	245	157.50	350	$157.50/ft.
	Total Distributed Costs		9,450.00		320,004.98				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.				6,020.00				7,020.00 3)
	Total Costs		9,450.00		334,147.98				

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 Nov. 7, 1957 Operator Day Mines, Inc.

Per RWA Title Treasurer

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)

Remarks:

(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'	65'	3454'
2)	Timbering *	246'	200'	446'	246'	0	246'
3)	New bldgs., Improvements	$1000	$6020	$7020	$1000	$5020	$6020

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

11-12-57
/s/ Stephen W. Zolsok, Mining Engr.

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 SEPTEMBER, 1957

Production of ore subject to DMEA royalty in September, 1957, totalled 746 tons which assayed:

2.9 ounces of silver per ton

6.9 per cent lead

3.6 per cent zinc

Progress of Stage II exploration in September was 60.0 feet of completed, two-compartment winze, from 185 feet to 245 feet below the 1600 level.

Rollin Farmin - Assistant Manager

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

Budget Bureau No. 42-R1036.5

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

Month of August, 1957 Docket No. DMEA 2719 Contract No. Idm-404
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
Contract Sump		3,399.48	3,399.48	11/14/57	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		165,792.00	165,792.00		165792.00	165792.00
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		6,020.00	6,020.00		6020.00	6020.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
Repairs to Equipment						
Lead Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
Sampling and Analysis						
Payroll Taxes: Winze	10,237.50	18,900.00	29,137.50	10237.50	18900.00	29137.50
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	10,237.50	314,460.48	324,697.98	10,237.50	314460.48	324,697.98

Alt Betty

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 10, 1957 *Payee Day Mines, Inc.
Per [signature] Title Treasurer

*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:

$ 5718.75

Signature [signature]
(Authorized Certifying Officer)

Date 10/11/57 Vou. No. 2058

(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 L. Bardill Title Metallurgist Date Oct. 14, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ W. E. Weissenborn Title Exec. Officer Date Oct. 15, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1957 Docket No. DMEA 2719 Contract No. Idm-E464

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
I-II	Drifting & Crosscutting				165,792.00	3,454	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	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							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	ft.	10,237.50	65	29,137.50	185	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		10,237.50		310,554.98				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.				6,020.00				7,020.00 3)
	TOTAL COSTS		10,237.50		324,697.98				

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 Oct. 10, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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'	65'	3454'
2) Timbering*	246'	200'	446'	246'	0	246'
3) New bldgs., Improvements	$1000	$6020	$7020	$1000	$5020	$6020

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

/s/ John D. Lardill

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 AUGUST, 1957

Production of ore subject to DMEA royalty in August, 1957, totalled 1,148 tons which assayed:

4.6 ounces silver per ton

10.8 per cent lead

3.2 per cent zinc

Progress of Stage II exploration in August was 65 feet of completed two-compartment winze, from 120 ft. to 185 ft. below the 1600 level.

Rollin Farmin - Assistant Manager

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 OCT 14 1957

10/18/57

Month of July, 1957 Docket No. DMEA 2719 Contract No. Idm-E1484

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 Contracts Short Form Drilling: Pocket		5,187.00	5,187.00	10/2/57 JWA	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
~~Bulldozing~~ Shaft		62,600.00	62,600.00	11/4/57 JWA	62600.00	62600.00
Crosscutting & Drifting		165,792.00	165,792.00		165792.00	165792.00
~~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		6,020.00	6,020.00			
(6) New Bldgs., Improvements, etc.					6020.00	6020.00
(7) Miscellaneous: ~~Repairs to Equipment~~ Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
~~Sampling and Analysis~~ Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
~~Payroll Taxes~~ Winze	8,662.50	10,237.50	18,900.00	8,662.50	10237.50	18900.00
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	8,662.50	305,797.98	314,460.48	8662.50	305797.98	314,460.48

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

Date Sept. 23, 1957 Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:
4331.25

$ 4331.25

Signature Dorothy F. Reay
(Authorized Certifying Officer)

Date 10/7/57 Vou. No. 2048

(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 D. Bardell Title Metallurgist Date Sept. 25, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ W. E. Weissenborn Title Elec. Mecer Date Oct. 7, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED OCT 14 1957 DMEA

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1957 Docket No. DMEA 2719 Contract No. Dm-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
I-II	Drifting & Crosscutting				165,792.00	3,454	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 ~~Raise~~ 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~~ Sump & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	~~Test Pits~~ 1900 Station							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	Ft.	8,662.50	55	18,900.00	120	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		8,662.50		300,317.48				TOTAL COSTS AUTHORIZED BY CONTRACT
I	Operating Equipment Purchased				8,123.00				8,123.00
I-II	Initial Rehabilitation and Repairs				6,020.00				7,020.00 3)
	New Buildings, Improvements, etc.								
	TOTAL COSTS		8,662.50		314,460.48				

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 September 23, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

REMARKS:

(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'	65'	3454'
2)	Timbering *	246'	200'	446'	246'	0	246'
3)	New bldgs., Improvements	$1,000	$6,020	$7,020	$1,000	$5020	$6020

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

/s/ John T. Gardiel

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 JULY, 1957

Production of ore subject to DMEA royalty in July, 1957, totalled 1,770 tons which assayed:

3.6 ounces silver per ton

7.5 per cent lead

4.1 per cent zinc

Progress on State II exploration in July was 55.0 feet of completed two compartment winze, from 65.0 ft. to 120.0 ft. below the 1600 level.

Rollin Farmin, Assistant Manager.

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957

DATE	INITIALS	CODE
10/7	B	220
4	Corr	100
10/11	Jwe	500
10/16		

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

September 19, 1957

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 and the winze site was visited on September 7, 1957 by R. D. Sample, U. S. Geological Survey accompanied by Sui Ju Kung, Mining Engineer, with the Taiwan Metal Mining Corporation, Chin-Qua-Shih, Keelung, Taiwan (Formosa). Mr. Kung is a guest engineer of the United States Government who is inspecting mining methods in western U.S.A.

Mr. Ralph C. Thompson, mine foreman, was contacted at the mine and was very helpful in explaining the mining methods at the Hercules mine to Mr. Kung.

The two-compartment vertical winze which is being sunk between the 1600 level and 1900 level is down about 150 feet. All the raises above the 1600 level for operation purposes have been completed and the head pocket installed. Timbering in the raises is completed and timbering of the winze continues satisfactorily. Sinking of the winze continues on a three shift basis for five days per week. The average rate of progress is about 5 feet per day.

A short visit to the mill was made and the procedure was explained to the examiners. About 200 tons of lead, zinc, and silver ore is being processed per day.

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

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 10/7/57

Referred to:

1. ~~Mr. Mitchelson~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5.
6. Docket Control Mails and Files Division
7. 500

Note comments in report regarding:

1.

Remove letter

2.

duplication of work.

3. GN. more on this property

4. m 9/7/59

and take appropriate action.

= = = = = = = =

Action taken by Division:

Robert E. Adams gh

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957

DATE	FORMAT	CODE
10/7	B	220
9	Com	100
10/11	Jwr	500

September 18, 1957

10/13

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 September 12, accompanied by Mr. W. Mason, company engineer.

The two-compartment vertical winze had been sunk about 221 feet below the 1600 level sill of which 205 feet was timbered with 41 sets. At the 1750 level a small station about 8x8x13 feet had been cut at company expense on the east side of the winze. Four oil drums connected together served as a sump on the 1750 level. An IR#35 sump pump pumped from the winze bottom to the 1750 level where another pump pumped to the 1600 level drainage ditch.

Sinking is on a 3-shift per day basis, 5 days per week.

Status of the contract is as follows:

Date of contract: December 6, 1956 (as amended)
Termination date: December 5, 1958
Amount of contract: $415,250.00
Amount spent: 305,797.98 (thru June 1957)

	Authorized	Completed as of Sept. 12
Stage I		
All items the same as reported on 7/22/57		
Stage II		
All items the same as reported on 7/22/57 except:		
Sinking 2-compartment winze, 1600 to 1900 level	350 ft.	221 ft.

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

John D. Bardill

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1957

DATE	INITIALS	CODE
19	Com	100
8/20	Jwa	500

July 22, 1957

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 July 12, accompanied by Mr. Mason, Hercules mine superintendent.

The raise above the 1600 level, or "winze head," had been completed to a height of about 75 feet. The 1600 level raise for a head pocket had been completed to a height in excess of the 50 allowable feet, timbered, chute and chute gate installed.

A single drum, 100 hp electric hoist with 7/8" cable had been installed. A 25 hp suction fan and 10" vent pipe were installed near the junction of the drift to the new winze and the turnout to the 1600 level pocket. A substation had been cut and transformers installed with appropriate power cable, switches, etc.

The two-compartment vertical winze had been sunk about 102 feet below the 1600 level sill and timbered with 18 - 5 ft. sets. Approximate rock cross section of the winze is about 12 feet by 8 feet. Each compartment is 4 feet by 3 feet-8 inches inside the timbers. Two-inch water, 4-inch air and discharge pipes, and 10-inch vent pipe service the winze.

Sinking is on a 2-shift per day basis.

Status of the contract is:

Date of contract: December 6, 1956 (as amended)
Termination date: December 5, 1958
Amount of contract: $415,250.00
Amount spent: 301,072.98 (thru May 1957)

	Authorized	Completed as of July 12
Stage I (includes only items that have not been completed)		
Drifting and/or crosscutting	3,505.8 ft.	3,389 ft.
Core drilling	2,000 ft.	772 ft.
Stage II (includes only items in progress)		
Station drift, 1600 level	70 ft.	65 ft. (final measurement)
Station enlarging, 1600 level	1,600 ft.	1,600 ft.
Rock bolts, 1600 level	50	20 (subject to final measurement)
Install hoist and ventilation	1 unit	1 unit
1600 level, pocket raise	50 ft.	50 ft.
1600 level, head raise	75 ft.	75 ft.
Sinking 2-compartment winze, 1600 to 1900 level	350 ft.	102 ft.
1900 level pocket	35 ft.	0 ft.
1900 level station,	2600 cu. ft.	0
1900 level substation and power cable	1 unit	0
1900 level pump, signal, and loading gate	1 unit	0
1900 level drifting and/or crosscutting	1,000 ft.	0
1900 level, 200 linear feet timbering or 250 rock bolts	200 ft. or 250 bolts	0

John D. Bardill

John D. Bardill

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

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 June, 1957 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 Contracts: Pocket		5,187.00	5,187.00	8/26/57	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
Bulldozing Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting & Drifting		165,792.00	165,792.00		165792.00	165792.00
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:					8/21/57 J.W.L.	
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.		6,020.00	6,020.00		6020.00	6020.00
(7) Miscellaneous:						
Repairs to Equipment: Shaft Head Raise		5,550.00	5,550.00		5550.00	5550.00
Sampling and Analyses: Head Pocket Raise		2,100.00	2,100.00		2100.00	2100.00
Payroll Taxes: Winze	4,725.00	5,512.50	10,237.50	4725.00	5512.50	10237.50
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,725.00	301,072.98	305,797.98	4725.00	301072.98	305797.98

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

Date August 6, 1957 Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 2362.50

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 8/15/57 Vou. No. 2020

(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. Dardell Title Metallurgist Date Aug. 9, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec Officer Date Aug. 9, 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED AUG 19 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1957 Docket No. DMEA 2719 Contract No. ~~Ion-E484~~

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

Address Wallace, Idaho

	OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
I-II	Stage Drifting & Crosscutting				165,792.00	3,454	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 ~~Auger~~ 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~~ Sump & Pits				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	~~Test Pits~~ 1900 Station							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	Ft.	4,725.00	30	10,237.50	65	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		4,725.00		291,654.98				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.				6,020.00				7,020.00 3)
	TOTAL COSTS		4,725.00		305,797.98				

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 August 6, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

→ 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'	65'	3454'
2)	Timbering*	246'	200'	446'	246'	0	246'
3)	New bldgs., Improvements	$1,000	$6020	$7020	$1000	$5020	$6020

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

/s/ John A. Sardell

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 JUNE, 1957

Production of ore subject to DMEA royalty in June, 1957, totalled 3,347 tons which assayed:

2.57 ounces silver per ton
6.10 per cent lead
1.93 per cent zinc

Progress in Stage II exploration in June was 30.0 feet of completed two-compartment winze (Item 4).

Rollin Farmin - Assistant Manager

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 May, 1957 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 Contracts: Pocket		5,187.00	5,187.00		5187.00	5187.00
Sump		3,399.48	3,399.48	8/14/57	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		165,792.00	165,792.00		165792.00	165792.00
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.	5,020.00	1,000.00	6,020.00	5020.00	1000.00	6020.00
(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
Payroll Taxes Winze	5,512.50		5,512.50	5512.50		5512.50
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	10,532.50	290,540.48	301,072.98	10532.50	290540.48	301072.98

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

Klug
Betty
7/31/57 J.W.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 8, 1957 *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:

$5266.25

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 7/19/57 Vou. No. 2007
(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. Gardill Title Metallurgist Date 7-15-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Wing L. Agnew Title Acting Exec. Date 7-17-57

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 N

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1957 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
I-II	Drifting & Crosscutting				165,792.00	3,454	48.00	4575.8	$48/ft. 1)
I	Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Shafts				62,600.00	313	200.00	313	$200/ft.
II	Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Pocket Raise				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191
I	Core				2,702.00	772	3.50	2000	$350/ft.
II	1600 Level Station				1,200.00	1,600	.75	1600	$0.75/ft
I	Station				4,030.00	6,200	.65	6200	$0.65/ft.
I	Sump & Pockets				8,586.48	6,456	1.33	6456	$1.33/cu.ft.
II	1900 Station							2600	$0.90/cu.ft.
I-II	Timbering				1,230.00	246	5.00	446	$5/ft. 2)
II	2 Compartment Winze	ft.	5,512.50	35	5,512.50	35	157.50	350	$157.50/ft.
	TOTAL DISTRIBUTED COSTS		5,512.50	35	286,929.98				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.		5,020.00		6,020.00				7,020.00 3)
	TOTAL COSTS		10,532.50		301,072.98				

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

Date July 8, 1957 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.

REMARKS:

(Instructions on reverse)

/s/ John D. Dardell

(For Government use only)

Item	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'	65'	3454'
2) Timbering*	246'	200'	446'	246'	0	246'
3) New bldgs., Improvements**	$1000	$6020	$7020	$1000	$5020	$6020

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

** New bldgs., Improvements Stage II: Hoist & ventilation system, 1.(d) $1,000; Substation and power cable, 6.(b) $4,020.

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

LMSA 2719 Hercules

Summary of Production and Progress in May 1957

Production of ore subject to LMSA royalty in May, 1957, totalled 1,807 tons which assayed:

1.79 ounces silver per ton
4.83 per cent lead
2.39 per cent zinc

Progress in Stage II exploration in April and May was 33.0 ft. of completed two compartment winze (Item 4). The hoist and ventilation system were installed (Item 1(d)). The substation and power cable were installed (Item 6 (b)).

Rollin Farmin
Assistant Manager

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DATE | | CODE

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

Budget Bureau No. 42-R1036.5

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

Month of April, 1957 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 Contracts: Pocket		5,187.00	5,187.00			7/17/57 J.W.L.
Sump		3,399.48	3,399.48			
Station		4,030.00	4,030.00	8/14/57		
Drilling Diamond		7,194.00	7,194.00			
Bulldozing Shaft		62,600.00	62,600.00			
Crosscutting		165,792.00	165,792.00			
Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
1600 Level Station		1,200.00	1,200.00			
(2) Labor and Supervision:						
Labor		7,500.00	7,500.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		623.00	623.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Shaft Head Raise		5,550.00	5,550.00			
Head Pocket Raise		2,100.00	2,100.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS		290,540.48	290,540.48			

Memo only

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

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

Date June 6, 1957 *Payee Day Mines, Inc.

Per [signature] Title Treasurer

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

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

(Instructions on reverse)

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

$ —0—

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date ..... Vou. No. .....

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUN 24 1957 DMEA

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1957 Docket No. DMEA 2719 Contract No. Idm-F484
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
I-II	Drifting & Crosscutting				165,792.00	3,454	48.00	4575.8	$48/ft. 1)
I	Raising				23,135.00	330.5	70.00	330.5	$70/ft.
I	Shafts				62,600.00	313	200.00	313	$200/ft.
II	Head Raise				5,550.00	75	74.00	75	$74/ft.
II	Pocket Raise				2,100.00	50	42.00	50	$42/ft.
I	Drilling: Core				4,492.00	1,361.5	3.30	1361.5	$3.47191
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.
II	Station				4,030.00	6,200	.65	6200	$0.65/ft.
II	Sump & Pockets				3,399.48	6,456	1.33	6456	$1.33/cu.ft.
II	1900 Station							2600	$0.90/cu.ft.
I-II	Timbering				1,230.00	246	5.00	446	$5/ft. 2)
	Total Distributed Costs				281,417.48				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.				1,000.00				7,020.00 3)
	Total Costs				290,540.48				

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 June 6, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

Item	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	65	3454
2) Timbering*	246'	200'	446'	246'	0	246'
3) New bldgs., Improvements	$1000	$6020	$7020	$1000	0	$1000

* 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

D M E A 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN APRIL, 1957

Production of ore subject to DMEA royalty in April, 1957, was 1,893 tons which assayed:

2.18 ounces silver per ton
4.73 per cent lead
2.74 per cent zinc

A considerable portion of the preliminary work and installation of machinery has been accomplished for the Stage II exploration project. Since some work remains in these categories none will be reported until all have been completed.

Rollin Farmin - Assistant Manager

EXTRA COPY
DMEA
RECEIVED MAY 24 1957
DATE | INITIALS | CODE

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 27 1957

DATE	INITIALS	CODE
5/27	C	220
5/29	Com	100
5/29	act	500

May 8, 1957

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Verne C. Fryklund, Jr., 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

I visited the winze site when I was at the Hercules mine, May 1, 1957.

All preparatory rock work, pocket, raise, etc., needed for sinking has been completed. Concrete was being poured for the base of the winze hoist. The winze itself is about two sets deep.

I don't know when they expect to have the hoist installation completed.

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

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

alt Klug.

Month of ~~[illegible]~~ March, 1957 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 Contracts: Short Form: Pocket Sump Station Diamond Shaft		5,187.00	5,187.00		5187.00	5187.00
		3,399.48	3,399.48		3399.48	3399.48
		4,030.00	4,030.00		4030.00	4030.00
		7,194.00	7,194.00		7194.00	7194.00
		62,600.00	62,600.00		62600.00	62600.00
Drilling						
Bulldozing						
Crosscutting		165,792.00	165,792.00		165792.00	165792.00
~~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:						5/16/57 J.W.G.
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	1,000.00		1000.00	1000.00
(7) ~~Miscellaneous~~ Shaft Head Raise	5,550.00		5,550.00	5550.00	-0-	5550.00
~~Repairs or Replacement~~ Head Pocket Raise	2,100.00		2,100.00	2,100.00	-0-	2100.00
~~Sampling and Assays~~						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	7,650.00	282,890.48	290,540.48	7650.00	282890.48	290540.48

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

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

Date April 29, 1957 *Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 3825.00

Signature Dorothy F. Lang
(Authorized Certifying Officer)

Date 5/6/57 Vou. No. 1975

(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/ Eric L. Erickson Title Mining Engineer Date 5/2/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date 5/3/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1957 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
* Drifting & Crosscutting	Ft.			165,792.00	3,454	48.00		
~~Crosscutting~~ Raising				23,135.00	330.5	70.00		
~~Raising~~ Shafts				62,600.00	313	200.00		
~~Shaft~~ Head Raise	Ft.	5,550.00	75	5,550.00	75	74.00		
~~Head~~ Pocket Raise	Ft.	2,100.00	50	2,100.00	50	42.00		
Drilling: Core				4,492.00	1,361.5	3.30		
Churn				2,702.00	772	3.50		
1600 Level Station				1,200.00	1,600	.75		
~~Stripping~~ Pocket				5,187.00	3,900	1.33		
~~Trenching~~ Station				4,030.00	6,200	.65		
~~Test Pits~~ Sump				3,399.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		7,650.00		281,417.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		7,650.00		290,540.48				

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.

REMARKS:

Date April 29, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

* Drifting	65 ft.	@ 48.00	3,120.00
Crosscutting	3,389 ft.	@ 48.00	162,672.00
	3,454 ft.		165,792.00

/s/ Eric G. Erickson

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

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 -- HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN MARCH, 1957

Production of ore subject to DMEA royalty in March was 1,562 tons which assayed:

4.31 ounces silver per ton.
9.72 per cent lead.
2.30 per cent zinc.

Stage II exploration progress in March is reported as follows:

Item 2. the shaft head raise was completed, exceeding the allowable 75 feet of two-compartment raise.

Item 3. the head pocket raise was completed, exceeding the allowable 50 feet of raise of 7 ft. by 6 ft. minimum cross-section.

The accompanying maps show the advance reported above.

Rollin Farmin - Assistant Manager

EXTRA COPY
DMEA
RECEIVED MAY 10 1957
DATE | INITIALS | CODE

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

Budget Bureau No. 42-R1036.5

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

Month of February, 1957 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 Contracts: Pocket		5,187.00	5,187.00		5187.00	5187.00
Sump (Audit)		3,399.48	3,399.48		3399.48	3399.48
Drilling: Station	1,200.00	4,030.00	5,230.00		4030.00	4030.00
Bulldozing: Diamond		7,194.00	7,194.00		7194.00	7194.00
Crosscutting: Shaft		62,600.00	62,600.00		62600.00	62600.00
Drifting:	1,252.80	164,539.20	165,792.00	1252.80	164539.20	165792.00
Raising		23,135.00	23,135.00		23135.00	23135.00
Timbering		1,230.00	1,230.00		1230.00	1230.00
1600 Hoist-Station				1200.00	-0-	1200.00
(2) Labor and Supervision:						
Labor					7500.00	7500.00
Supervision						
Technical Services						5/7/57 J.W.A.
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation					623.00	623.00
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		-0-	-0-
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1,000.00	1,000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,452.80	280,437.68	282,890.48	2452.80	280,437.68	282,890.48

RECEIVED APR 15 1957 D.M.E.A.

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

Date March 28, 1957 Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 1226.40

Signature [signature] (Authorized Certifying Officer)

Date 4/11/57 Vou. No. 1964

(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/ Eric L. Erickson Title Mining Engineer Date 4/1/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Wing G. Agnew Title Acting Exec. Date 4/9/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1957 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	~~1,252.00~~	26.1	~~165,792.00~~	3,454	48.00	3578.8	48.00
Raising				23,135.00	330.5	70.00	330.5	70.00
Shafts				62,600.00	313	200.00	313	200.00
Winzes								
Drilling: Core				4,492.00	1,361.5	3.30	1361.5	3.30
Churn				2,702.00	772	3.50	2000	3.50
1600 Level-Station Auger	cu. ft.	1,200.00	1600	1,200.00	1600	.75	1600	.75 cu ft
Stripping Pocket				5,187.00	3,900	1.33	3900	1.33 cu ft
Trenching Station	Cu. Ft.	~~1,200.00~~	~~1,600~~	4030 ~~5,230.00~~	~~7,800~~ 6200	.67	6200	.65 cu ft
Test Pits Sump				3,399.48	2,556	1.33	2556	1.33 cu ft
Roads and Trails								
Timbering				1,230.00	246	5.00	246	5.00 ft.
TOTAL DISTRIBUTED COSTS		2,452.80		273,767.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		2,452.80		282,890.48				

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.

REMARKS:

Date March 28, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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

(Instructions on reverse)

(For Government use only)

/s/ Eric G. Ericson, Mining Engineer

RECEIVED APR 15 1957 D.M.E.A.

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION AND PROGRESS IN FEBRUARY, 1957

Production of ore subject to DMEA royalty in February was 2,124 tons which assayed:

4.29 ounces silver per ton
9.23 per cent lead
3.22 per cent zinc

An eight-hundred-ton increase in storage of broken ore in the transportation system developed during February and thus the above reported production is considerably greater than the tonnage actually milled in the calendar month, but this situation will be offset in future months when the storage is reduced.

Stage II exploration progress in February is reported as follows:

Item 1(a), the 1600 station pilot drift was completed with an advance of 26.1 ft. to a total of 65.0 ft.

Item 1(b), excavation of a 1600 level station, was completed with the excavation of 1600 cubic feet of ground.

The accompanying maps show that work started on the pocket raise and on the head raise of the winze; these advances will not be reported until next month when the items will be completed.

EXTRA COPY
DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE

Rollin Varmin - Assistant Manager.

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

1201 N. Division St.
Spokane 2, Washington

March 11, 1957 3/28

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957

DATE	INITIALS	CODE
3/23	C	221
25	Com	100
3/26	JWA	

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The exploration project site was inspected March 7. I was accompanied by Dewey Sample, geologist, U. S. Geological Survey, and Mr. Mason, company engineer in charge of the exploration project.

The raise above the 1600 level for the "winze head" with ground dimensions slightly over 7½'x11½' had been advanced 48 feet. The sill set is 15 feet, and 6 sets with 5-ft. centers had been placed above the sill set. The completed winze head will be about 5 feet higher than the 70 feet allowed by the contract.

The 1600 level winze pocket had been raised 40 feet without timber. The rock dimension averages slightly over 7'x6'. The completed pocket raise is expected to be about 50 feet, which is allowed for by the contract for Government participation. Most of the rock from the pocket raise was processed at the mill.

The 1600 level station drift had been completed and the 1600 cubic feet of station excavation allowed by the contract had been exceeded by 569 cubic feet. Preparation for the hoist foundation was in progress and the Operator expects to have the sinking on a cycle early in April.

The Operator is paying royalties currently on production from DMEA royalty lien areas.

The status of the contract is given on the attached sheet.

E. G. Erickson
E. G. Erickson

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

Contract No. Idm-E484 (Amended)

Date of contract: December 6, 1956
Termination date: December 5, 1958
Amount of contract: $415,250.00
Amount spent: 280,437.68 (thru Jan. 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 in progress)			
Station drift, 1600 level	70 ft.	70 ft.	1/
Station enlarging	1600 cu. ft.	1600 cu. ft.	
Winze head raise	75 ft.	48 ft.	
Pocket raise, 1600 level	50 ft.	40 ft.	
Rock bolts	50	20	1/

1/ Subject to final measurement.

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 22 1957
DATE | INITIALS | CODE

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

Budget Bureau No. 42-R1036.5

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

Month of January, 1957 Docket No. DMEA 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, $

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		5187.00	5187.00
Sump	(Audit)	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	1,867.20	162,672.00	164,539.20	1867.20	162672.00	164,539.20
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:						
Labor					7500.00	7500.00
Supervision						
Technical Services						3/25/57 - J. W. A.
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation					623.00	623.00
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		-0-	-0-
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1000.00	1000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
	✓					
TOTALS	1,867.20	278,570.48	280,437.68	1867.20	278,570.48	280,437.68

RECEIVED MAR 13 1957 D.M.E.A.

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

Date March 11, 1957 Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 933.60

Signature [signature] (Authorized Certifying Officer)

Date 3/14/57 Vou. No. 1951

(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/ Eric H. Erickson Title Mining Engineer Date 3/12/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Executive Officer Date 3/13/57

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 MAR 13 1957 D.M.E.A.

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

Month of January 1957 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	1,867.20	38.9	164,539.20	3,427.9	48.00		
Raising				23,135.00	330.5	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,492.00	1,361.5	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,399.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		1,867.20	38.9	271,314.68				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		1,867.20		280,437.68				

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 March 11, 1957 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

1s/ Eric G. Erickson, Mining Engineer

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, 1957

Production of ore subject to DMEA royalty in January was 2,179 tons which assayed:

2.19 ounces silver per ton
4.39 per cent lead
6.30 per cent zinc

Work started in January on Stage II of the project, authorized by the amendment of December 6, 1956. The Pilot Drift (item 1.(a)), was started and advanced 38.9 feet.

Rollin Farmin - Assistant Manager

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

Budget Bureau No. 43-R036.5

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

Month of December, 1956 Docket No. DMEA 2719 Contract No. IC-104

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

Address Wallace, Idaho

Contract Amount, $ 415,250.00 Government Participation: 50 % Amount, $

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	(Audit)	5,107.00	5,107.00			2/19/57 J.W.U.
Station		3,399.48	3,399.48			
Diamond		4,030.00	4,030.00			
Drilling		7,192.00	7,192.00			
Bulldozing Draft		62,600.00	62,600.00			
Crosscutting		162,672.00	162,672.00			
Drifting Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS		276,576.48	276,576.48			

RECEIVED FEB 15 1957 D.M.E.A.

Please carry no payment

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

Date Jan. 29, 1956 Payee Bay Mines, Inc.

Per [signature] Title Treasurer

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

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

(Instructions on reverse)

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

$ —0—

Signature MAP
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED FEB 15 1957 D.M.E.A.

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

Month of December 1956 Docket No. DMEA 2719 Contract No. [illegible]
Operator's Name Ray Mines, Inc. Minerals Lead-Zinc
Address Kellogg, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting				162,620.00	3,300	49.00		
Raising				23,135.00	330	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,462.00	1,261	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Stoping				4,023.00	6,200	.65		
Test Pits Sump				3,322.66	2,496	1.33		
Roads and Trails								
Maintenance				1,220.00	246	5.00		
Total Distributed Costs				269,447.66				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
Total Costs				278,570.66				

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 Jan. 29, 1957 Operator Ray Mines, Inc.

Per [signature] Title Treasurer

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

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

EXTRA COPY
D M E A
RECEIVED FEB 15 1957

DATE	INITIALS	CODE

DMEA 2719 - HERCULES

SUMMARY OF PRODUCTION IN DECEMBER, 1956

No exploration was undertaken in December. Production of ore subject to DMEA royalty during December was 1,438 tons which assayed:

1.86 ounces silver per ton,

3.47 per cent lead and

4.59 per cent zinc.

Rollin Farmin - Asst. Mgr.

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

Budget Bureau No. 42-R1036.5

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

Month of November, 1956 Docket No. DMEA 2719 Contract No. IDM - 2484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $288,710.00 Government Participation: 50% Amount, $

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 Sump (Audit)		5,187.00	5,187.00			
		3,399.48	3,399.48			
Station		4,030.00	4,030.00			
Drilling: Diamond		7,194.00	7,194.00			
Bulldozing: Shaft		62,600.00	62,600.00			
Crosscutting		162,672.00	162,672.00			
Drifting: Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS		278,570.48	278,570.48			

RECEIVED JAN 14 1957 D.M.E.A.

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

Date December 20, 1956 Payee Day Mines, Inc.

Per [signature] Title Treasurer

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

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

(Instructions on reverse)

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

$ — 0 —

Signature [signature]
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED JAN 14 1957 D.M.E.A.

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

Month of November 1956 Docket No. DMEA 2719 Contract No. IRH - 2434
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting				162,672.00	3,389	48.00		
Raising				23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,492.00	1,361½	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,399.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS				269,447.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS				278,570.48				

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 December 20, 1956 Operator Day Mines, Inc.

Per [signature] Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS IN NOVEMBER, 1956

RECEIVED
JAN 14 1957
D.M.E.A.

No exploration was undertaken in November. Production of ore subject to DMEA royalty during November was 1,833 tons which assayed:

1.62 ounces silver per ton,

4.08 per cent lead, and

3.27 per cent zinc.

Rollin Fornsin
Asst. Mgr.

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 October, 1956 Docket No. DMEA 2719 Contract No. IOH - E484

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

Address Wallace, Idaho

Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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 Sump		5,187.00	5,187.00			
Station		3,399.48	3,399.48			
Diamond		4,030.00	4,030.00			
Drilling		7,192.00	7,192.00			
Bulldozing Shaft		62,600.00	62,600.00			
Crosscutting		162,672.00	162,672.00			
Drifting Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS		278,570.48	278,570.48			

RECEIVED JAN 14 1957 D.M.E.A.

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

Date November 19, 1956 Payee Day Mines, Inc.

Per [signature] Title Treasurer

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

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

(Instructions on reverse)

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

$ —0—

Signature [signature]
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1956 Docket No. DMEA 2719 Contract No. IDM - 1484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting				162,672.00	3,389	48.00		
Raising				23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,492.00	1,361½	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,399.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS				269,447.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS				278,570.48				

RECEIVED JAN 14 1957 D.M.E.A.

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 November 19, 1956 Operator Day Mines, Inc.

Per [signature] Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

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

Budget Bureau No. 42-R1036.5

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

Month of September, 1956 Docket No. DMEA 2719 Contract No. 1DM-E484
Operator's Name Day Mines, Inc. Minerals Lead - Zinc
Address Wallace, Idaho
Contract Amount, $288,710.00 Government Participation: 50 % Amount, $

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			
Sump		3,399.48	3,399.48			
Station		4,030.00	4,030.00			
Drilling, Diamond		7,194.00	7,194.00			
Bulldozing Shaft		62,600.00	62,600.00			
Crosscutting	2,568.00	160,104.00	162,672.00			
Drifting Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,568.00	276,002.48	278,570.48	2568.00	276002.48	278570.48

RECEIVED JAN 14 1957 D.M.E.A.

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

Date October 30, 1956 Payee Day Mines, Inc.

Per [signature] Title Treasurer

*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:

$ 1284.00

Signature [signature]
(Authorized Certifying Officer)

Date 1-2-57 Vou. No. 1920
(See other side)

1 cy 104a - Marketing
& Mgs to Washington
11-7-56

(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/ Eric G Erickson Title Mining Engr Date 11-2-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Wing G Agnew Title Acting Exec Date 12-27-56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1)

~~Dist~~

Day mines Klug
DMEA 2719 Betty

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS IN OCTOBER, 1956

No exploration was undertaken in October.

Production of ore subject to DMEA royalty during October was 1,904 tons which assayed 1.29 ounces silver per ton, 2.97 per cent lead and 4.27 per cent zinc.

Rollin Farmin
Assistant Manager

Rpts

xxxxxxxxxxxxxxxxxx
1201 N. Division St.
Spokane 2, Washington
October 17, 1956

RECEIVED NOV 13 1956 DMEA

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The exploration project site was inspected October 9, 1956, accompanied by Mr. R. Farmin, manager, and Mr. Thompson, mine foreman.

A 13-foot crosscut located about 100 feet easterly from survey station #1633 had been driven northerly to test the mineralization in the wall. The drift westerly had been turned and advanced 40.5 feet northwesterly to expose the ore mineralization found by core drilling.

The total crosscutting and/or drifting completed before the present expiration date of the contract (October 5, 1956) is 3,389 feet, leaving 116.8 feet of the authorized amount not completed. The Operator is not planning on completing the small amount remaining of the presently authorized work. However, Day Mines have proposed exploration of the Rambler area 600 feet below the present Hercules 1600 level by crosscutting from the 3000 level of the Tamarack mine rather than by a winze from the 1600 level of the Hercules mine. The proposal is being studied by the DMEA Operating Committee.

A total of 1,352 tons of ore subject to Government royalty was produced during September 1956. The ore contained 3.70 ounces Ag per ton, 7.89 percent Pb, and 3.31 percent Zn.

The status of the contract items is as follows:

	Authorized	Completed
Drifting and/or crosscutting	3505.8 ft.	3389 ft.
Core drilling	2000.0 "	772 "
Diamond drilling	1361.5 "	1361.5 "
Shaft sinking	313 "	313 "
Shaft station (1600 level)	6200 cu.ft.	6200 cu.ft.
Pocket and sump	6456 " "	6456 " "
Timbering	246 ft.	246 ft.
Raising	330.5 "	330.5 "

Date of contract: Feb. 5, 1953 Amount of contract: $288,710.00
Termination date: Oct. 5, 1956 Amount spent: 278,570.48*

*Claimed on Sept. 1956 invoice

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED NOV 13 1956 D.M.E.A.

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

Month of September 1956 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name Day Mines, Inc. Minerals Lead - Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
		✓				11/20/56 WPK.		
Drifting								
Crosscutting	Ft.	2,568.00	53½	162,672.00	3,389	48.00		
Raising				23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,492.00	1,361½	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,399.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
		✓						
TOTAL DISTRIBUTED COSTS		2,568.00		269,447.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
		✓						
TOTAL COSTS		2,568.00		278,570.48				

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 October 30, 1956 Operator Day Mines, Inc.

Per [signature] Title Treasurer

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)

Payment is being held up until a requirement is approved as denied.

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".

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GPO 872894

RECEIVED
NOV 13 1956
D.M.E.A.

DMEA 2719 - HERCULES

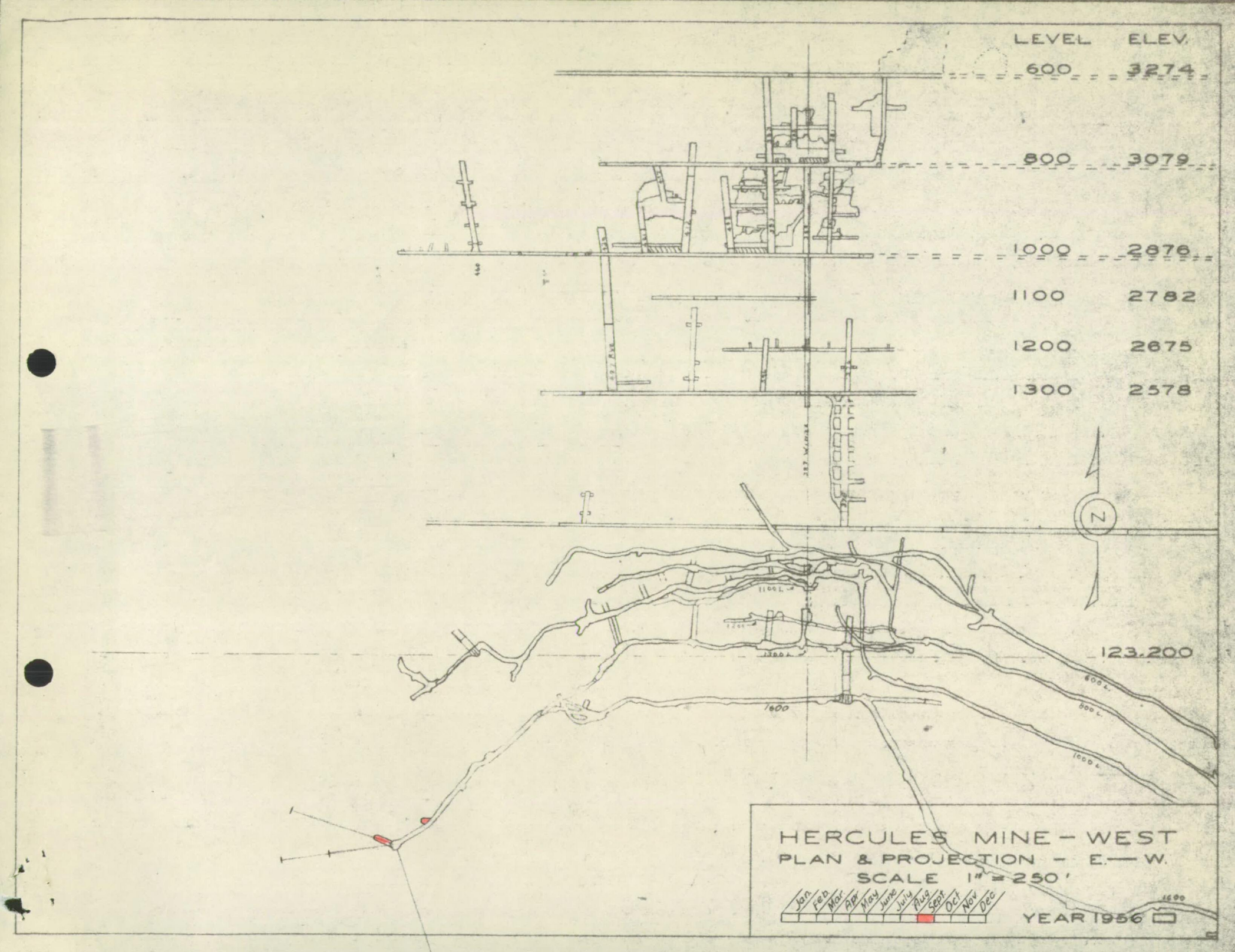
SUMMARY OF PROGRESS IN SEPTEMBER, 1956

During September the 1600 level Rambler drift was extended westerly from 3048.5 feet to 3089.0 feet, an advance of 40.5 ft., and a spur drift was extended westerly from the 2946.5 ft. point for an advance of 13.0 ft. Total advance in September, 53.5 ft. This drifting demonstrates that the vein diverged toward the west from our former heading and continues southwesterly as a sub-commercial lead-zinc vein, worthy of additional exploration. A progress map is enclosed.

Production of ore subject to DMEA royalty in September was 1,352 tons which assayed 3.70 ounces silver per ton, 7.89 per cent lead and 3.31 per cent zinc.

Rollin Farmin - Asst. Manager

RF:KAE
Encl.


LEVEL ELEV.
600 3274
800 3079
1000 2876
1100 2782
1200 2675
1300 2578
123.200
1600
HERCULES MINE - WEST
PLAN & PROJECTION - E.—W.
SCALE 1" = 250'
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
YEAR 1956

RECEIVED
NOV 13 1956
D.M.E.A.

Selfridge

July 10, 1956

Memorandum

To: Administrator

From: George C. Selfridge, Special Assistant

Subject: Examination Trip
Docket No. DMEA-2719 (Lead-Zinc)
Day Mines, Inc.
Hercules Mine
Shoshone County, Idaho
Contract No. Ida-[illegible]

The writer entered the Hercules mine through the 5200-foot-long No. 5 adit to the shaft station 32 years almost to the day when he first entered to work as a laborer underground.

From the shaft station the lower levels are reached through the four-compartment Hercules shaft. The same flat-rope hoist is being used as was used in 1924. The site of the winze being sunk on the 1000-foot Level east was first visited. This winze was being sunk in 1924 to explore for the main Hercules vein which apparently had bottomed when passing from Burke quartzite to Prichard slate. The writer had trammed from this winze.

The party then walked to the west face where the Rambler vein butts against the monzonite. Short raises show that the ore is marginal. An interior cage was then taken to the 1300-foot Level and the vein walked out to the west face where it dies out. The 1600-foot Level was then reached by climbing down through the DMEA raise. This raise consists of two timbered compartments and one untimbered compartment at each end for ore or waste. After the raise was connected the company drove a rock raise just to the west off of short laterals from the DMEA raise.

The second raise is now used as an ore pass. The DMEA raise is much larger than necessary for just an exploration raise. The DMEA raise was driven on a gipe basis with the men doing everything. Supplies were furnished at the station. On the 1600-foot Level, the Hercules fault, the Rambler vein and the monzonite contact were approximately parallel. The vein dips southeast and the fault flatly to the northeast. The western part of the vein is above the fault at the level and, therefore, the intersection of the two will be below the drift floor. A study should be made of the possible effect of

the Hercules fault on the vein at this level. A cross section should be made showing the vein position above the fault and its possible position below the fault. Thought should be given also to the possibility that the brecciated area for mineral replacement could occur here and that distance downdip from the fault could lead to weaker mineralization.

Near the face the vein was left in the northwest wall of the drift which shows nothing at the face. There is a great deal of unreplaced gangue in the vein. The manganite lies from two to three hundred feet ahead.

The air on the 1600-foot Level was good. The writer was told that the temperature was usually in the neighborhood of 72°, and that ventilation was generally good except at reversals of flow which are governed by outside atmospheric conditions. Men working in the face never complain about working conditions. During the discussion of ventilation mention was made that the company had never worked out the air currents in the accessible parts of the mine. Some day this may have to be done, sections of the mine blocked off, and a fan installed. To the writer this study should have been made a long time ago.

The 1690-Level was also walked out to the east of the raise. The vein was quite narrow locally and some of the metamorphic gangue is really tough and hard.

After examining the mine workings and looking at the mine maps, the writer cannot see why the company was so optimistic in driving the long 1600-foot Level to the west through a block of ground that showed little or no ore on the 200-, 400-, 600-, 800-, and 1000-foot Levels.

Seventeen men are employed underground at the Hercules mine, five at the Tamarack mill and five at the surface. Just where the five surface men were employed was not learned but probably the greater part of them work at the Tamarack yard. There are only two hoist men and one cager.

The mine produces from 2800 to 3000 tons of ore a month. All of the ore from the mine is mixed and milled at the Tamarack mill as Hercules ore. Four-to five-ton ore cars are used to haul from the shaft station to the portal. Hauling is done irregularly. Three trips may be made in one day and then no hauling may be done for a day or two. When there is no trenching to be done the tumblers are used for other work. Broken rock on the levels is hauled in 2.5-ton cars. The mine is pumping approximately 400 gallons a minute and automatic pumps are

used thus eliminating pump men. The 1600-foot Level reaches as much as 12' x 10' in section. Twenty-pound rail, 3" to 4" Victaulic air lines, 8" water line, and 14" vent pipe are used. All pipe is hung. Carbide-tipped integral steel drills a maximum of 100 feet in the hardest ground.

Before going to the Tamarack mine from the Hercules, a short run up the canyon was made to visit the site of the Hercules waste dump. It is slightly less than a mile away and there is not too much room left.

In a letter dated May 26, 1956, Ray Mines requested an amendment to the contract to provide for a long crosscut from the Watson shaft of the Tamarack mine to explore the Rambler ore shoot in lieu of the amendment providing for sinking and drifting from the 1600-foot Level of the Hercules mine. After completing the examination at the Hercules mine, the Tamarack mine was visited to learn of the operating conditions that might exist there should BMA grant the company's new request. The mine was entered through the approximately 8600-foot No. 7 Adit to the Chesapeake shaft at the 1200-foot Level. The cage was taken to the 2400-foot Level from where it is approximately 1400 feet to the Watson shaft. The cage was taken to the 3000-foot Level which is approximately equivalent to what would be the 2200-foot Level at the Hercules mine. The various maps submitted with the company's May 26 request show the relationship between the two properties. The face that the company proposes to extend to the northeast is only a short distance from the shaft station. It would appear that the Prichard slate in this area would not offer any serious operating difficulties. Some water is expected. Some of the veins on the 3000-foot Level were inspected. Locally there was some stoping just starting. The sulphide occurs as streaks in unreplaced country rock. It would appear that the sulphide showings represent the roots of veins. This immediate area is more than 1000 feet from the monzonite stock and, therefore, would not appear to be as favorable an area to explore as if the proposed crosscut were skirting the stock at a much closer distance.

The Tamarack mine is producing approximately 2200 tons a month. Ore is mined by a lessee system and each "lessee's" ore is batch-milled and he is charged for everything. The lessee, to be sure to get all of his ore out of the shaft pocket, washes the pocket down. As a whole, ventilation at the Tamarack mine is better than at the Hercules. After visiting the mine, the Tamarack mine maps were examined. Some of the veins in the area are very shallow. Most of the ore occurs in the Prichard slate but some does occur in the Burke quartzite. A synclinal structure is involved in the area. The main veins have been the Chesapeake, Tamarack, and South veins. All bottomed approximately at the 1800-foot Level. The Watson vein started approximately at the

1650-foot Level and extended to above the 2850-foot Level where it was low grade. There is not much on the 3000-foot Level. A 3300-foot Level was also driven. There is nothing near the area of the projected crosscut. The closest workings to the southeast are 3- to 4000 feet away. Some of the structures the company thinks will be cut are only faults on which there has been no stoping. The impression was gained that driving on the 3000-foot Level might be too deep, and that it would be largely prospecting in the western section and would be development and for improved operating conditions to the east.

Examination of a surface map showed two geochemical anomalies, one on the northwest extension of the Hercules vein and the other just to the southeast which could possibly represent the projection of the Rambler vein to the northeast. No gabbro were shown along the monzonite contact. The geophysical work had been done by the Survey but just how much of the entire area had been covered was not learned.

As a whole, there is little doubt but that Day Mines operates just as efficiently as can be done. The bosses do laborers' work but cannot spend more than 50 per cent of their working time doing such labor. As the company also has three or four other properties which are serviced by the Tamarack surface plant, it would seem that actual costs for exploration should be lower than the costs requested for the new work. Actually costs can vary considerably depending on how the mine books are kept.

George O. Selfridge

GOSelfridge/emf
7/10/56
cc to: Hacket
Admr. R. File
Messrs: Johnson
Griswold
Selfridge

RECEIVED
SEP 24 1956

BMEA 2719 - HERCULES

SUMMARY OF PROGRESS IN JULY AND AUGUST, 1956

Considerably more ore was broken in August than was milled; it is accumulating in transfer raises and ore pockets and will soon necessitate an increased rate of milling, when these storage places become filled to capacity. As was the case once before, it seems better to report the two months combined production for July and August rather than to report negative figures for August separately.

Production of ore subject to BMEA royalty for July and August combined was 3,234 tons which assayed 1.15 ounces of silver per ton, 3.08 per cent lead and 2.78 per cent zinc.

No exploration was undertaken in July and August.

Rollin Parkin - Asst. Mgr.

RECEIVED
SEP 20 1956
U.S.B.M.
Salt Lake City

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

Budget Bureau No. 42-R1036.5

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Memo only

RECEIVED AUG 13 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May & June, 1956 Docket No. DMEA 2719 Contract No. IDM - E484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Pocket	(Audit)	5,187.00	5,187.00			
Sump.		3,399.48	3,399.48			
Station		4,030.00	4,030.00			
Drilling Diamond	-235.00	7,429.00	7,194.00	10/12/56		
Bulldozing Shaft		62,600.00	62,600.00			
Crosscutting		160,104.00	160,104.00			
Drifting Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
			OK			
TOTALS	-235.00	276,237.48	276,002.48			

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

Date July 30, 1956 Payee Day Mines, Inc.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ —o—

Signature MDP
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

No costs claimed and no payment made. We adjusted to audit on April 1956 MF104

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form ME-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 13 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May & June 195..... Docket No. DMEA 2719 Contract No. IDM - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting				160,104.00	3335½	48.00		
Raising				23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes	(Audit Correction							
Drilling: Core		-235.00)		4,492.00	1361½	3.30		
Churn				2,702.00	772	3.50		
Auger								
Stripping Pocket				5,187.00	3900	1.33		
Trenching Station				4,030.00	6200	.65		
Test Pits Sump				3,399.48	2556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		-235.00		266,879.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		1,428.00		276,002.48				

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 July 30, 1956 Operator Day Mines, Inc.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
AUG 13 1956

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS IN MAY AND JUNE, 1956

NOTE: The inventory of ore in transfer passes in the Hercules mine in May and June has caused the DMI engineering staff difficulty in establishing satisfactory figures for each month but they have a satisfactory figure for the two months combined production. We request, therefore, that the following be used as governing May and June Combined Production:

The production of ore subject to DMEA royalty for May and June combined was 2,043 tons which assayed 1.41 ounces silver per ton, 2.88 per cent lead and 4.16 per cent zinc.

No exploration was undertaken in May and June.

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
June 26, 1956

RECEIVED
JUL 19 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The project was inspected June 18, 1956 accompanied by Mr. George C. Selfridge, Chairman, DMEA Operating Committee, Washington, D. C., Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, NW Dist., Mr. Verne Fryklund, Jr., geologist, U.S.G.S., and the following company officials: Mr. Farmin, general manager; Mr. Croby, geologist; Mr. Sparks, superintendent; Mr. Thompson, mine foreman.

A brief inspection was made of the surface plant and underground installations, followed by a thorough inspection of the west mine or Rambler area. The Rambler area was inspected on the 1000, 1300, and 1600 levels. It appeared as though the remaining 170.3 feet of drifting and/or crosscutting should be used to test the encouraging results found by the core drilling from near the face of the 1600 level west drift and also the remaining 1,228 feet of core drilling to further probe the west area from the last crosscutting and/or drifting.

The new proposal of the Day Mines, Inc. to drift from the Tamarack mine 300 level under the Rambler area of the Hercules mine was discussed. This drift would test the intervening area between the two mines and would continue about 600 feet under the ore shoot indicated on the 1600 level Rambler area.

The inspection continued with a brief look at the Tamarack surface plant and an underground inspection of the mine in the area from which the proposed crosscut would start. The underground inspections were followed by a comprehensive review of the geologic and mine maps of the two properties and the intervening area.

Mr. R. Farmin was later contacted and advised that a detailed breakdown of the costs of the proposed project would have to be submitted including the present size of operation and the expansion necessary to facilitate the proposed work.

It was noted that the present company operation is on one shift only and to continue so and operate the proposed DMEA project on two shifts would entail considerable additional expense to the project because the cost of the second shift would be charged to the project. Unless other than the project work is accomplished on the second shift it would be cheaper to operate it on one shift concurrent with present operations. This was touched on when discussing costs with Mr. Farmin on June 22, 1956.

At the present time the Operator is driving two raises from the 1600 level on the Rambler vein at the Hercules mine, and they expect to start the crosscutting near the face in the near future. The remaining work should be completed in a couple of months if not interrupted.

Following is a tabulation of the work items authorized and completed:

	Authorized	Completed
Drifting and/or crosscutting	3,505.8 ft.	3,335.5 ft.
Core drilling	2,000 "	772 "

E. G. Erickson

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Engr.
M/D

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

W

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 25 1956

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

Month of April, 1956 Docket No. DMEA 2719 Contract No. DMA-248
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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		5187.00	5187.00
Sump.		3,399.48	3,399.48		3399.48	3399.48
Drilling Station		4,030.00	4,030.00		4030.00	4030.00
Bulldozing Diamond	1,428.00	6,001.00	7,429.00	1193.00	6001.00	7194.00
Crosscutting Shaft		62,600.00	62,600.00		62600.00	62600.00
Drifting Raising		160,104.00	160,104.00		160104.00	160104.00
Timbering		23,135.00	23,135.00		23135.00	23135.00
(2) Labor and Supervision:		1,230.00	1,230.00		1230.00	1230.00
Labor					7500.00	7500.00
Supervision						
Technical Services					7/6/56 JWW	~~[illegible]~~
(3) Operating Mat'ls. and Supplies:						
Timber						~~Hugoulant~~
Explosives				7/20/56 [illegible]		Betty
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation					623.00	623.00
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		— 0 —	— 0 —
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1000.00	1000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,428.00	274,809.48	276,237.48	1193.00	274809.48	276002.48

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

Date June 7, 1956 *Payee Day Mines, Inc.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

adjusted to audit report

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

$ 596 50

Signature [signature]
(Authorized Certifying Officer)

Date 6-21-56 Vou. No. 1799
(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/ Eric G. Erickson Title Mining Engr. Date 6-15-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Wing G. Agnew Title Acting Exec. Officer Date 6-18-56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA 2719 Contract No. DMEA[illegible]

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

Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting								
Crosscutting				160,104.00	✓3235½	49.00		
Raising				23,135.00	✓330½	70.00		
Shafts				62,600.00	✓313	200.00		
Winzes								
Drilling: Core	Ft.	1,428.00	408	8,792.00	✓772	3.50		
Churn				4,727.00	1361½	3.43		
Auger								
Stripping Pocket				5,187.00	✓3900	1.33		
Trenching Station				4,030.00	✓6200	.65		
Test Pits Stump				3,392.40	✓2556	1.33		
Roads and Trails								
Timbering				1,230.00	✓246	5.00		
TOTAL DISTRIBUTED COSTS		1,428.00	408	257,114.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00	✓			
New Buildings, Improvements, etc.				1,000.00	✓			
TOTAL COSTS		1,428.00		276,237.40				

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

REMARKS:

Date June 7, 1956 Operator Day Mines, Inc.

Per [signature] Title Secretary

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

(Instructions on reverse)

(For Government use only)

151 Eric G Erickson

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

DAY MINES, INC.

WALLACE, IDAHO

COPY

May 14, 1956

RECEIVED

JUN 25 1956

DMBA 291 - HERCULES

SUMMARY OF PROGRESS IN APRIL, 1956

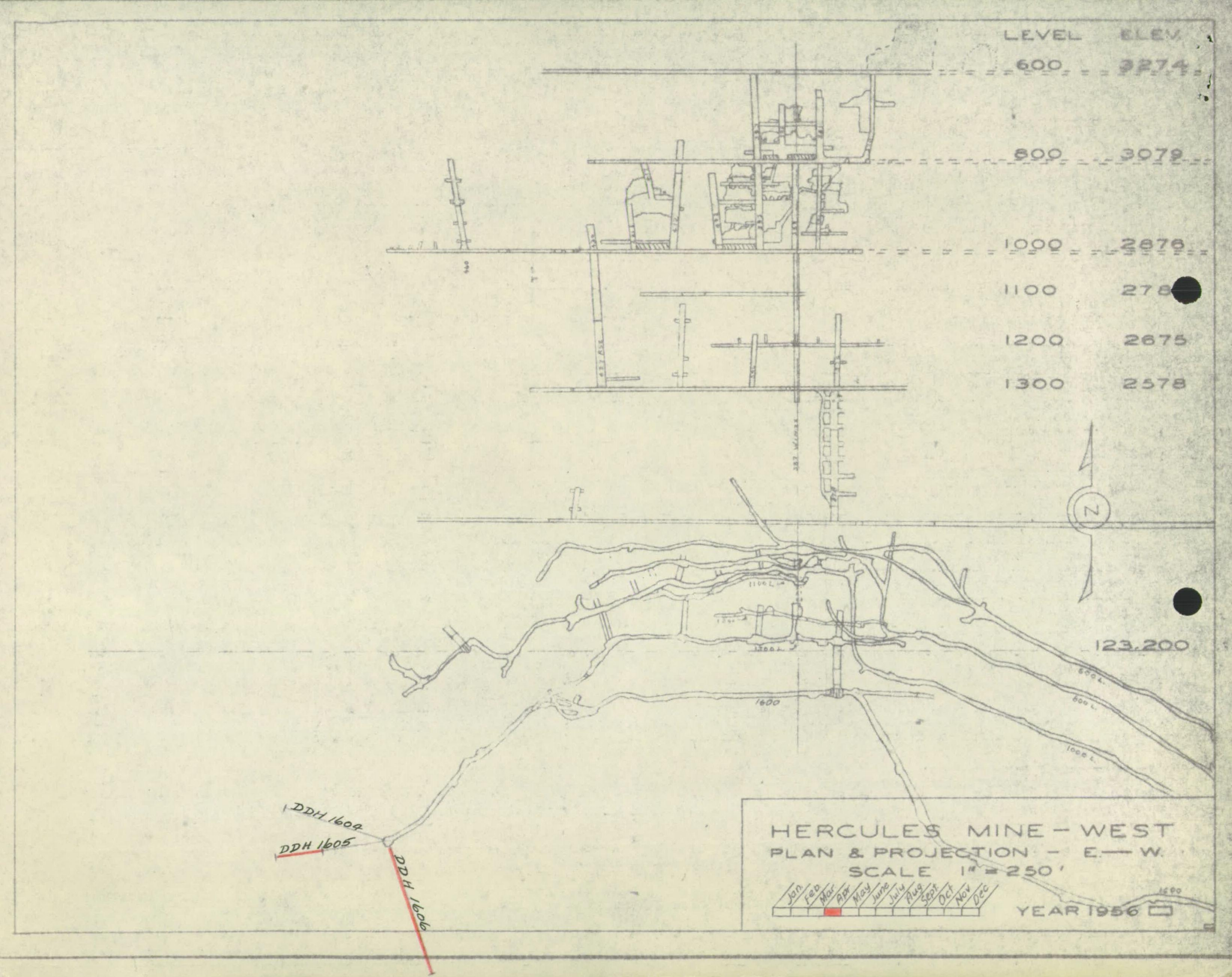
During April the following core drilling was completed:

DD Hole No. 1605, from 193 ft. to 841 ft., an advance of 100 feet.

DD Hole No. 1606, from 0 ft. to 300 ft., an advance of 300 feet.

The April ore production subject to DMBA royalty was 592 tons, which assayed 1.07 oz. Ag., 0.26 % Pb., and 0.06% Zn.

Nellie Pounds - Asst. Mgr.


LEVEL ELEV.
600 3274
800 3079
1000 2879
1100 278
1200 2675
1300 2578
123,200
1600
DDH 1604
DDH 1605
DDH 1606
HERCULES MINE - WEST
PLAN & PROJECTION - E. — W.
SCALE 1" = 250'
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
YEAR 1956

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JUN 2 5 1956

DMEA Field Team, Region I, NW Dist. June 21, 1956

RECEIVED
JUN 25 1956

Certifying Officer, Region I, NW

Contract Idm-E484, Day Mines, Inc. Monthly operating report for April 1956.

The subject operating report has been processed and forwarded for payment.

A disallowance of $235.00 has been made from the costs claimed for diamond drilling to bring the accepted costs into agreement with those approved by the recent audit report submitted by DMEA Auditor, C. E. Fisher.

Myrtle Purdy

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

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

Budget Bureau No. 42-R1036.5

RECEIVED
MAY 14 1956

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

Month of March, 1956 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $ 144 355 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		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	1,274.00	4,727.00	6,001.00	1274.00	4727.00	6001.00
Bulldozing Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting		160,104.00	160,104.00		160104.00	160104.00
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:						
Labor				4/30/56 WPK	WPK	5/16/56 J.W.A.
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		8123.00	8123.00
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1000.00	1000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,274.00	273,535.48	274,809.48	1274.00	273535.48	274809.48

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

Date April 30, 1956 Payee Day Mines, Inc.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 637 00

Signature [signature] (Authorized Certifying Officer)

Date 5/10/56 Vou. No. 1769

(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/ Eric G. Erickson Title Mining Engr. Date 5/7/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Exec. Officer Date 5/8/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
MAY 14 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1956 Docket No. DMEA 2719 Contract No. IDM - E484
Operator's Name Day Mines, Inc. Minerals Lead - Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting				160,104.00	3335½	48.00		
Raising				23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core	ft.	1274.00	364	1,274.00	364	3.50		
Churn				4,727.00	1361½	3.43		
Auger								
Stripping Pocket				5,187.00	3900	1.33		
Trenching Station				4,030.00	6200	.65		
Test Pits Sump				3,399.48	2556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		1274.00	364	265,686.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		1274.00		274,809.48				

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.

REMARKS:

Date April 30, 1956 Operator Day Mines, Inc.

Per S. Kleckell Title Secretary

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

(Instructions on reverse)

(For Government use only)

/s/ Eric G. Erickson

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

DAY MINES, INC.

WALLACE, IDAHO

COPY

April 19, 1956

RECEIVED

MAY 14 1956

DMEA 2917 - Hercules

Summary of Progress in March 1956

During March the following core drilling was completed:

DD Hole No. 1604, from 0. ft. to 231 ft., 231 ft. advance.
DD Hole No. 1605, from 0. ft. to 133 ft., 133 ft. advance.

Total drilled in March 364 ft.

The ore production subject to DMEA royalty in March was 1,511 tons which assayed 2.55 oz. Ag., 4.36% Pb. and 4.56% Zn.

Rollin Farmin
Assistant Manager

RF/job

RECEIVED
MAY 14 1956

DMEA 2917 - HERCULES

SUMMARY OF PROGRESS IN FEBRUARY, 1956

The strike which closed the Hercules mine on August 24, 1955, was terminated February 1, 1956, and the mine was put back in operation during the month. Ore was broken at several locations in the mine but milling was not resumed until March. No advance was made in Project exploration work.

ROLLIN FARMIN,
Asst. Gen. Mgr.

(3)

DAY MINES, INC.

WALLACE, IDAHO

April 9, 1956

RECEIVED
MAY 14 1956

Dr. Verne Fryklund
U. S. Geological Survey
South 157 Howard St.
Spokane, Washington

Dear Verne;

We have completed Diamond Drill Hole No. 1604 at the west end of the Hercules 1600 level. Four copies of the core log are enclosed, and you will notice that an excellent core recovery of 92.1% was obtained. Assays shown are entirely from sludge samples. As you know, our technical staff is undermanned at the present time, and for that reason we have not split core for sampling. The presumption is that crosscutting will follow the drilling program anyway, and these intersections will be much better sampled from the later openings. Drill hole intersections which are not explored by later work will be sampled by core splitting.

Core logs of the current and future drill holes will be forwarded to you as they are completed.

Details of the Mars 27-19 crosscut proposals as you presented them to us a week ago will be discussed with Mr. Day, who has just returned to Wallace, this week.

Sincerely yours,

Garth M. Crosby
Chief Geologist

Encl. 4

RECEIVED
APR 20 1956
U. S. G. S.
SPOKANE, WASH.

RECEIVED
MAY 14 1956

DIAMOND DRILL CORE LOG

Day Mines, Inc.

C. L. Sheppard, Cont.

Mine: MERCURY | Hole No.: 1604 | Date: Started 2-27-56, Stopped 3-21-56

Location: 1600 Ambler West Pace | Bearing: N 70° W | Inclination: 0°

OBSERVATIONS						SAMPLES						
Run	Ft.	Rec	Beds	Rock and Vein Descriptions	Depth	Number	Depth	Oz Ag	% Pb	% Zn	% Fe	
0-5'	4.6		35°	Medium hard to hard, black, silicified								
5-7	1.7			Argillite with local strong garnet-								
7-11	3.8			ization and biotitization. Some areas								
11-16	5.1			are much lighter colored than average.								
16-22	5.0			Peculiar texture 27 to 30 feet appears								
22-27	5.0			"semi or psuedo-schistose" and may								
				possibly be relic beds (?) otherwise								
				no bedding is apparent.	0-73'							
				Narrow ½" grunerite, pyrrhotite,			16½-22'	tr.	0.5	0.35	5.7	Sludge
				magnetite, sphalerite stringers.	0-1'		40-45'	tr.		2.9	13.8	"
				¼" grunerite stringer at 90°	10'		50-52'	tr.	1.8	20.0*	7.8	"
				Very weak grunerite quartz, sphalerite	12½'		52-57'	17.2	22.4	1.8	5.0	"
				Weak sphalerite, pyrrhotite, garnet,			57-60½'	26.2	34.9	1.6	5.8	"
				biotite at 45-90°.	16-18½'							
				"	21½-22½'							
				Abundant irregular grunerite stringers	29-31'							
27-30½	3.3											
30½-35½	5.0			Massive heavy iron vein. (Barren)	31-34'							
35½-41½	7.1			Very irregular and spotty silicates.	34-45'							

* Not recognizable in the core. A run of 8½' recovered only 4.7' core here. The sludge sample was taken from the last 2.0' of the run.

DIAMOND DRILL CORE LOG

Day Mines, Inc.

Mine HERCULES Hole No. 1604 Date

Location Bearing Inclination

OBSERVATIONS						SAMPLES					
Run	Ft.	Rec	Beds	Rock and Vein Descriptions	Depth	Number	Depth	Oz Ag	% Pb	% Zn	% Fe
44½-52'	4.7			8" grunerite, pyrrhotite vein at 75°.	45'						
52-57'	3.4			Very irregular and spotty silicates. Weak sphalerite stringers	45-53' 49-52'						
57-60½'	3.4			6" grunerite, pyrrhotite vein at 45-60°.	55'						
60½-67'	5.1			Massive galena, sphalerite, magnetite							
67-75½'	6.6			probably parallel to core!	58-59'						
75½-78½'	2.7		80°	Relic beds at 60° to core(?)	59'						
78½-85½'	5.8		75°	Predominantly lighter colored, hard, dense quartzite. Beds quite evident-							
85½-95½	10.0		45°	tops probably (?) toward the end of the hole. Considerable amounts of							
				garnetization, pyrrhotitization and biotitization and less strong							
				silicification.	73-100'						
				Chunk of sphalerite and pyrrhotite	78'						
95½-102'	5.7			Quartz and muscovite.	100-102'						
102-103½'	1.1			Grey mottled rock with garnetization and biotitization.	100-110'						
103½-109½'	5.6			Light grey-greenish altered rock with some granitic texture and possibly							
109½-119½	9.4			some feldspar. Light grey-white crystalline rock.	110-125' 125-128'						
119½-124½	3.9			Grey altered quartzite with sections of irregular mineralization consisting							
124½-133½	9.2			chiefly of grunerite, garnet, magnetite biotite, and some specks of sphalerite							
133½-138½	4.4			and galena. Also some sections of granitic texture in light colored							
138½-144½	6.3			rock-some altered, some fresh.	140-155'						

DIAMOND DRILL CORE LOG

Day Mines, Inc.

Mine HERCULES Hole No. 160A Date

Location Bearing Inclination

OBSERVATIONS						SAMPLES						
Run	Ft.	Rec	Beds	Rock and Vein Descriptions	Depth	Number	Depth	Oz Ag	% Pb	%Zn	%Fe	
144½-150½	5.6			Irregular vein mineralization consisting								
150½-160½	10.0			of garnet, biotite, pyrrhotite, magnetite, among granitic textures.	174½-178'							
160½-166½	5.7			Fresh, pinkish, coarse grained								
166-176	9.9			monzonite with sections of strong epidotization.	178-231'							
176-181½	5.2											
181½-191	9.4											
191-202	10.0						138.6-144.6	-	--	1.0	9.5	
202-212	10.0						144.6-150.5					
212-222	10.0							0.8	2.0	0.2	6.2	
222-231	9.0											
END OF HOLE												
	212.7											
92.1% Recovery												

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

1201 N. Division St.
Spokane 2, Washington
December 21, 1955

RECEIVED
JAN 23 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The property is still idle because of the labor strike that started August 24, 1955. Some informed persons believe the strike will be settled in January 1956.

Mr. R. Farmin, assistant manager, was contacted at the Day Mines office on December 15. He was asked to acknowledge receipt of the Amended Contract even though the directors had not as yet reviewed it for signature.

E. G. Erickson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
EGE/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
October 17, 1956

RECEIVED NOV 13 1956 D.M.E.A.

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The exploration project site was inspected October 9, 1956, accompanied by Mr. R. Farmin, manager, and Mr. Thompson, mine foreman.

A 13-foot crosscut located about 100 feet easterly from survey station #1633 had been driven northerly to test the mineralization in the wall. The drift westerly had been turned and advanced 40.5 feet northwesterly to expose the ore mineralization found by core drilling.

The total crosscutting and/or drifting completed before the present expiration date of the contract (October 5, 1956) is 3,389 feet, leaving 116.8 feet of the authorized amount not completed. The Operator is not planning on completing the small amount remaining of the presently authorized work. However, Day Mines have proposed exploration of the Rambler area 600 feet below the present Hercules 1600 level by crosscutting from the 3000 level of the Tamarack mine rather than by a winze from the 1600 level of the Hercules mine. The proposal is being studied by the DMEA Operating Committee. Withdrawn?

A total of 1,352 tons of ore subject to Government royalty was produced during September 1956. The ore contained 3.70 ounces Ag per ton, 7.89 percent Pb, and 3.31 percent Zn.

The status of the contract items is as follows:

	Authorized	Completed
Drifting and/or crosscutting	3505.8 ft.	3389 ft.
Core drilling	2000.0 "	772 "
Diamond drilling	1361.5 "	1361.5 "
Shaft sinking	313 "	313 "
Shaft station (1600 level)	6200 cu.ft.	6200 cu.ft.
Pocket and sump	6456 " "	6456 " "
Timbering	246 ft.	246 ft.
Raising	330.5 "	330.5 "

Date of contract: Feb. 5, 1953
Termination date: Oct. 5, 1956

Amount of contract: $288,710.00
Amount spent: 278,570.48*

*Claimed on Sept. 1956 invoice

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
September 12, 1955

RECEIVED
OCT 10 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

Mr. L. Hansen, mine geologist, was contacted at the Hercules mine on September 1. The mine was idled on August 24, 1955 by a labor strike.

The drift west had been advanced 104 feet beyond survey station No. 1632 for a total crosscutting and drifting advance of 3335.5 feet. A total of 170.3 feet of drifting and/or crosscutting remains in the present contract.

An amendment authorizing a winze to the proposed 1900 level and 1000 feet of crosscutting and/or drifting on the new level has been recommended by the Field Team and forwarded to Washington for consideration.

There is no indication that the present strike will be of short duration. The main issue at the present time seems to be "closed shop". The present strike has idled the "16 Operators" which includes Sunshine, American Smelting & Refining Co., Pine Creek operators, and all the other operations except Bunker Hill & Sullivan and Hecla. Bunker Hill has settled to a degree and are still negotiating some points of their union contract but they are working. Hecla miners have no union affiliation and are working.

E. G. Erickson

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

operator has
just recently
resumed work.

W

1 [redacted]F-104 (Rev.)
[redacted] April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
APR 26 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 195 5 Docket No. DMEA 2719 Contract No. IDM-E484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Pocket		5,187.00	5,187.00		5187.00	5187.00
Sump		3,398.48	3,398.48	1.00	3398.48	3399.48
Station		4,030.00	4,030.00		4030.00	4030.00
Drilling Diamond		4,727.00	4,727.00		4727.00	4727.00
~~Bulldozing~~ Shaft		62,600.00	62,600.00		62600.00	62600.00
Crosscutting	672.00	159,432.00	160,104.00	672.00	159432.00	160104.00
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:						
Labor						
Supervision				5/29/56	WRK	[redacted]
Technical Services						~~[redacted]~~
(3) Operating Mat'ls. and Supplies:						
Timber						Betty
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		8123.00	8123.00
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1000.00	1000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS		272,862.48	273,534.48	673.00	272862.48	273535.48

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

Date Sept. 10, 1955 *Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

1 cy Mf 1044 - Narrative & map sent to Washington 9/21/55

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

$ 336 50

Signature M.P.
(Authorized Certifying Officer)

Date 4/20/56 Vou. No. 1758
(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/ Eric G. Erickson Title Mining Eng Date 9-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen M. Zoldok Title Mining Engr Date 9-14-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DMEA 2917 -- Hercules

RECEIVED
APR 2 6 1956

SUMMARY OF PROGRESS IN AUGUST, 1955

During August the 1600 level rambler drift was extended southwesterly from 3048.5 to 3062.5 ft., an advance of 14.0 ft. This advance followed a barren shear zone so the heading was stopped and a station was cut for diamond drilling. A labor strike (Mine-Mill and Smelter Workers Union) arrested the work on August 24 before diamond drilling on the project was commenced.

The total ore production subject to DMEA royalty in August was 932 tons which assayed 1.77 oz ag, 3.21% PB and 3.60% Zn.

Rollin Farmin
Assistant Manager

ao

DMEA Field Team, Region I, NW District April 23, 1956

DMEA Certifying Officer, Region I

Docket No. DMEA 2719, Contract Idm-E484, Day Mines, Inc.
Monthly operating report for August 1955.

An amount of $1.00 has been added to the approved cost of the sump excavation to correct a mathematical error made when a cost of $3,398.48 was originally approved on the MF-104 for September 1 to October 15, 1953.

Myrtle Purdy

cc: Operator
DMEA (2)
USGS (2)
Wash. (2)
AD
Engineer

(S)

RECEIVED
APR 26 1956

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
AUG 29 1955

Month of July, 1955 Docket No. DMEA 2719 Contract No. DMEA 404
Operator's Name Day Mines, Inc. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 280,710.00 Government Participation: 50 % Amount, $ 144,355.00

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 Sump Station Diamond		$ 5,187.00	$ 5,187.00			8/30/55 J.W.A.
Drilling		3,398.00	3,398.00			
Bulldozing		5,030.00	5,030.00			
Crosscutting		4,727.00	4,727.00	9/12/55 DPK		
Drifting	8,304.00	151,128.00	159,432.00			
Shaft Raising		22,200.00	22,200.00			
Timbering		23,135.00	23,135.00			
		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs			8,123.00			
(6) New Bldgs., Improvements, etc.			1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	8,304.00	264,558.48	272,862.48	8304.00	264558.48	272862.48

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

Date Aug. 22, 1955 Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 4152.00

Signature [signature] (Authorized Certifying Officer)

Date 8-24-55 Vou. No. 1591

(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) Eric G Erickson Title Mining Engr Date 8-24-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W Zoldok Title Mining Engr Date 8-24-55

MONTHLY REPORT OF OPERATOR

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(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.

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Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
AUG 29 1955

Month of July 1955 Docket No. DMEA 2719 Contract No. 1551 - 8484
Operator's Name Day Mines, Inc Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$ 8,304.00	173	$159,432.00	3,321½	$ 48.00	3505.8	48.00 ft
Raising				23,135.00	330½	70.00	3305	70.00 ft
Shafts				62,600.00	313	200.00	313	200.00 ft
Winzes								
Drilling: Core				4,727.00	1,361½	3.43	1361.5	3.47 ft
Churn							2000	3.50 ft
Auger								
Stripping Pocket				5,187.00	3,900	1.33	3900'	1.33 cu ft
Trenching Station				4,030.00	6,200	.65	6200'	0.65 cu ft
Test Pits Sump				3,398.48	2,556	1.33	2556'	1.33 cu ft
Roads and Trails								
Timbering				1,230.00	246	5.00	246'	5.00 ft
TOTAL DISTRIBUTED COSTS		$ 8,304.00	173	$263,739.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		$ 8,304.00		$272,862.48				288710.00

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

REMARKS:

Date Aug. 22, 1955 Operator Day Mines, Inc.

Per [signature] Title Secretary

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

(Instructions on reverse)

(For Government use only)

1S1 Eric G Erickson

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 2917 - Hercules

SUMMARY OF PROGRESS IN JULY, 1955

RECEIVED
AUG 29 1955

During July the 1600 level Rambler drift was extended southwesterly from 2875.5 feet to 3048.5 feet, an advance of 173.0 feet. Approximately 80 feet of this advance was in ore averaging 6.2 feet wide which assayed 3.0 Ag., 7.5% Pb. and 12.1% Zn.

The subsequent 93 feet of advance followed the extension of the vein fracture, crossed a monzonite dike and found only narrow stringers of pyrrhotite beyond. Percussion-drilled test holes failed to find additional ore and diamond drilling will be used in the next effort. A raise has been collared at 2840 feet to develop the ore body toward 1300 level during the diamond drilling program.

The total ore production subject to DMEA royalty for July is 1619 tons which averaged 2.88 oz. Ag., 6.14% Pb. and 6.32% Zn.

RF:mbr

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
July 13, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The project was inspected July 8, 1955, accompanied by Mr. Thompson, mine foreman, and Mr. Hansen, mine geologist.

The 1600 level west drift has taken a southwesterly trend which is in line with the course on the upper levels. The ore has improved to a very good commercial grade which has been persistent for the last 150 feet. The west drift has had marginal grade commercial ore for about 300 feet previous to the improved ore disclosure. The improvement in the grade of ore on the 1600 level over the upper levels is most encouraging, and it now appears that an ore shoot of major importance has been disclosed. The drift face would assay 10 to 15 percent combined lead and zinc.

The drift had been advanced 123 feet beyond survey station No. 1630 for a total of 356.5 feet of drifting since starting the westward dirfting after the recess, and the total drifting and cross-cutting to date is 3184.5 feet.

The Operator's request by letter, dated June 23, 1955, to increase the amount of the contract $134,090.00 to allow a 425-foot winze, 2 pockets, 2 stations, electrical installations for pumping and hoisting, and 1000 feet of drifting was discussed with Mr. R. Farmin, assistant manager. The Operator's proposal was not detailed and he was requested to submit a detailed cost estimate accompanied by specifications on the winze, pockets, stations and drifts.

The cost estimate as submitted by the Operator, although not detailed, appears to be in line with costs for like work. Costs do not include equipment depreciation and include only a share of the actual prorated costs. The detailed costs which the Operator is submitting will be reviewed in a subsequent memorandum.

A geology and assay map will be submitted with a memorandum from Mr. V. Fryklund, geologist, USGS.

Standard of work remains good.

Following is a tabulation of work items remaining and units completed:

	Authorized	Completed
Drifting and crosscutting	3505.8 feet	3184.5 feet
Core drilling	2000 "	none

E. G. Erickson

E. G. Erickson

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

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 19 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1955 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name Day Mines, Inc. Minerals Lead - Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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			
Sump		3,398.48	3,398.48			
Station		4,030.00	4,030.00	7/21/55	O.P.K.	
Diamond Drilling		4,727.00	4,727.00			
Bulldozing						
Crosscutting	$5,736.00	145,392.00	151,128.00	5736.00		
Drifting Shaft		62,600.00	62,600.00			
Raising		23,135.00	23,135.00			
Timbering		1,230.00	1,230.00			
(2) Labor and Supervision:						
Labor						8/8/55 J.W.A.
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$5,736.00	$258,822.48	$264,558.48	5736.00	258822.48	264558.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 12, 1955 *Payee Day Mines, Inc.
Per [signature] Title Asst. Secretary

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

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

(Instructions on reverse)

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

$ 2868.00

Signature MOP
(Authorized Certifying Officer)

Date 7-15-55 Vou. No. 1559
(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/ Eric G. Erickson Title Mining Engr Date 7-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 7-13-55

MONTHLY REPORT OF OPERATOR

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Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 19 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name Day Mines, Inc. Minerals Lead - Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$5,736.00	119½	$ 151,128.00	3,148½	$ 48.00	3503.8	48.00 ft
Raising				23,135.00	330½	70.00	3805	70.00 ft
Shafts				62,600.00	313	200.00	313	200.00 ft
Winzes								
Drilling: Core				4,727.00	1,361½	3.43	13616	3.47 ft
Churn							2000	3.50 ft
Auger								
Stripping Pocket				5,187.00	3,900	1.33	3900'	1.33 cu ft
Trenching Station				4,030.00	6,200	.65	6200'	0.65 cu ft
Test Pits Sump				3,398.48	2,555	1.33	2556	1.33 cu ft
Roads and Trails								
Timbering				1,230.00	246	5.00	246'	5.00 ft
TOTAL DISTRIBUTED COSTS		$5,736.00	119½	$ 255,435.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		$5,736.00		264,558.48				288710.00

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

Date July 12, 1955 Operator Day Mines, Inc.

Per [signature] Title Asst. Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

151 Eric G Erickson

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 2917 - Hercules

SUMMARY OF PROGRESS IN JUNE, 1955

During June the 1600 level Rambler drift was extended southwesterly from 2756.0 feet to 2875.5 feet, an advance of 119.5 feet. This advance followed a vein which averaged 4.3 feet wide, assaying 1.4 Ag., 3.1 Pb. and 19.1 Zn. The last 20 feet of the advance was in good ore 8 feet wide.

The total ore on which DMEA receives royalty for June is 1806 tons, averaging 1.22 oz. Ag., 3.29% Pb. and 5.91% Zn.

Two copies of the geologic map are enclosed, additional to copies delivered to Mr. Fryklund of the Field Team.

RF:mbr

ROLLIN FARMIN

Assistant Manager

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUL - 5 1955

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

Month of May, 1955 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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			
Sump		3,398.48	3,398.48			
Station		4,030.00	4,030.00			
Drilling Timbering		1,230.00	1,230.00			
Bulldozing						
Crosscutting	$ 5,064.00	140,328.00	145,392.00			
Drifting Shaft		62,600.00	62,600.00			
Diamond Drilling		4,727.00	4,727.00			
Raising		23,135.00	23,135.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 5,064.00	253,758.48	258,822.48	5064.00	253758.48	258822.48

Approved: Betty 7/8/55 J.W.A.

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

Date June 14, 1955 *Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 2532.00

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

Date 6/27/55 Vou. No. 1546
(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. E4484 in accordance with the terms of the contract.

Signature 1st Eric G. Erickson Title Mining Engr. Date 6-24-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W. Zoldok Title Mining Engr. Date 6-27-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JUL - 5 1955

Month of MAY 1955 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								7/8/55 [illegible]
Crosscutting	Ft.	5064.00	105½	145,392.00	3,029	48.00	3505.8	48.00 ft
Raising				23,135.00	330½	70.00	330.5	70.00 ft
Shafts				62,600.00	313	200.00	313	200.00 ft
Winzes								
Drilling: Core				4,727.00	1,361½	3.43	1361.5	3.47 ft
Churn							2000	3.50 ft
Auger								
Stripping Pocket				5,187.00	3,900	1.33	3900'	1.33 cu ft
Trenching Station				4,030.00	6,200	.65	6200'	0.65 cu ft
Test Pits Sump				3,398.48	2,556	1.33	2556'	1.33 cu ft
Roads and Trails								
Timbering				1,230.00	246	5.00	246'	5.00 ft
TOTAL DISTRIBUTED COSTS		5064.00		249,699.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		1896.00		259,822.48				288710.00

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

Date June 14, 1955 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

151 Eric G Erickson

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED
JUL - 5 1955

DMEA 2917 - Hercules

SUMMARY OF PROGRESS IN MAY, 1955

During May the 1600 level Rambler drift was extended southwesterly from 2650.5 feet to 2756.0 feet, an advance of 105.5 feet. The drift followed a vein averaging 3.9 feet wide which assayed 1.1 oz. Ag., 2.3% Pb. and 3.1% Zn. A fault of northwesterly dip cut obliquely through the vein and ore of much better grade and width was disclosed beyond the fault late in the month.

The sub-commercial ore from the 1600 level was co-mingled with other ore reaching 1600 level for a total of 778 tons assaying 0.97 Ag., 2.36 Pb. and 1.29 Zn., on which DMEA receives royalty.

RF:mbr

Rollin Farmin
Assistant Manager

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 20 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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: Timbering		$ 1,230.00	$ 1,230.00			6/21/55. J.W.A.
Pocket		5,187.00	5,187.00			
Sump		3,398.48	3,398.48			
Drilling: Station		4,030.00	4,030.00			
Bulldozing						
Crosscutting	$ 1,896.00	138,432.00	140,328.00			
Drifting: Shaft		62,600.00	62,600.00			
Diamond Drilling		4,727.00	4,727.00			
Raising		23,135.00	23,135.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 1,896.00	$ 251,862.48	$ 253,758.48	1896.00	251862.48	253758.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 16, 1955 *Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 948.00

Signature MDP
(Authorized Certifying Officer)

Date 6-15-55 Vou. No. 1524
(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 1S/ Eric G Erickson Title Mining Engr. Date 5-27-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S/ Stephen H Goldok Title Mining Engr. Date 5-27-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 20 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$1,896.00	39½	$140,328.00	2,923½	48.00	3505.8	48.00 ft
Raising				23,135.00	330½	70.00	330.5	70.00 ft
Shafts				62,600.00	313	200.00	313	200.00 ft
Winzes								
Drilling: Core				4,727.00	1,361½	3.43	1361.5	3.47 ft
Churn							2000	3.50 ft
Auger								
Stripping Pocket				5,187.00	3,900	1.33	3900	1.33 cu ft
Trenching Station				4,030.00	6,200	.65	6200	0.65 cu ft
Test Pits Sump				3,398.48	2,556	1.33	2556	1.33 cu ft
Roads and Trails								
Timbering				1,230.00	246	5.00	246 ft	5.00 ft
TOTAL DISTRIBUTED COSTS		$1,896.00		$244,635.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		$1,896.00		$253,758.48				288 710.00

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

REMARKS:

Date May 16, 1955 Operator DAY MINES, INC.

Per [signature] Title Secretary

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

(Instructions on reverse)

(For Government use only)

Eric J. Erickson

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED
JUN 20 1955

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING APRIL, 1955

During April the 1600 level Rambler drift was extended southwesterly from 2611 to 2650.5 feet, an advance of 39.5 feet. This advance followed a faulted vein averaging 5.8 feet wide, carrying 0.8 oz. Ag., 1.9% Pb. and 2.6% Zn. Some additional water was encountered in the various branches of Hercules Fault and a raise was started on the footwall vein while the water courses were allowed to drain down.

The sub-grade ore from the Rambler drift was combined with other ore from 1600 level for a total of 771 tons, assaying 0.91 oz. Ag., 2.84% Pb. and 2.02% Zn., on which DMEA receives royalty.

RF:mbr

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
April 28, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 12 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The project was inspected April 20, 1955, accompanied by Mr. C. E. Sparks, mine superintendent, Mr. R. C. Thompson, mine foreman, and Mr. Hansen, mine geologist.

The drift west had been advanced a total of 106 feet since work was resumed. A water course was encountered about 50 feet back from the face and the flow of water caused a temporary shutdown of the drifting until pumping equipment to handle the additional flow was installed. The additional flow, although causing a temporary shutdown, is not serious and is handled with a small jet pump.

The drift face is still in ore and a sample of the face assayed 4% Pb and 3% Zn. The Operator is doing a thorough job of sampling. The drift is sampled by chip sampling and all rounds are car sampled. Although no tonnage figure has been calculated, sample assays indicate a substantial tonnage of commercial ore has been opened up. The Operator was starting off a raise in the "nose section" of the drift on the day of the inspection. As the raise advances, driven on company account, firmer ore reserve calculations can be made. Sample map and ore reserves will be submitted in a subsequent report. There is no doubt that the discovery to date justifies a broad certification of the project.

The Operator is paying royalty on ores extracted from the DMEA area of the mine, and it is indicated that this production will increase.

Not certified to date

Standard of work continues to be good.

Following is a tabulation of work items authorized by the contract, the number of units, and the work completed:

	Authorized	Completed
Drifting and crosscutting	3505.8 feet	2934 feet
Diamond drilling	2000 "	none
" "	1361.5 "	1361.5 "
Shaft sinking	313 "	313 "
Shaft station (1600 level)	6200 cu.ft.	6200 cu.ft.
Pocket and sump	6456 cu. ft.	6456 cu.ft.
Timbering	246 feet	246 feet
Raising	330.5 "	330.5 "

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

E. G. Erickson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division Street
Spokane 2, Washington
March 21, 1955

MAR 28 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The project site was inspected March 16, accompanied by Mr. Sparks, superintendent for Day Mines, Inc.

The work under the exploration project contract had been resumed and the west drift had been advanced 47 feet since the last inspection. Total drifting and crosscutting to date is 2,875 feet.

At the time of the visit the drift was not centered on the ore. It had about 3 feet of the footwall in the face. The ore was being slabbed off and exposures indicated the ore to be 5 to 6 feet wide and 8 to 12 percent combined lead and zinc. The ore is spotty but the present showing is very encouraging.

Amendment No. 3 to the contract, prepared in Washington, D.C., was forwarded to the Operator but it was returned by him with the proposed changes set forth in his letter of March 17, 1955, to the Executive Officer (see attached copy of letter).

It is recommended that the $4,170.00 remaining in the contract for timbering ($5,400.00 allowed for timbering in Amendment No. 3 less $1,230 approved to date) be allowed for performing additional drifting. The $4,170.00 will allow 86.875 feet of drifting @ $48/ft. Cost of any ground support will have to be borne by the Operator.

E. G. Erickson
E. G. Erickson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
EGE/he

DAY MINES, INC.

WALLACE, IDAHO

HENRY L. DAY
PRESIDENT

March 17, 1955.

			DATE
el			
Jack			
Gene			3/18/55

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

Re: Docket No. DMEA-2719 (lead-zinc)
Hercules Mine
Shoshone County, Idaho
Contract No. Idm-E484

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 28 1955

Dear Mr. Weissenborn:

Your letter of March 15th is acknowledged enclosing Amendment No. 3 proposed by the DMEA office in Washington, D. C. We find it in good order with one exception which may call for an improvement. I refer to the second and third lines on the bottom of the first page.

Original estimate of 1,080 feet of timbering at $5 per foot was made more or less by rule of thumb, before the shaft deepening even was started. Actual results obtained indicate that the estimate was more than four times as great as necessary.

246 feet of timbering has actually been done and it is most probable that this is all that would be required. It is suggested that the timbering item be changed accordingly and that the extra dollars available be included in drifting and crosscutting. I suggest, therefore, that these two lines referred to be changed to read as follows:

"3,505.79 ft. of drifts and crosscuts at $48/ft.	168,278.00
246 ft. of timbering at $5/ft.	1,230.00"

I am certain that at least this much drifting and crosscutting will be required for full development of the project. The total estimated cost and the 50% government participation need not be changed. I am returning herewith all six copies of proposed Amendment No. 3. If approved in the Spokane office, can you make the changes there?

Very sincerely yours,

Henry L. Day

RECEIVED
MAR 18 1955
U. S. G. S.
SPOKANE, WASH.

HLD:mbr
encs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

March 14, 1955

Memorandum

To: Field Team, Region I, Northwest District

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

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

I visited the Hercules mine the morning of March 9, 1955, with Garth Crosby, Day Mines' chief geologist.

The west drift on the 1600 level has been extended 30 feet. The vein-bearing zone is very wide, and the drift has been slabbed to a 15-foot width in search of the main hanging wall of the vein. This hanging wall was identified that morning.

The vein is very strong and composed mainly of the early gangue minerals (magnetite, pyrrhotite, biotite, amphibole, and garnet), but the vein contains perhaps 4.5 percent lead and zinc, mainly zinc.

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

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

Budget Bureau No. 42-R1036.5

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

Month of March, 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $288,710.00 Government Participation: 50 % Amount, $

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: Timbering		$ 1,230.00	$ 1,230.00			5/12/55 J.W.A.
Pocket		5,187.00	5,187.00			
Sump		3,398.48	3,398.48			
Drilling: Station		4,030.00	4,030.00			
Bulldozing						
Crosscutting	$1,872.00	136,560.00	138,432.00			
Drifting: Shaft		62,600.00	62,600.00			
Diamond Drill		4,727.00	4,727.00			
Raising		23,135.00	23,135.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1,872.00	$249,990.48	$251,862.48	1872 00	249990.48	251862.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 19, 1955 Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 936 00

Signature [signature]
(Authorized Certifying Officer)

Date 5-4-55 Vou. No. 1473
(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/ Eric G. Erickson Title Mining Engr. Date 4-26-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr. Date 4-26-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$1,872.00	39	$138,432.00	2,884	$48.00	3505.8	48/ft
Raising				23,135.00	330½	70.00	330.5	70/ft
Shafts				62,600.00	313	200.00	313'	200/ft
Winzes								
Drilling: Core				4,727.00	1,361½	3.43	1,366.5'	3.47/ft
~~Churn~~ Core							2000	3.50/ft
Auger								
Stripping Pocket				5,187.00	3,900	1.33	3900 ft²	1.33 cu ft
Trenching Station				4,030.00	6,200	.65	6200 ft²	0.65 cu ft
Test Pits Sump				3,398.48	2,556	1.33	2556 ft²	1.33
Roads and Trails								
Timbering				1,230.00	246	5.00	246'	5.00/ft
TOTAL DISTRIBUTED COSTS		$1,872.00		$242,739.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		$1,872.00		$251,862.48				288710.00

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

Date April 19, 1955 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

1S1 Eric G Erickson

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 DURING MARCH, 1955

During March the 1600 level Rambler drift was extended westerly from 2572 ft. to 2611 ft., an advance of 39.0 ft. A strong flow of water was encountered in a branch of the Hercules fault, at this point, and the work was suspended until additional pumping facilities were placed at the main shaft. The drift developed a strong vein averaging 4.5 ft. of lead-zinc ore.

1,096 tons of development ore, averaging 0.47 oz. Ag., 1.22% Pb., and 3.05% zn., were produced from the 1600 level and from the raise above 1600 level.

Rollin Farmin

Assistant Manager

RF:KAE

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

Budget Bureau No. 42-R1036.5

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

Month of February, 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Timbering		$ 1,230.00	$ 1,230.00			5/12/55 J. W. A.
Pocket		5,187.00	5,187.00			
Sump		3,398.48	3,398.48			
Drilling						
Bulldozing Station		4,030.00	4,030.00			
Crosscutting	$ 816.00	135,744.00	136,560.00			
Drifting Shaft		62,600.00	62,600.00			
Diamond Drill		4,727.00	4,727.00			
Raising		23,135.00	23,135.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 816.00	$249,174.48	$249,990.48	816.00	249174.48	249990.48

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

Date March 23, 1955 *Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 408.00

Signature MAP
(Authorized Certifying Officer)

Date 5-4-55 Vou. No. 1493
(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. 8484 in accordance with the terms of the contract.

Signature 1st Eric G Erickson Title Mining Eng Date 4-4-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok Title Mining Eng Date 4-5-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1955 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Ft.	$ 816.00	17	$136,560.00	2,845	48.00		
Raising	Ft.			23,135.00	330½	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,398.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$ 816.00		$240,867.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
TOTAL COSTS		$ 816.00		$249,990.48				

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 March 23, 1955 Operator DAY MINES, INC.

Per [signature] Title Secretary

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

REMARKS:

(Instructions on reverse)

(For Government use only)

151 Eric G Erickson

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 DURING FEBRUARY, 1955

During February a much improved showing of zinc-lead ore was developed in the 1600 level "Nose" area, near the west end of the earlier Project drifting, along the north side of the previous opening. The trackage was re-aligned and advance commenced late in the month on the new drifting authorized by Amendment No. 2, November 10, 1954. The 1600 level Rambler drift west advanced 17.0 feet, total 17.0 feet, in fair zinc-lead ore.

Development ore from the 1600 level activity amounted to 843 tons, assaying 0.24 oz. Ag., 0.51% Pb. and 1.52% Zn. The material was co-mingled with stope ore for milling.

RF:mbr

Rollin Farmin

Assistant Manager

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING JANUARY, 1955

No advance was made in DMEA-participating development work, although the drift at the west end of the 1600-ft. level was realigned preparatory to resuming westward advance. This work, together with other activity on the 1600-ft. level, produced 692 tons of sub-ore, which assayed 0.99 oz. Ag., 2.61% Pb. and 1.17% Zn. and will be co-mingled with stope ore for milling.

RF:mbr

Rollin Farmin

Assistant Manager

Day Mines, Inc.

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING DECEMBER, 1954

No advance was made on the DMEA-sponsored West Drift, pending completion of eastward 1600 level drifting and an untimbered ore pass from 1300 level. These activities produced 1259 tons of sub-ore which assayed 0.60 oz. Ag., 1.30% Pb. and 0.40% Zn. and was co-mingled with stope ore for milling.

RF:mbr

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
December 15, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

The project work was inspected December 2, 1954, accompanied by Mr. Hanson, mine engineer and geologist.

The raise had been completed; it measured 330.5 feet, track to track. The drift had not been advanced since the raising operation started.

The ore disclosed in the raise was rather disappointing. It was anticipated that the grade would increase from the low combination grade of 2% to about 6% above the midpoint of the raise. The change did not occur until about the 320-ft. point in the raise. The ore was spotty and narrow throughout the raise. All cars of rock from the raise are sampled.

The Operator is preparing a rock raise on the west end of the raise and preparing for sublevel stoping on the east end of the raise, all on company account. He also plans on straightening the west drift back from the present face, on company account, before performing the additional drifting approved by Amendment No. 2. The present face of the drift west is 62.3 feet beyond survey station No. 1624.

In view of the company account work planned by the Operator, a recession of the project work will be necessary. The present expiration date of the contract is August 5, 1955 which allows ample time, including a recess, to complete the remaining exploration work outlined in the contract, namely, 650 feet of drifting, 2000 feet of diamond drilling, and 200 feet of timbering (if necessary).

The Operator was requested to keep the Field Team informed of the progress and current plans for resuming the exploration project work by submitting a monthly narrative even though no contract work had been performed.

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

E. G. Erickson

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 1954 Docket No. DMEA 2719 Contract No. Idm - 1194
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $

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: Timbering		$ 1,230.00	$ 1,230.00			
Pocket		5,167.00	5,167.00			
Sump		3,323.48	3,323.48			
Drilling: Station		4,030.00	4,030.00			
Bulldozing						
Crosscutting		135,744.00	135,744.00			
Drifting: Shaft		62,500.00	62,500.00			
Diamond Drill		4,727.00	4,727.00			
Raising	3,290.00	19,845.00	23,135.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation		8,123.00	8,123.00			
(5) Initial Rehabilitation and Repairs		1,000.00	1,000.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$3,290.00	$221,891.48	$225,171.48	3290.00	245884.48	249174.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Dec. 14, 1954 *Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 1645.00

Signature [signature]
(Authorized Certifying Officer)

Date 1/6/55 Vou. No. 1394
(See other side)

RECEIVED
JAN 10 1955

(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/ Eric G. Erickson Title Mining Engr Date 12/16/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 12/23/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 4 Docket No. DMEA 2719 Contract No. Kdn - 1484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting				$ 135,744.00	2,828	48.00		
Crosscutting								
Raising	Ft.	3,290.00	47	23,135.00	330	70.00		
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core				4,727.00	1,351	3.43		
Churn								
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,398.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$ 3,290.00		$ 240,051.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				8,123.00				
Initial Rehabilitation and Repairs				1,069.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 3,290.00		$ 249,176.48				

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 Dec. 14, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING NOVEMBER, 1954

During November the raise above Hercules 1600 level was completed to the Hercules 1300 level, being extended from 283½ feet to 330½ feet, an advance of 47 feet.

The vein developed by this advance averaged 5.68 feet wide and was comprised mainly of iron-bearing minerals. The material broken averaged 0.70 oz. Ag. and 1.11% Pb., with negligible zinc, and the portion that was drawn from the raise was co-mingled with stope ore from 1000 level for milling. Its value will be reported subsequently.

RF:mbr

Rollin Farmin

Assistant Manager

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

Budget Bureau No. 42-R1036.5

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1954

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

Month of October 1954 Docket No. DMEA 2719 Contract No. Idm - 1464
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 288,710.00 Government Participation: 50 % Amount, $144,355.00

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: Timbering		$ 1,230.00	$ 1,230.00			
Rocket		5,187.00	5,187.00			
Sump		3,398.48	3,398.48			
Station		4,030.00	4,030.00			
Drilling						
Bulldozing						
Crosscutting		135,744.00	135,744.00			
Drifting Shaft		62,600.00	62,600.00			
Diamond Drill		4,727.00	4,727.00			
Raising	$ 4,690.00	15,155.00	19,845.00			12/27/54 J.M.G.
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 4,690.00	$ 241,194.48	$ 245,884.48	4,690.00	241,194.48	245,884.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Nov. 22, 1954 *Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 2345.00

Signature [signature]
(Authorized Certifying Officer)

Date 12/16/54 Vou. No. 1377
(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/ Eric G Erickson Title Mining Engr Date 12/3/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 12/6/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1954 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.			$135,744.00	2,828	48.00		
Crosscutting	"	$4,690.00	67	19,845.00	283½	70.00		
Raising	"			62,600.00	313	200.00		
Shafts								
Winzes				4,727.00	1,361½	3.43		
Drilling: Core								
Churn								
Auger								
Stripping Pocket				5,187.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,398.48	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
Total Distributed Costs		$4,690.00		$236,761.48				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.				1,000.00				
Total Costs		$4,690.00		$245,884.48				

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 Nov. 22, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - Hercules

SUMMARY OF PROGRESS IN OCTOBER, 1954

During October the raise above Hercules 1600 level was extended from 216.5 feet to 283.5 feet, an advance of 67 feet. The vein developed by this advance averaged 4.9 feet wide and assayed 0.7 oz. Ag., 1.1% Pb., 0.1% Zn. and carries everywhere a large proportion of valueless iron-bearing minerals.

The sub-marginal material from the raise was co-mingled with stope ore from 1000 level for milling; the value will be reported subsequently.

RF:mbr

Rollin Farmin

Assistant Manager

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DMEA 2719 Contract No. Idm - 2484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50% Amount, $ 121,430.00

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: Timbering		1,230.00	1,230.00			11/18/54 J.W.A.
Pocket		5,187.00	5,187.00			
Drilling: Sump		3,398.48	3,398.48			
Bulldozing: Station		4,030.00	4,030.00			
Crosscutting		135,744.00	135,744.00			
Drifting: Shaft		62,600.00	62,600.00			
Diamond Drill		4,727.00	4,727.00			
Raising	4,585.00	10,570.00	15,155.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,585.00	236,609.48	241,194.48	4585.00	236609.48	241 194.48

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

Date Oct. 12, 1954 *Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 2292 50

Signature MAP
(Authorized Certifying Officer)

Date 11/8/54 Vou. No. ~~1346~~ 1345
(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 1st Eric G. Erickson Title Mining Eng. Date 10/15/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W. Zoldok Title Mining Eng. Date 10/18/54 when Amendment No 2 is signed.

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 2719 Contract No. Idm-R434

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.			$135,744.00	2,828	$ 48.00		
Crosscutting	"	$4,585.00	65½	15,155.00	216½	70.00		
Raising	"			62,500.00	313	200.00		
Shafts								
Winzes								
Drilling: Core				4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket				5,167.00	3,900	1.33		
Trenching Station				4,030.00	6,200	.65		
Test Pits Sump				3,398.00	2,556	1.33		
Roads and Trails								
Timbering				1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$4,585.00		$232,071.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				8,123.00				
Initial Rehabilitation and Repairs				1,000.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$4,585.00		$241,194.00				

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

Date Oct. 12, 1954 Operator DAY MINES, INC.

Per S. Kleckner Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 - Hercules

Summary of Progress in September, 1954.

During September, the raise above Hercules 1600 level was extended from 151.0 to 216.5 feet, an advance of 65.5 feet. It followed a vein 5.1 feet wide of average assay 0.7 oz. Ag., 1.2% Pb. and 0.4% Zn. The gangue is chiefly iron minerals. Material broken in the raise was co-mingled with stope ore from the 1000 level for milling; the value will be reported upon receipt of smelter returns.

RF:mbr

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
September 28, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

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

Mr. G. Crosby, company geologist, was contacted September 10. The raise had been advanced a total of 170 feet.

The raise rock for the first 150 feet averaged about 1 oz. Ag and 3% combined lead and zinc. Records of production from levels above indicate the grade of ore should start to improve to about 6% combined lead and zinc. Mr. Crosby reported the last round showed some improvement.

Rock treated from DMEA headings previously has been treated separately and the smelter (buyer) has made royalty deductions and forwarded checks to Mr. A. E. Weissenborn, Executive Officer, Region II. Production from royalty lien area is presently being commingled with other company production not subject to royalty. The grade of the DMEA development ore is considerably less than other production, and it is not possible to determine the amount of concentrates subject to DMEA royalty at the time of shipment. Therefore, the Operator will compute the amount of royalty due and pay the Government by company check. Complete records of grade and tonnage of royalty lien ore are kept. The Operator has been asked to furnish a copy of settlement sheets and his calculations of Government royalties with royalty check.

Mr. R. Farmin, general manager for Day Mines, Inc., was contacted prior to the commingling of the ores and he was informed of the necessity of keeping reliable records. The company operating records are complete and will be reviewed upon the next inspection of the project.

E. G. Erickson

E. G. Erickson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
EGE/he

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED SEP 27 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1954 Docket No. DMEA 2719 Contract No. Idm - E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50 % Amount, $ 121,430.00

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: Timbering	$ .00	$ 1,230.00	$ 1,230.00			10/7/54. J.W. ALD.
Drilling: Pocket	.00	5,187.00	5,187.00			
Bulldozing: Sump	.00	3,398.48	3,398.48			
Crosscutting: Station	.00	4,030.00	4,030.00			
Drifting:	.00	135,744.00	135,744.00			
Shaft	.00	62,600.00	62,600.00			
Diamond Drill	.00	4,727.00	4,727.00			
Raising	3,430.00	7,140.00	10,570.00	3430.00	7140.00	10570.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 3,430.00	$233,179.48	$236,609.48	3430.00	233179.48	236609.48

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

Date Sept. 11, 1954 *Payee DAY MINES, INC.

Per [signature] Title Asst. Secretary

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

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

(Instructions on reverse)

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

$ 1715.00

Signature MJP
(Authorized Certifying Officer)

Date 9/23/54 Vou. No. 1292
(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 151 Eric G Erickson Title Mining Engr Date 9/20/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W Zoldok Title Mining Engr Date 9/20/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 27 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 2719 Contract No. Idm - E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.			$135,744.00	828	$ 48.00		
Raising	"	$3,430.00	49	10,570.00	151	70.00		
Shafts	"			62,600.00	313	200.00		
Winzes								
Drilling: Core				4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu. Ft.			5,187.00	3,900	1.33		
Trenching Station	" "			4,030.00	6,200	.65		
Test Pits Sump	" "			3,398.48	2,556	1.33		
Roads and Trails								
Timbering	Ft.			1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$3,430.00	49	$227,486.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1,000.00				
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$3,430.00		$236,609.48				

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 Sept. 11, 1954 Operator DAY MINES, INC.

Per [signature] Title Asst. Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - Hercules

Summary of Progress in August, 1954

During August, the raise above Hercules 1600 level was extended from 102 to 151 feet above the rail, an advance of 49 feet. The vein developed by this advance averaged 3.7 feet in width of sub-grade lead ore, from which 542 tons were produced which assayed 0.2 oz. Ag., 0.9% Pb. and 0.1% Zn. This material was co-mingled with stope ore for milling and its value will be reported after smelter returns have been received.

RF:mbr

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
August 6, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Day Mines, Inc. (Hercules Mine)
Docket DMEA 2719, Contract Idm-E484

Mr. R. Farmin, General Manager of Mines for Day Mines, Inc., was contacted at the company office in Wallace, Idaho, on July 27, 1954 regarding unit prices for the additional proposed work.

Hercules mine costs were reviewed and Mr. Farmin was asked to submit a breakdown of costs for raising and drifting at the Hercules mine. He was informed that it was to justify the present agreed unit costs proposed to be used for the additional work. He is not attempting to revise the agreed unit costs upward. It is recommended that $48/ft for drifting and $70/ft. for raising be allowed if the proposed additional work is approved.

The project site was inspected July 28, 1954 accompanied by Mr. R. Thompson, mine foreman, and two F.O.A. trainees from Thialand, Mr. Sangad Tailanga and Sampop Chandraprabha.

The drift west had been advanced 62 feet beyond company survey station No. 1624. The drift east face was 78 feet east of survey station No. 1616 and both drifts were inactive for the present.

The raise had been advanced a total of 93 feet. The standard of work is good.

The drifts will be continued when the proposed additional work outlined in a letter dated July 6, 1954 to Mr. A. E. Weissenborn is approved.

E. G. Erickson

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

SEP 13 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 1954 Docket No. DMEA 2719 Contract No. Idm E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50 % Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Timbering $	.00	1,230.00	1,230.00			
Pocket	.00	5,187.00	5,187.00			
Drilling Sump	.00	3,398.48	3,398.48			
Bulldozing Station	.00	4,030.00	4,030.00			
Crosscutting	.00	135,744.00	135,744.00			
Drifting Shaft	.00	62,600.00	62,600.00			
Diamond Drill	.00	4,727.00	4,727.00			
Raising	4,550.00	2,590.00	7,140.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS $	4,550.00	228,629.48	233,179.48	4550.00	228629.48	233179.48

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

Date Aug. 10, 1954 Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

2275.00

$ 2275.00

Signature [signature]
(Authorized Certifying Officer)

Date 9/10/54 Vou. No. 1272
(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) Eric G Erickson Title Mining Engr Date 8/23/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W Zoldok Title Mining Engr Date 9/8/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1954 Docket No. DMEA 2719 Contract No. Idm E 484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.			$135,744.00	828	48.00		
Raising	"	$4,550.00	65	7,140.00	102	70.00		
Shafts	"			62,600.00	313	200.00		
Winzes								
Drilling: Core	"			4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu.Ft.			5,187.00	3,900	1.33		
Trenching Station	" "			4,030.00	6,200	.65		
Test Pits Sump	" "			3,398.48	2,556	1.33		
Roads and Trails								
Timbering	Ft.			1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$4,550.00	65	$224,056.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1,000.00				
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$4,550.00		$233,179.48				

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 Aug. 10, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 - Hercules

Summary of Progress in July, 1954

During July, the raise above 1600 level was extended from 37 feet to 102 feet, an advance of 65 feet. The raise followed a vein which averaged 4.1 ft. wide of low grade lead ore. The ore produced from the raise in July totalled 801 tons, averaging 1.3 oz. Ag., 2.9% Pb. and 1.2% Zn. This ore was co-mingled with higher grade stope ore for milling; its value for computation of 5% royalty to DMEA will be computed and reported later, after smelter returns have been received.

RF:mbr

Rollin Farmin

Assistant Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

July 19, 1954

Memorandum

To: DMEA Field Team, Region II

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

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

I visited the mine July 16, 1954, with Dick Phillips, company geologist. The raise is the only activity on the 1600 level.

The raise was up 73 feet and initial rounds for a sublevel were being prepared. The vein at this point is 7 feet wide; 1½ feet on the hanging wall side is high-grade zinc, the remainder may go 3 to 4 percent combined in a magnetite and pyrrhotite gangue. The ore does not look greatly different from that on the 1000 level, or some of the higher levels I have been on.

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Fryklund
Quinlan

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 June, 1954 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50% Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form — Timbering	$ 1,230.00	$ .00	$ 1,230.00	1230.00	— o —	1230.00
Drilling — Pocket	.00	5,187.00	5,187.00		5187.00	5187.00
Bulldozing — Sump	.00	3,398.48	3,398.48		3398.48	3398.48
Crosscutting — Station	.00	4,030.00	4,030.00		4030.00	4030.00
Drifting — Shaft	3,096.00	132,648.00	135,744.00	3096.00	132648.00	135744.00
Diamond Drill	.00	62,600.00	62,600.00		62600.00	62600.00
Raising	.00	4,727.00	4,727.00		4727.00	4727.00
(2) Labor and Supervision:	2,590.00	.00	2,590.00	2590.00	— o —	2590.00
Labor						8/23/54 J.W.A.
Supervision						
Technical Services						Betty
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00		8123.00	8123.00
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00		1000.00	1000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 6,916.00	$ 221,713.48	$ 228,629.48	6916.00	221713.48	228629.48

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

Date July 8, 1954 Payee DAY MINES, INC.

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 3458.00

Signature [signature]
(Authorized Certifying Officer)

Date 8/16/54 Vou. No. 1246
(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/ Eric H Erickson Title Mining Eng Date 7/30/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Eng Date 8/2/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 4 Docket No. DMEA 2719 Contract No. Idm - E484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$ 3,096.00	64½	$ 135,744.00	828	$ 48.00		
Raising	"	2,590.00	37	2,590.00	37	70.00		
Shafts	"			62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.			4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu.Ft.			5,187.00	3,900	1.33		
Trenching Station	" "			4,030.00	6,200	.65		
Test Pits Sump	" "			3,398.48	2,556	1.33		
Roads and Trails								
Timbering	Ft.	$ 1,230.00	246	1,230.00	246	5.00		
TOTAL DISTRIBUTED COSTS		$ 6,916.00		$ 219,506.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		.00		1,000.00				
Initial Rehabilitation and Repairs		.00		8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		~~$ 6,916.00~~		~~$ 228,629.48~~				

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 July 8, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

DMEA 2719 - Hercules

Summary of Progress during June, 1954

During June, the Hercules 1600 level was extended from 5.0 ft. to 69.5 ft. eastward from the Mercury crosscut, an advance of 64.5 ft. in narrow lead ore.

Ground support of the drifts and crosscuts has been accomplished by rock bolting, in lieu of conventional timbering, and is herewith reported in aggregate as 246 ft. of supported drift at $5.00 per ft.

Raise No. 377 was started from 1600 level, about 40 ft. west of the Mercury crosscut and 6 ft. south of the drift. It was advanced 37 ft. during June in fair lead ore. This raise is comprised of two timbered compartments and two adjoining, untimbered "joker chutes".

RF:mbr

ROLLIN FARMIN

Assistant Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

June 8, 1954

Memorandum

To: DMEA Field Team, Region II

From: J. J. Quinlan, Geologist, U. S. Geological Survey

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

The Hercules exploration project was inspected May 11, 1954, in company with Mr. Farmin, assistant manager; Mr. Thompson, mine foreman; Mr. Phillips, mine geologist; and Mr. Reno, U. S. Bureau of Mines. The company's geologic and assay records of the project were also examined. Attached to this memorandum are copies of the following company maps: 100 scale geologic map of the 1600 level; 20 scale geologic map of 1600 level west drift along the Hercules vein segment between the Hercules and Mercury faults, on which we have posted the company's assay data; 20 scale assay plan of the Hercules vein in the vicinity of survey station No. 1606 (785 feet west of the 1600 level shaft station); and 20 scale assay plan of the Hercules vein in the vicinity of survey station No. 1612 (1,318 feet west of 1600 level shaft station).

The 1600 level west drift along the Hercules vein segment between the Mercury and Hercules faults has been advanced 580 feet west of the crosscut. The vein exposed along this section of the drift strikes west and dips 61° to 82° south. The vein structure is strong and well defined but, for the most part, it contains ore of low grade. The principal vein minerals are grunerite, garnet, magnetite, siderite, pyrite, sphalerite, and galena. The sphalerite and galena occur as lenses and stringers within the vein structure. The ore stringers within the vein structure are more or less parallel to the strike and dip of the vein. Several of these ore stringers were exposed in the footwall portion of the vein at the face at the time of the inspection. Numerous small cross fractures cut the vein at this point giving an impression that the ore stringers cross the vein, whereas closer examination shows them to parallel the vein. A 2-foot cut sample across the footwall portion of the vein assayed 0.3 ounce silver, 0.5 percent lead, and 5.2 percent zinc. A 4.6-foot cut sample across the remaining hanging wall portion of the vein assayed 0.02 ounce silver, 0.3 percent lead, and 0.6 percent zinc.

With the exception of a short section where the vein segment between the Hercules and Mercury faults was first cut, (vicinity of survey station No. 1616) the ore is low grade (see attached assay plans). However, the operator has found it advantageous to mill a portion of the low-grade material from the exploration heading. Tabulated below is the tonnage and grade of material from the exploration heading milled in February, March, and April.

Month	Estimated Tons Milled	Heads Ag (oz.)	Pb (percent)	Zn (percent)
February 1954	413	0.45	0.65	0.14
March	368	0.40	1.15	0.34
April	1,938	0.62	0.42	0.18

The operator reported that only a lead concentrate is being made. One 40+ ton car of concentrates has been made to date and is ready for shipment.

As of May 11, 1954, approximately 2,600 feet of drifting and crosscutting had been completed on the 1600 level. The contract, as amended, permits 2,640 feet of drifting and crosscutting plus an additional amount of drifting at the expense of raising if the original 2,640 feet of drifting and crosscutting fails to disclose a suitable place to raise on ore. If all the funds provided for raising in the contract were converted to drifting this would permit an additional 466.6 feet of drifting. As a suitable site for a raise on ore has not been found, it is apparent that it will be advisable to continue drifting at the expense of raising.

Enclosures

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

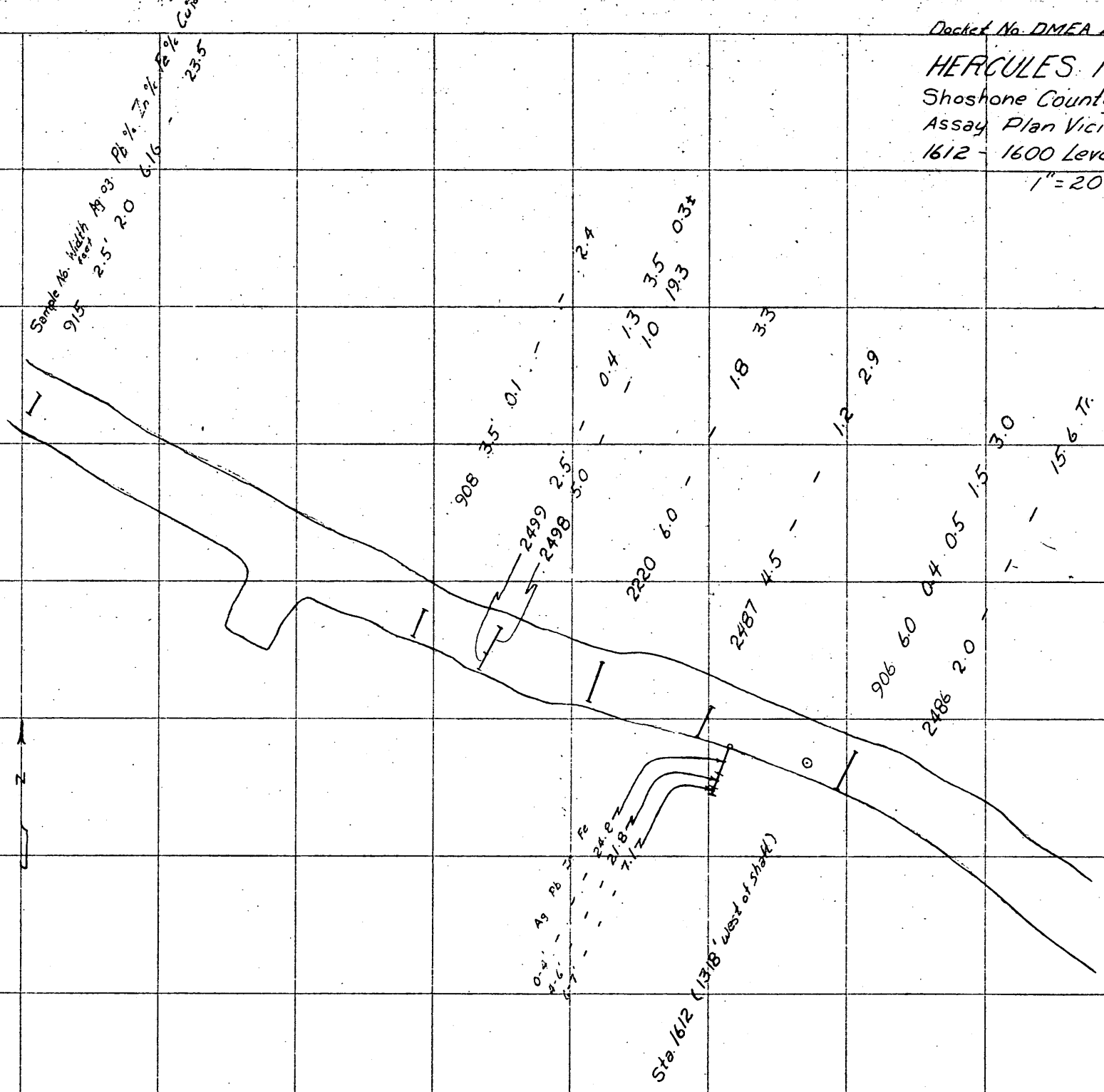
Docket No. DMEA 2719

HERCULES MINE

Shoshone County, Idaho

Assay Plan Vicinity Sta. 1612 - 1600 Level West

1" = 20'

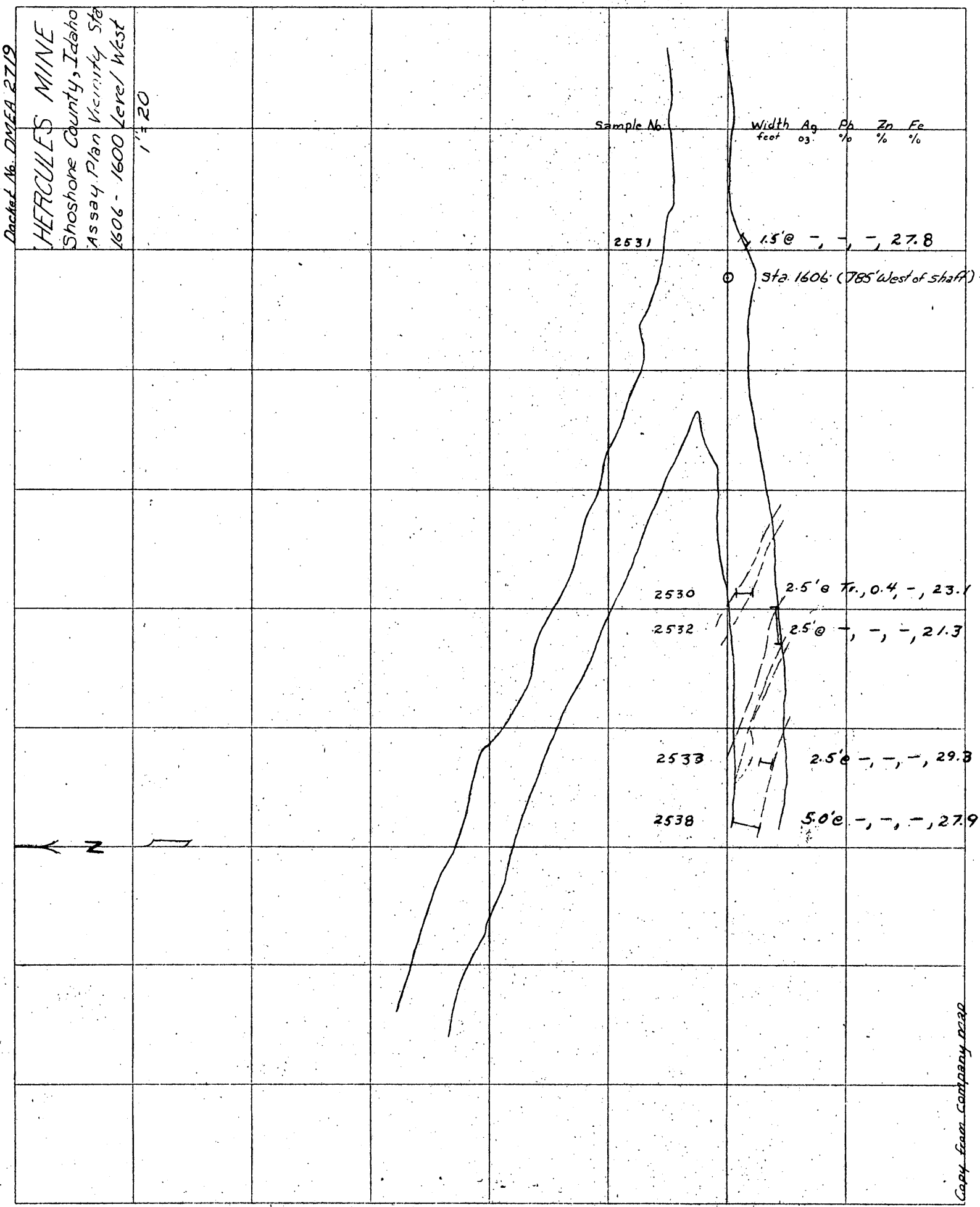


Copy from company map

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

Docket No. DMEA 2719

HERCULES MINE
Shoshone County, Idaho
Assay Plan Vicinity Sta
1606 - 1600 Level West
1" = 20'



Copy from Company map

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1954 Docket No. DMEA 2719 Contract No. Idm E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50% Amount, $ 121,430.00

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	$ .00	$ 5,187.00	$ 5,187.00			~~Pocket~~
Drilling: Sump	.00	3,398.48	3,398.48			
Bulldozing: Station	.00	4,030.00	4,030.00			Betty
Crosscutting	12,000.00	120,648.00	132,648.00			
Drifting: Shaft	.00	62,600.00	62,600.00			6/25/54 J.W. app.
Diamond Drill	.00	4,727.00	4,727.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 12,000.00	$ 209,713.48	$ 221,713.48	12000.00	209713.48	221713.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 2, 1954 Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 6000 00
Signature Myrtle J. Purdy (Authorized Certifying Officer)
Date 6/15/54 Vou. No. 1176
(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/ Eric G. Erickson Title Mining Engr. Date 6/7/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 6/8/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 2719 Contract No. Idm E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Ft.	$ 12,000.00	250	$132,648.00		48.00		
Raising								
Shafts	Ft.			62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.			4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu.Ft.			5,187.00	3,900	1.33		
Trenching Station	"			4,030.00	6,200	.65		
Test Pits Sump	"			3,398.48	2,556	1.33		
Roads and Trails								
Total Distributed Costs		$ 12,000.00		$212,590.48				Total Costs Authorized by Contract
Installation								
Operating Equipment ~~Purchased~~		.00		1,000.00				
Initial Rehabilitation and Repairs		.00		8,123.00				
New Buildings, Improvements, etc.								
Total Costs		$ 12,000.00		$221,713.48				

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 June 2, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 Hercules

Summary of Progress during May, 1954

During May, the Hercules 1600 level was extended westerly from 2363 feet to 2608 feet, an advance of 245 feet. The central portion of this advance was in marginal ore but the first and last portions were on barren vein. The west heading was stopped and a drift easterly was started, from a point 1870 feet west of the shaft station, and was advanced 5 feet in marginal ore. Total 1600-level advance for the month was 250.0 feet.

It now appears that the raise from 1600 to 1300 level may be driven from the new easterly drift instead of from the disappointing westerly drift.

Part of the vein material excavated in the drift was milled during the month but the resulting concentrates have not yet reached the East Helena smelter, which is strike-bound.

RF:mbr

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
May 12, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: H. T. Reno, Mining Engineer, Bureau of Mines

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

The project was inspected May 11, accompanied by Mr. R. Farmin, assistant manager, Mr. Thompson, mine foreman, Mr. Phillips, mine geologist, and Mr. Quinlan, U.S.G.S.

The 1600 level west drift was advancing through what at best could be considered marginal ore. At the heading the vein contained a few seams of galena 1/2 to 1 inch wide and some sphalerite. The galena seams, however, appeared to cross the vein about at right angles and gave no indication of continuing along the vein. It is now very much apparent that it is to the advantage of the Government to defer the proposed raise and continue drifting.

Of interest is the Operator's method of setting slide rails for the mucking machine. The track rails are staggered, the ends being placed as near as possible opposite the middle of the adjacent rail. The slide rails are set upside down (the ball down and the flange up), and attached to the track rails by one clamp tightened with a removable wedge. Ties are set as the rails are advanced and a regular track spike temporarily set on the outsides to guide the rails and maintain the gauge. The slide rails are easily moved by knocking the wedge out of the clamp and pushing them ahead with the mucking machine.

This system has the advantage of not deforming the rails, of simplifying bending the slide rails, and making the slide rails at all times interchangeable with and available for track rails.

The standards of work and housekeeping at this mine are excellent.

Horace T. Reno

Horace T. Reno

Orig. & 3 cys - Wash.
USGS (2)
DMEA
MD
AD
Engr

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

1201 N. Division St.
Spokane 2, Washington
May 4, 1954

MEMORANDUM

bad news!

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Day Mines, Inc., Hercules Mine, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

The exploration project was inspected April 27, 1954 accompanied by Mr. R. Phillips, mine geologist.

The drift had been continued westerly 135 feet beyond survey station 1619, an advance of 418 feet since the last inspection, making the total drifting and crosscutting 2480 feet. The contract stipulates 2640 feet of drifting and/or crosscutting.

Results of the drifting to date have been very discouraging. The vein where first cut has proven to be the best ore found to date. Grade of ore since the first samples taken of the vein has dropped to 1% Pb and less over the width of the drift.

A higher than average grade sample was taken for petrographic analysis (see attached results); it was also assayed and found to contain 0.10 oz. Au, 6.5 oz. Ag, 18.7% Pb, and 0.11% Zn. This sample does not represent a significant tonnage. A sample map is being prepared and will be submitted with a subsequent report.

The drifting to date is 95% complete and has been too disappointing to encourage raising. The Operator has proposed drifting be continued with funds originally allotted for raising. The Field Team has prepared an amendment to allow the proposal. Unless more promising results are disclosed it is doubtful raising will be done.

should be enough funds, wait for decision!

Following is a tabulation of work items allowed by the contract, estimated cost, and percentage completed:

Item of Work	Allowed cost	% completed
1. to		
6. incl.	$ 84,338.48	100
7. Drifting and crosscutting	126,720.00	95
8. Timbering of drifts and crosscuts	4,400.00	none
9. (Changed by amendment to read) Raising, 320 feet @ $70/ft. or drifting 468.75 feet @ $48/ft.	22,400.00	none
10. Diamond drilling	5,000.00	94½ 1/

1/ Based on total of $5000 allowed.

E. G. Erickson

E. G. Erickson

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

H. J. Hundhausen, Mining Engineer, Mining Division, Region II
Acting Head, Petrographic Section

April 13, 1954

Sample RH2-11, Hercules Mine, Shoshone County, Idaho

This sample is a contact-metamorphic rock consisting of grunerite, galena, magnetite, and pyrrhotite, with small amounts of garnet, epidote, and traces of chalcopyrite, calcite, and quartz.

Polished surface and thin section studies reveal a very intimate association of the ore minerals with the metamorphic silicates. The close mineral relationships that exist in this particular sample indicate essentially contemporaneous genesis with galena being one of the later minerals to form. This sample is classified, therefore, as a contact-metamorphic lead ore.

H. B. Hess

RECEIVED
APR 1954
APPLIED FIELD

HBH:rr
cc: MF
WI
MWH

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1954 Docket No. DMEA 2719 Contract No. Idm E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50 % Amount, $ 121,430.00

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	$ .00	5,187.00	5,187.00			
Drilling: Sump	.00	3,398.48	3,398.48			
Bulldozing: Station	.00	4,030.00	4,030.00			
Crosscutting	13,848.00	106,800.00	120,648.00			5/24/54 J.W.C.
Drifting: Shaft	.00	62,600.00	62,600.00			
Diamond Drill	.00	4,727.00	4,727.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.	.00	1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 13,848.00	195,865.48	209,713.48	13848.00	195865.48	209713.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 11, 1954 *Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 6924.00

Signature [signature] (Authorized Certifying Officer)

Date 5/18/54 Vou. No. 1167 (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/ Eric G. Erickson Title Mining Eng. Date 5/13/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Eng. Date 5/13/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 2719 Contract No. Idm E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Ft.	$13,848.00	288½	$120,648.00	2,513½	48.00		
Raising								
Shafts	Ft.	.00		62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.	.00		4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu.Ft.	.00		5,187.00	3,900	1.33		
Trenching Station	" "	.00		4,030.00	6,200	.65		
Test Pits Sump	" "	.00		3,398.48	2,556	1.33		
Roads and Trails								
Total Distributed Costs		$13,848.00		$200,590.48				Total Costs Authorized by Contract
Operating Equipment Installation ~~Purchased~~		.00		1,000.00				
Initial Rehabilitation and Repairs		.00		8,123.00				
New Buildings, Improvements, etc.								
Total Costs		$13,848.00		$209,713.48				

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 11, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA 2719 - Hercules

Summary of Progress during April, 1954

During April, the Hercules 1600 level was extended from 2074.5 to 2363 feet west of the station, an advance of 288.5 feet.

The vein developed by this advance is made up principally of iron minerals and quartz, carrying only a small proportion of galena and sphalerite. Part of the development material has been milled, to provide a check on sampling of the vein, but as yet none of the mill concentrates have been shipped to the smelter.

Rollin Farmin

RF:mbr

Assistant Manager

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 29 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1954 Docket No. DMEA 2719 Contract No. Idm B 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,060.00 Government Participation: 50 % Amount, $ 121,430

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Pocket	$ .00	$ 5,187.00	$ 5,187.00			
Bulldozing Sump	.00	3,398.48	3,398.48			
Crosscutting	16,272.00	90,528.00	106,800.00	16272.00		
Drifting Station	.00	4,030.00	4,030.00			
Shaft	.00	62,600.00	62,600.00			
Diamond Drill	.00	4,727.00	4,727.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 16,272.00	$179,593.48	195,865.48	16272.00	179593.48	195865.48

Paid
5/3/54 J.W. Ott

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 9, 1954 Payee DAY MINES, INC.
Per [signature] Title Secretary

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 8136.00
Signature [signature] (Authorized Certifying Officer)
Date 4/23/54 Vou. No. 1141
(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 1st Eric G. Erickson Title Mining Engr. Date 4/16/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W. Zoldok Title Mining Engr. Date 4/16/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 29 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 2719 Contract No. Idm E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Ft.	$ 16,272.00	339	$ 106,800.00	2,225	48.00		
Raising								
Shafts	Ft.	.00		62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.	.00		4,727.00	1,361½	3.43		
Churn								
Auger								
Stripping Pocket	Cu.Ft.	.00		5,187.00	3,900	1.33		
Trenching Station	"	.00		4,030.00	6,200	.65		
Test Pits Sump	"	.00		3,398.48	2,556	1.33		
Roads and Trails								
Total Distributed Costs		$ 16,272.00		$ 186,742.48				Total Costs Authorized by Contract
Installation Operating Equipment ~~Purchased~~		.00		1,000.00				
Initial Rehabilitation and Repairs		.00		8,123.00				
New Buildings, Improvements, etc.								
Total Costs		$ 16,272.00		$ 195,865.48				

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 April 9, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

[illegible]

CMEA 2719 Hercules

Summary of Progress during March, 1954

During March, the Hercules 1600 level was extended northerly, as a crosscut, from 1745.5 feet to 1882.5 feet, an advance of 137 feet. The vein was encountered and a drift was extended westerly along it from 1872.5 feet to 2074.5 feet, an advance of 202 feet. Total advance for the month was 339 feet.

The vein is of marginal lead-zinc ore grade where it first was exposed by the crosscut, but the values diminish to the west where the vein is composed predominantly of iron minerals. The same pattern was observed in the comparable length of the 1300 level so we are not unduly discouraged.

Rollin Farmin

RF:mbr

Assistant Manager

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

1201 N. Division St.
Spokane 2, Washington
March 29, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Day Mines, Inc., Hercules Mine, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

The exploration project was inspected March 17, accompanied by Mr. Thomson, mine foreman, and Mr. R. Phillips, mine geologist.

The 1600 level west drift, directed to cut the faulted segment of the vein, reached the objective about 140 feet beyond Survey Station No. 1615. The vein is sheared and broken, and assays of samples taken indicate approximately the same grade of ore (6 - 8% combined lead and zinc) as was last mined from the same segment of vein on the levels above.

The Operator is presently drifting westward and also intends to drift eastward to the fault. Projections of vein and the Mercury and Hercules faults indicate a vein segment having a strike length of about 1000 feet between faults on the 1600 level. There is about 200 feet of vein east of the point of intersection on 1600 level and about 800 feet to the west.

The raise allowed by the contract in all probability will be started just east of the point of intersection with the vein. The raise will be spotted to hole the 1300 intermediate level west of the easterly-dipping Mercury fault.

Following is a tabulation of work items allowed by the contract, estimated cost and percentage completed:

Item of Work	Allowed cost	% completed
1. to 6. incl.	$84,338.48	100
7. Drifting and crosscutting, 2640 feet @ $48/ft.	126,720.00	78
8. Timbering of drifts and crosscuts, 880 ft. @ $5/ft.	4,400.00	none
9. Raising, 320 feet @ $70/ft.	22,400.00	none
10. Diamond drilling est. 1000 ft. @ $5/ft.	5,000.00	94½ 1/

1/ Based on total of $5000 allowed.

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

E. G. Erickson
E. G. Erickson

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February 28, 1954 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50 % Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Pocket	$ .00	$ 5,187.00	$ 5,187.00			
Bulldozing Sump	.00	3,398.48	3,398.48			
Crosscutting	14,808.00	75,720.00	90,528.00			
Drifting Station	.00	4,030.00	4,030.00			
Shaft	.00	62,600.00	62,600.00			
Diamond Drill	.00	4,727.00	4,727.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 14,808.00	$ 164,785.48	$ 179,593.48	14,808.00	164,785.48	179,593.48

Approved: Betty 4/6/54 J.W.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Mar. 16, 1954 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 7404.00

Signature [signature]
(Authorized Certifying Officer)

Date 3/24/54 Vou. No. 1117
(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/ Eric G. Erickson Title Mining Engr Date 3/22/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 3/23/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1954 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	$ 14,808.00	308½	$ 90,528.00	1,886	$ 48.00		
Raising								
Shafts	Ft.	.00		62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.	.00		4,727.00	1,361½	3.43		
Churn								
Auger								
~~Sump~~ Pocket	Cu. Ft.	.00		5,187.00	3,900	1.33		
~~Pocket~~ Station	"	.00		4,030.00	6,200	.65		
~~Pocket~~ Sump	"	.00		3,398.48	2,556	1.33		
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 14,808.00		$ 170,470.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Installation								
Operating Equipment		.00		1,000.00				
Initial Rehabilitation and Repairs		.00		8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 14,808.00		$ 179,593.48				

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 Mar. 16, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DMEA 2719 Hercules

Summary of Progress during February, 1954

During February the Hercules 1600 level was extended from 1437.0 ft. to 1745.5 ft. west of the station, an advance of 308.5 ft. Additional excavation of 1645 cu. ft. was made for car transfers.

The Mercury fault cut off the barren Hercules vein at 1610 ft., after which approximately 300-ft. of crosscut will be required to reach the offset segment of vein, in which ore is expected.

Rollin Farmin

RF:mbr

Assistant Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
February 26, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Day Mines, Inc., Hercules Mine, Shoshone County, Idaho, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

The exploration project was inspected February 23, 1954, accompanied by Mr. Thompson, mine foreman.

The 1600 drift westerly had been advanced 304 feet since the last inspection on January 14, for a total of 741 feet of drifting from the crosscut.

The Mercury fault was cut 75 feet back of the present face. Only minor mineralization has been exposed by the drifting to date. Because of the high cost of waste disposal, due to snow conditions, some of the rock from the drift was milled and run into the creek. The grade of the rock milled is estimated at less than 1%. An attempt was made to recover some mineral. Results of the milling will be reported in a subsequent report.

The drift is now directed toward the projected segment of the vein between the Mercury and the Hercules faults. The remaining distance to the vein is estimated to be 220 feet.

The present operation is 7 days, with 2 shifts per day, making a total of 14 shifts per week. Previous operation was 6 days with 3 shifts or a total of 18 shifts per week. This schedule allows miners on two shifts a full 5-day week but the swing shift works only 4 days. The loss of 4 shifts per week will reduce the advance to about 300 feet monthly.

Slabby ground near the fault caused some overbreak, and it was necessary to resort to roof bolts for support.

Progress and standard of work remain good.

Following is a tabulation of work items allowed by the contract, cost and percentage completed:

Item of Work	Allowed cost	% completed
1. to		
6. incl.	$84,338.48	100
7. Drifting and crosscutting, 2640 feet @ $48/ft.	126,720.00	64½
8. Timbering of drifts and crosscuts, 880 ft. @ $5/ft.	4,400.00	none
9. Raising, 320 feet @ $70/ft.	22,400.00	none
10. Diamond drilling est. 1000 ft. @ $5/ft.	5,000.00	94½ 1/

1/ Based on total of $5000 allowed.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
EGE/he

E. G. Erickson

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 31 195 4 Docket No. DMEA 2719 Contract No. Idm - E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860 Government Participation: 50 % Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling — Pocket	$ .00	$ 5,187.00	$ 5,187.00			
Bulldozing — Sump	.00	3,398.48	3,398.48			
Crosscutting	18,360.00	57,360.00	75,720.00			
Drifting — Station	.00	4,030.00	4,030.00			
Shaft	.00	62,600.00	62,600.00			
Diamond Dri.	1,890.50	2,836.50	4,727.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.		1,000.00	1,000.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 20,250.50	$144,534.98	$164,785.48	20250.50	144534.98	164785.48

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb. 16, 1954 *Payee DAY MINES, INC.
Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 10125 25
Signature [signature] (Authorized Certifying Officer)
Date 2/26/54 Vou. No. 1094 (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/ Eric G. Erickson Title Mining Engr Date 2/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 2/25/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1954 Docket No. DMEA 2719 Contract No. Idm - E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	18,360.00	382½	75,720.00	1,577½	$ 48.00		
Raising								
Shafts	Ft.	.00		62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.	1,890.50	416	4,727.00	1,361½	3.43		
Churn								
Auger								
~~Stripping~~ Pocket	Cu.Ft.	.00		5,187.00	3,900	1.33		
~~Trenching~~ Station	"	.00		4,030.00	6,200	.65		
~~Test Pits~~ Sump	"	.00		3,398.48	2,556	1.33		
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		$ 20,250.50		$ 155,662.48				
Installation		.00		1,000.00				
Operating Equipment Purchased		.00		8,123.00				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 20,250.50		$ 164,785.48				

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. 16, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DMEA 2719 - Hercules

Summary of Progress during January, 1954

During January, the Hercules 1600 level west drift was extended from 1054.5 to 1437.0 feet from the shaft station, an advance of 382.5 feet. A portion of this advance was on vein containing low-grade mineralization and 444 tons of this material has been stored for possible future milling, to avoid the high cost of disposing of it as waste during a severe blizzard.

Diamond drilling (Item 5) in January involved deepening of two holes to test a hanging wall branch of vein disclosed earlier. 416 feet of holes were drilled.

ROLLIN FARMIN

RF:mbr

Assistant Manager

DAY MINES, INC.

WALLACE, IDAHO

COPY

D. M. E. A. 2719 - HERCULES

STATEMENT OF ADDITIONAL DIAMOND DRILLING COSTS

In addition to contract price paid to Vivian Brothers, Inc. for diamond drilling, Day Mines, Inc. incurs expense of an estimated fifty-cents per foot. A tabulation of these costs are as follows:

	Estimated Cost Per Foot
Compressed Air	$ .25
Hoisting & Transporting	.10
Core Boxes & Core Care	.15
	$ .50

In our invoice to you, we include the applicable contract rate plus this additional fifty-cents per foot.

Secretary

LXG:tdc

THIS AGREEMENT, made and entered into this 1st day of December, 1953, by and between DAY MINES, INC., a corporation organized and existing under the laws of the State of Idaho having its registered office and principal place of business in Wallace, Shoshone County, Idaho, the PARTY OF THE FIRST PART, and VIVIAN BROTHERS, INC., a corporation organized and existing under the laws of the State of Idaho having its registered office and principal place of business in Kellogg, Shoshone County, Idaho, the PARTY OF THE SECOND PART, WITNESSETH:

WHEREAS, the Party of the First Part owns and operates the HERCULES MINE in Shoshone County, Idaho, and to prospect and explore said mine is desirous of having certain diamond drill work performed therein; and

WHEREAS the Party of the Second Part owns and operates diamond drill machines and equipment.

NOW, THEREFORE, it is mutually covenanted and agreed as follows:

1. That the Party of the Second Part herein is an independent contractor and there shall be no privity of contract between the Party of the First Part and employees of the Party of the Second Part. All such employees, whether on a wage or profit sharing basis, shall be selected, fired, directed and paid by Party of the Second Part, and that subject only to the specific limitations herein set out the Party of the Second Part shall have exclusive dominion and control of the operations herein contemplated.

2. That the Party of the Second Part agrees to furnish drilling labor, equipment, diamonds, and material necessary to the drilling of underground holes and shall diligently drill such diamond drill holes as the Party of the First Part shall specify according to specifications furnished by the Party of the First Part.

3. That the Party of the First Part agrees to furnish stations adequate for 10 ft. pulls for all holes up to 500 feet in depth and stations

adequate for 20 ft. pulls for all holes exceeding 500 feet in depth. Compressed air and water to be furnished by the Party of the First Part at the drilling stations at no expense to the Party of the Second Part.

4. That the Party of the Second Part shall perform all diamond drill work under regular mine conditions and during the ordinary working hours prevailing at the said Hercules Mine.

5. That the Party of the Second Part will at its own expense carry Workmen's Compensation Insurance and Occupational Disease Compensation Insurance covering its employees. That the Party of the Second Part will pay any taxes and make any deductions under the Federal Social Security Act, and the laws of the State of Idaho in aid thereof for which the Party of the Second Part may become obligated and will comply with other laws, rules, and regulations of any governmental authority affecting the operations of the Party of the Second Part in said premises, and will furnish the Party of the First Part with supporting evidence of such compliance.

That the Party of the Second Part will pay all such premiums required for Workmen's Compensation Insurance and Occupational Disease Compensation Insurance and will furnish the Party of the First Part evidence of compliance with said law and payment of premiums due on such policies.

6. That the said Party of the Second Part will perform all drilling work in said premises in a miner-like manner and in accordance with the mining laws of the State of Idaho under such rules and regulations as have been or may be issued by the Industrial Accident Board of Idaho or the State Mines Inspector.

7. As payment in full for services performed by the Party of the Second Part, and for the use and rental of its drill machine and equipment, the Party of the Second Part shall be paid in accordance with the following schedules:

UNIT PRICE PER LINEAR FOOT FOR UNDERGROUND CORE DRILLING:

For the first 1,000 feet of total drilling of specified short holes - AX size core bit $2.50 per foot,

and for all drilling thereafter:

0 to 250'	AX size core bit	$3.00 per ft.
250 to 500'	AX size core bit	$3.50 per ft.
500 to 750'	AX size core bit	$4.00 per ft.
750 to 1,000'	AX size core bit	$4.50 per ft.

UNIT PRICE PER LINEAR FOOT FOR REAMING FROM EX TO AX SIZE HOLE:

0 to 250'	$1.50 per ft.
250 to 500'	$1.75 per ft.
500 to 750'	$2.00 per ft.
750 to 1,000'	$2.25 per ft.

In addition, the Party of the Second Part shall be paid at the rate of $5.25 per hour for handling casing.

8. That the Party of the Second Part agrees to collar all drill holes with BX size and continue with AX size holes until completion of holes if possible. However, in the event a hole caves and satisfactory core, sludge, or progress cannot be made, the Party of the Second Part will be permitted to case holes and reduce to EX size and continue the hole at the corresponding AX price per foot.

9. That on the last day of each and every month during the life of this agreement, the said Party of the First Part shall cause measurements to be taken of the diamond drill work performed by the Party of the Second Part during the month, and the compensation payable to the Party of the Second Part for his services performed shall be based upon the said measurements and shall be paid at the rate hereinbefore specified on or before the 10th of the following month hereafter during the life of the said agreement.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in their respective names by their respective duly authorized

officers the day and year herein first above written and have affixed hereto their respective corporate seals the day and year first above written.

DAY MINES, INC.

By Harry L. Day
President

ATTEST:

S. Kimball
Secretary

PARTY OF THE FIRST PART

VIVIAN BROTHERS, INC.

By C. B. Vivian
Vice President

ATTEST:

E. M. Vivian
Secretary

PARTY OF THE SECOND PART

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
January 19, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 2719 (lead-zinc), Day Mines (Hercules), Shoshone County, Idaho, Contract Idm-E484

The exploration project was inspected January 14, 1954, accompanied by T. H. Kiilsgaard, geologist, USGS, and Mr. Thomson, mine foreman.

The 1600 level west drift (minimum cross section 8'x8') had been advanced a total of 437 feet from the crosscut, which is the only drift and/or crosscut advance made since my last inspection on December 11, 1953. Only very minor lead and zinc mineralization can be found in the entire drift. The drift should enter the favorable projected area of the vein near Mercury fault the latter part of January or first part of February 1954.

Diamond drilling was progressing on hole No. 1, which had been drilled to a reported depth of 351 feet and stopped and now had been deepened 26 feet for a total depth of 378 feet. It is planned to continue hole No. 1 to about 550 feet. Holes No. 2 and 3 were drilled to a reported depth of 301.5 and 562 feet, respectively. No new mineralization has been disclosed since the last inspection report dated January 4, 1954. Unit cost for diamond drilling reported as of January 1, 1954 was $3/ft. Allowable maximum unit cost is $5/ft.

Progress and standard of work are good.

Following is a tabulation of work items allowed by the contract, cost and percentage completed:

	Item of Work	Allowed cost	% completed
1.	Rehabilitation	$ 8,123.00	100
2.	New installations	1,000.00	100
3.	Shaft sinking, 313 feet @ $200/ft.	62,600.00 1/	100
4.	Pocket excavation, 3900 cu. ft. @ $1.33	5,187.00 1/	100
5.	Station excavation, 6200 cu. ft. @ $0.65	4,030.00	100
6.	Sump excavation, 2556 cu. ft. @ $1.33	3,398.48 1/	100
7.	Drifting and crosscutting, 2640 ft. @ $48	126,720.00	53
8.	Timbering of drifts and crosscuts, 880 ft. @ $5/ft.	4,400.00	none
9.	Raising 320 feet @ $70/ft.	22,400.00	none
10.	Diamond drilling est. 1000 ft. @ $5/ft	5,000.00	75 2/

1/ Approved distribution of costs.
2/ Based on total of $5000 allowed.

E. G. Erickson

E. G. Erickson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
EGE/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

January 4, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: J. J. Quinlan, Geologist, U. S. Geological Survey, and E. G. Erickson, Mining Engineer, U. S. Bureau of Mines

Subject: Docket No. DMEA-2719 (lead-zinc), joint interim inspection, Day Mines, Inc., Hercules Mine, Shoshone Co., Idaho, Contract No. Idm-E484

A joint inspection of the Hercules exploration project was made December 11, 1953, by J. J. Quinlan, geologist, U. S. Geological Survey, and E. G. Erickson, mining engineer, U. S. Bureau of Mines, accompanied by Mr. Thomson, mine foreman, and Mr. R. Phillips, mine geologist.

The 1600 level west crosscut has been advanced on bearing S. 82° W. 878 feet to a point 888 feet west of survey station No. 1600 (old station "C"). The footwall slip of the Hercules vein was intersected 800 feet west of station No. 1600 and the crosscut was continued on bearing an additional 88 feet without exposing the vein's hanging wall. At the time of the inspection, the operator had stoped the crosscut and was preparing to start the proposed drift west along the footwall slip of the vein. The operator's present plans are to follow this footwall slip along which the best ore is reported to occur in the upper levels. Appropriate crosscuts or long holes will be used to test the hanging wall portion of the vein.

Where intersected the footwall slip strikes N. 68° W. and dips 65° SW. The oblique angle crosscut in the vein failed to disclose the hanging wall but it does show the vein structure to have a true width of over 40 feet. The principal vein minerals are pyrrhotite, grunerite, garnet (andradite), magnetite, and siderite. It is reported that a few specks of galena have also been noted in the vein where intersected. For the most part, the vein consists of a system of braided and interlacing stringers and veinlets. Except for the footwall portion, the vein is extremely hard and brittle.

The operator reports unduly high bit costs in the hard and brittle sections of the vein. The last round broken before inspection netted approximately 3 feet advance and a dozen carbide bits were expended. The bit cost for the round was about $48 per foot. Average advance through the hard portion of the vein was only 3 to 4 feet per round. Normal advance of about 6 feet is expected during drifting in the footwall portion of the structure.

The first diamond drill hole located 215 feet west of station No. 1600 was out 256 feet at the time of the inspection and, as yet, had not cut the vein. Since the inspection, it has been learned from Mr. Garth Crosby, chief geologist for the Day Mines Company, that this first hole cut about 3 feet of 5 percent combined lead and zinc. While this is not ore, it is very encouraging.

All items of work outlined in the exploration project contract have been completed except those shown by the following tabulation:

Item	Units completed (feet)	% of total authorized
Drifting and crosscutting	952	36
Timbering of drifts and crosscuts	none	none
Raising	"	"
Diamond drilling	256	25.6

Items of work to be performed are set forth at agreed unit costs.

The project is well supervised and the standard of work has been good.

Distribution:
DMEA (Orig.&3)
USBM (2)
Docket
Quinlan

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1953 Docket No. DMEA 2719 Contract No. 10-4-1-84
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860.00 Government Participation: 50 % Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Pocket $	.00	5,187.00	5,187.00			
Bulldozing Sump	.00	3,398.48	3,398.48			
Crosscutting	18,696.00	38,664.00	57,360.00			
Drifting Station	.00	4,030.00	4,030.00			
Shaft	.00	62,600.00	62,600.00			
Diamond Drill	2,836.50	.00	2,836.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
* Rental Installation	1,000.00	.00	1,000.00	-0-		-0-
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.				1,000.00		1,000.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 22,532.50	122,002.48	144,534.98	22532.50	122002.48	144,534.98

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 13, 1954 Payee DAY MINES, INC.
Per [signature] Title Secretary

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 11,266.25
Signature [signature] (Authorized Certifying Officer)
Date 1/20/54 Vou. No. 1053 (See other side)

*Item (6), Exhibit "A" of Contract

(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/ Eric G Erickson Title Mining Eng Date 1/18/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 1/18/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 29 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 3 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	18,696.00	389½	$ 57,360.00	1,195	$ 48.00		
Raising								
Shafts		.00		62,600.00	313	200.00		
Winzes								
Drilling: Core	Ft.	2,836.50	945½	2,836.50	945½	3.00		
Churn								
Auger								
Pocket	Cu.Ft.	.00		5,187.00	3,900	1.33		
Station	" "	.00		4,030.00	6,200	.65		
Sump	" "	.00		3,398.48	2,556	1.33		
Roads and Trails								
TOTAL DISTRIBUTED COSTS		21,532.50		135,411.98				TOTAL COSTS AUTHORIZED BY CONTRACT
Installation Operating Equipment ~~Purchased~~		1,000.00	00	1,000.00				
Initial Rehabilitation and Repairs		.00	00	8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 22,532.50		$ 144,534.98				

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 Jan. 13, 1954 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DMEA 2719 - Hercules

Summary of Progress during December, 1953.

During December, the Hercules 1600 level west crosscut was extended from 741.5 feet to 874 feet west of the station, an advance of 136.5 feet, which cut diagonally across the vein, exposing a zone forty feet wide of non-commercial mineralization. A drift was started along the footwall of the vein at 801.5 feet and was extended to 1054.5 feet, an advance of 253 feet. Total advance of the heading for the month was 389.5 feet.

Diamond drilling (Item 5) commenced in December and 945.5 feet of drilling was completed in three holes. Only low-grade vein material was disclosed.

The installation of station, pocket and shaft bottom facilities was completed in December (Item 3). These included two pumps, two air-operated chute gates, transformers, battery chargers, signal system, telephone, station tugger, shaft bulkheads, a spill skip and three blowers for the ventilation system.

RF:mbr

Rollin Farmin
Assistant Manager

Form MF-194 (Rev.)
(April 1952)

1/4/54 - Received Dec. 22

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1953 Docket No. DMEA 2719 Contract No. DMEA-F464

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

Contract Amount, $242,860.00 Government Participation: 50% Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Pocket	.00	5,187.00	5,187.00			
* Bulldozing Sump	3,398.48	.00	3,398.48			
Crosscutting	18,624.00	20,040.00	38,664.00			
Drifting Station	.00	4,030.00	4,030.00			
Shaft	.00	62,600.00	62,600.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	22,022.48	99,980.00	122,002.48			

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec. 11, 1953 Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 11,011.24

Signature [signature] (Authorized Certifying Officer)

Date 12/18/53 Vou. No. 1014 (See other side)

*Resubmitted as suggested by DMEA Field Team.

(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) Eric G Erickson Title Mining Engr Date 12/18/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W Zoldok Title Mining Engr Date 12/18/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2719 Contract No. Idm - B 484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Ft.	18,624.00	388	38,664.00	8059	48.00		
Raising								
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Pocket	Cu.Ft.			5,187.00	3,900	1.33		
Trenching Station	" "			4,030.00	6,200	.65		
Test Pits Sump	" "	3,398.48		3,398.48	2,556	1.33		
Roads and Trails								
Total Distributed Costs		$ 22,022.48		$ 113,879.48				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
Total Costs				$ 122,002.48				

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 Dec. 11, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DAY MINES, INC.

WALLACE, IDAHO

COPY

DMEA 2719 - Hercules

Summary of Progress during November, 1953

During November the Hercules 1600 Level west crosscut was extended from 353.5 feet to 741.5 feet, an advance of 388 feet.

Two diamond drill stations were excavated and most of the station and pumping facilities were installed.

After discussing the question of payment for the additional sump excavation that was deleted from the October voucher, we were advised to re-submit the item at this time.

Rollin Farmin

tdc

Form MF-104 (Rev.) (April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED
NOV 23 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Oct. 15 to Oct. 31, 1953 Docket No. DMEA 2719 Contract No. 1m-181

Operator's Name RAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

Contract Amount, $ 242,250 Government Participation: 50% Amount, $ 121,130.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Pocket	$ .00	$ 5,187.00	$ 5,187.00		5187.00	5187.00
* Bulldozing Sump	.00	3,400.00	3,400.00	3398.48	3398.48	-0-
Crosscutting	10,000.00	9,960.00	20,000.00	10,080.00	9960.00	20,040.00
Drifting Station	.00	4,030.00	4,030.00		4030.00	4,030.00
Shaft	.00	62,600.00	62,600.00		62,600.00	62,600.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00		8123.00	8123.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	10,000.00	93,300.00	103,300.00	6681.52	93,298.48	99,980.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 13, 1953 Payee RAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$

Signature
(Authorized Certifying Officer)

Date Vou. No. 970
(See other side)

*. Amdt. must be made to allow this change. (These figures copied from records in Wallace office. J.W.C.)

(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/ Eric G. Erickson Title Min. Eng. Date 11-16-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weisenborn Title Exec. Officer Date Nov 16-53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF 104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 15 to Oct. 31, 1953 Docket No. DMEA 2719 Contract No. [illegible]
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	10,020.00	210	20,040.00	417	48.00		
Raising								
Shafts				62,600.00	313	200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stopping Pocket	Cu. Ft.			5,187.00	3,900	1.33		
Tramming Station	" "			4,030.00	6,200	.65		
Tram Pick Sump	" "			3,400.00	2,556	1.33		
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 10,020.00		$ 95,257.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS				$ 103,380.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Nov. 13, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DAY MINES, INC.
WALLACE, IDAHO

COPY

RECEIVED
NOV 23 1953

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS, OCT. 15-31, 1953

The short period reported herewith brings us back to normal monthly reports in the future.

The 1600 level crosscut west was extended from 143.5 feet to 353.5 feet, an advance of 210.0 feet. A car transfer and diamond drill station was excavated at 225 feet.

Rollin Farmin
Assistant Manager

tdc

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

October 26, 1953

Memorandum

To: DMEA Field Team, Region II

From: J. J. Quinlan, geologist, U. S. Geological Survey

Subject: Docket No. DMEA 2719 (lead-zinc), routine inspection, Day Mines Inc., Hercules mine, Shoshone County, Idaho, Contract Idm-E484

The Hercules exploration project site was inspected October 15, 1953, in company with Warren Hobbs of the U. S. Geological Survey and Richard Philips, Hercules mine geologist.

At the time of the inspection, the 1600 level crosscut to the Hercules vein had been advanced on bearing, S. 82° W., 143.5 feet southwest of the center line of the 1600 level station.

The geology exposed by work on the 1600 level is relatively simple. The Pritchard formation exposed on the level consists of thin bedded black argillite and gray siliceous argillite. The bedding is flat (maximum observed dip 14°) and gently rolling, and except for one minor roll it strikes in a northerly or northwesterly direction and dips easterly or northeasterly. Of geologic interest is the amount of disseminated pyrrhotite in the beds. Minor speck of chalcopyrite and specularite (?) were noted intimately associated with the pyrrhotite. Also of interest are dark brown lamellae in the bedding near the present face. These lamellae are probably due to fine-grained garnets formed by thermal metamorphism of the argillite.

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Quinlan

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
N. 1201 Division
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1953

October 27, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, U. S. Bureau of Mines

Subject: Interim report, Day Mines, Inc. (Hercules Mine)
Docket No. DMEA 2719X (lead-zinc), Contract Idm-E484,
Shoshone County, Idaho

The project was inspected October 7, 1953 accompanied by Mr. Thompson, mine foreman, Mr. Ringal, mine engineer, and Mr. Gaffney, company accountant.

The shaft had been sunk 103 feet since my last inspection July 10, 1953, for a total advance of 313 feet. An inspection of the project was made by Mr. J. A. Bowsher, U. S. Bureau of Mines engineer, in the interim.

The contract allowed 330 feet of shaft sinking, but the operator designed a more efficient sump arrangement to be excavated immediately below the 1600 level whereby the shaft sinking beyond 313 feet for additional sump room would not be necessary. He proposed to use the money ($3,400) saved by not sinking the remaining 17 feet at $200/ft. to offset some of the cost of the newly designed 1600 level sump. It is recommended this redistribution of cost be allowed as tabulated below:

Item	Est. cost as per contract	Cost as proposed by Operator
Shaft sinking	$66,000.00	$62,600.00
1600 level station (6200 cu. ft.)	4,030.00	4,030.00
1600 level pocket (3900 cu. ft.)	5,187.00	5,187.00
1600 level sump (2556 cu. ft.)	1/	3,400.00
	$75,217.00	$75,217.00

1/ Originally included with pocket excavation.

The redistribution does not increase the amount of the contract or the Government's percentage of participation; neither does it decrease the amount of exploration outlined in the contract.

The operator has excavated more cubic feet of rock for station, pocket and sump than is being allowed under the contract. The operator excavated two pockets and although broken rock stored in pockets hampered measuring, it was possible to make sufficient measurements to determine that the 3900 cubic feet estimated for pocket and sump was less than the amount excavated for one pocket. Station excavation and enlarging for double track and electrical installations amounts to over 10,000 cubic feet, of which 6,200 cubic feet is allowed. The actual sump excavation just below the 1600 level was about 3,000 cubic feet, of which 2,556 cubic feet is being allowed as per tabulation above. Cost of second pocket and cubic feet of excavation over the amounts set forth in tabulation above are for the account of the operator.

The crosscut east which passes over the east pocket and beyond for tail track was completed. The face of the east crosscut measured 71 feet from company survey station "C" located in the back of station over the northeast corner of the grizzly for the west pocket. Station "C" is designated as M.P.-7 feet for east crosscut measuring, and M.P.-10 feet for west crosscut measuring. Distance from Station "C" to west crosscut face measured 104 feet, making a net advance of 94 feet. Net advance in the east crosscut was 64 feet making a total crosscut advance of 158 feet.

All work is done in a workmanlike manner and the housekeeping is good. All equipment is first-class and a good rate of progress is anticipated.

A detailed engineering report is being prepared covering the shaft sinking operation.

Distribution:
Orig. & 3 cys - Wash.
USGS (2)
DMEA
MD
AD
EGE/fw

FORM MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R038.3.
Approval expires 6-30-53.

NOV 20 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Sept. 1 to Oct. 15, 1953 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $242,860 Government Participation: 50% Amount, $121,430.00

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:						~~OK~~ Betty
Drilling Pocket $	.00	5,187.00	5,187.00			
* Bulldozing Sump	3,400.00	.00	3,400.00	33 9848	(?)	
Crosscutting	9,960.00	.00	9,960.00	9960.00		
Drifting Station	.00	4,030.00	4,030.00			
Shaft	1,600.00	61,000.00	62,600.00	1600.00		
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS $	14,950.00	78,340.00	93,300.00	14958.49	78340.00	93,298.49

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Oct. 20, 1953 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 7479.25

Signature [signature]
(Authorized Certifying Officer)

Date 11/4/53 Vou. No. 952
(See other side)

* mathematical error made.

(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/ Eric L. Erickson Title Mining Engr Date 10/26/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr Date 10/27/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

UNITED STATES DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 20 1953

Month of Sept. 1 to Oct. 15, 1953 Docket No. DMEA 2719 Contract No. Idm-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting 207½ @ 48.00	Ft.	9,960.00	207½	9,960.00	207½	48.00		
Raising								
Shafts 8 @ 200.00	Ft.	1,600.00	8	62,600.00	313	200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
~~Stopping~~ Pocket	Cu.Ft.			5,187.00	3900	1.33		
~~Stopping~~ Station	" "			4,030.00	6200	.65		
~~Stopping~~ Sump	" "	3,400.00	2556	3,400.00	2556	1.33		
Roads and Trails								
Total Distributed Costs		$ 14,960.00		$ 85,177.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
Total Costs		$ 14,960.00		$ 93,300.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Oct. 20, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

Remarks:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DMEA 2719 Hercules

Summary of Progress, Sept. 1, to Oct. 15, 1953

RECEIVED
OCT 20 1953

The six-week period reported herewith includes the final work of shaft sinking and the final work of the pocket, sump and station excavation, which present inter-related problems of reporting.

The Hercules Shaft was deepened from "1672-ft. level" to "1680-ft. level", an advance of 8 feet of completed shaft. The total shaft sinking becomes 313 feet, leaving unused 17 feet ($3400.00) that originally was set up for this phase of the project. However, we prefer to exchange this for more efficient sumpage, excavated adjoining the 1600 level pocket, instead of at the shaft bottom as originally planned.

All of the station excavation (6200 cu. ft.) and pocket excavation (3900 cu. ft.) allowable have been reported and were allowed as progress for August, 1953. The sump excavation now reported is 2556 cu. ft. at $1.33 = $3400.00. This is less than the actual volume excavated, likewise the pocket excavation that has been reported is less than half the actual excavation that was completed with a view toward future mine operations beyond this exploration project. The sump, however, is thought to be necessary to the exploration project, because of the considerable flow of water that will be encountered. It has been placed alongside of the pocket, instead of using additional shaft bottom, with the objective of getting better settling and disposal of the sediment that will be washed from the advancing exploration headings.

Crosscutting on 1600 level was started and advanced 64 feet to the east. The main crosscut west was advanced 143.5 feet.

Rollin Farmin
Assistant Manager

tdc

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Wash
Made

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2719 Contract No. Idm-E184
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860 Government Participation: 50 % Amount, $ 121,430.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						10/12/53 - J.W.A.
Drilling						
~~Rocket~~ Excavation	5,187.00	.00	5,187.00	5187.00	✓	5,187.00
* Station Excavation	4,362.80	.00	4,362.80	4030.00		4,030.00
Crosscutting						
Drifting						
Shaft Sinking	3,000.00	58,000.00	61,000.00	3,000.00	58,000.00	61,000.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00		8123.00	8123.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 12,549.80	$ 66,123.00	$ 78,672.80	12,217.00	66123.00	78340.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 19, 1953 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 6168 50

Signature [signature]
(Authorized Certifying Officer)

Date 9/30/53 Vou. No. 923
(See other side)

* Exceeded allowable maximum.

(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/ E. H. Erickson Title M. Eng. Date 9/29/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ M. E. Volin Title Member Field Team Date 9/30/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 2719 Contract No. Idm-E484

Operator's Name DAY MINES, INC. Minerals Lead-Zinc

Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts 15' @ 200.00	ft.	3,000.00	15	61,000.00		200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Pocket Excavation	cu.ft.	5,187.00	3900	5,187.00	✓	1.33		
Station Excavation	"	4,362.80	6712	4,362.80		.65		
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 12,549.80		$ 70,549.80				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 12,549.80		$ 78,672.80				

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 Sept. 19, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DAY MINES, INC.

WALLACE, IDAHO

COPY

September 19, 1953

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS DURING AUGUST, 1953

The Hercules Shaft was deepened from "1657-ft. level" to "1672-ft. level", an advance of 15 ft. of completed shaft. Excavation for the "1600-ft. level" station, pocket and sump were started and were advanced as follows:

Pocket Excavation	3,900 cu. ft.	(@ $1.33)
Station Excavation	6,712 "	(@ $0.65)

Considerable parts of the station and pocket openings have been rock-bolted, for support of the fractured ground.

Rollin Farmin

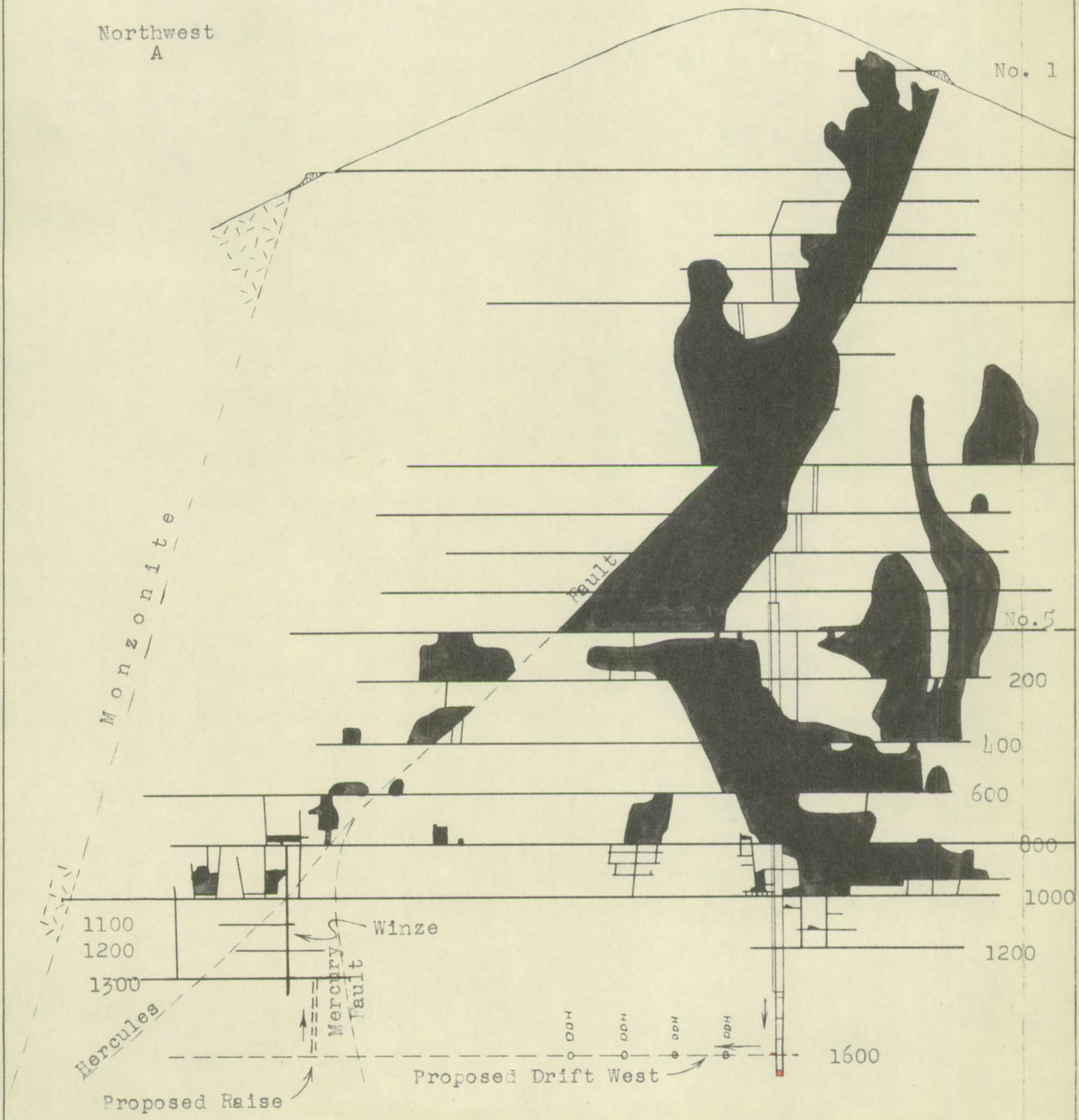
Assistant General Manager

tdc

LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project

VERTICAL LONGITUDINAL PROJECTION



PROGRESS FOR PERIOD August, 1953

Form MF-101 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 1953 Docket No. DMEA 2719 Contract No. Idm - E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $242,860 Government Participation: 50 % Amount, $121,430

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						9/9/53 J.W.A.
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft Sinking $	21,000.00	37,000.00	58,000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS $	21,000.00	45,123.00	66,123.00	21,000.00	45123.00	66123.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug. 11, 1953 Payee DAY MINES, INC.
Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 10,500.00

Signature [signature]
(Authorized Certifying Officer)

Date 8/24/53 Vou. No. 883
(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 A. Brawsher Title Mining Engr Date 8/18/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Thomas E Howard Title Mining Engr Date 8/19/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 2719 Contract No. Idm - E 484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts 105' @ $200.00	Ft.	21,000.00	105	58,000.00	290	200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 21,000.00	105	58,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 21,000.00		$ 66,123.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Aug. 11, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

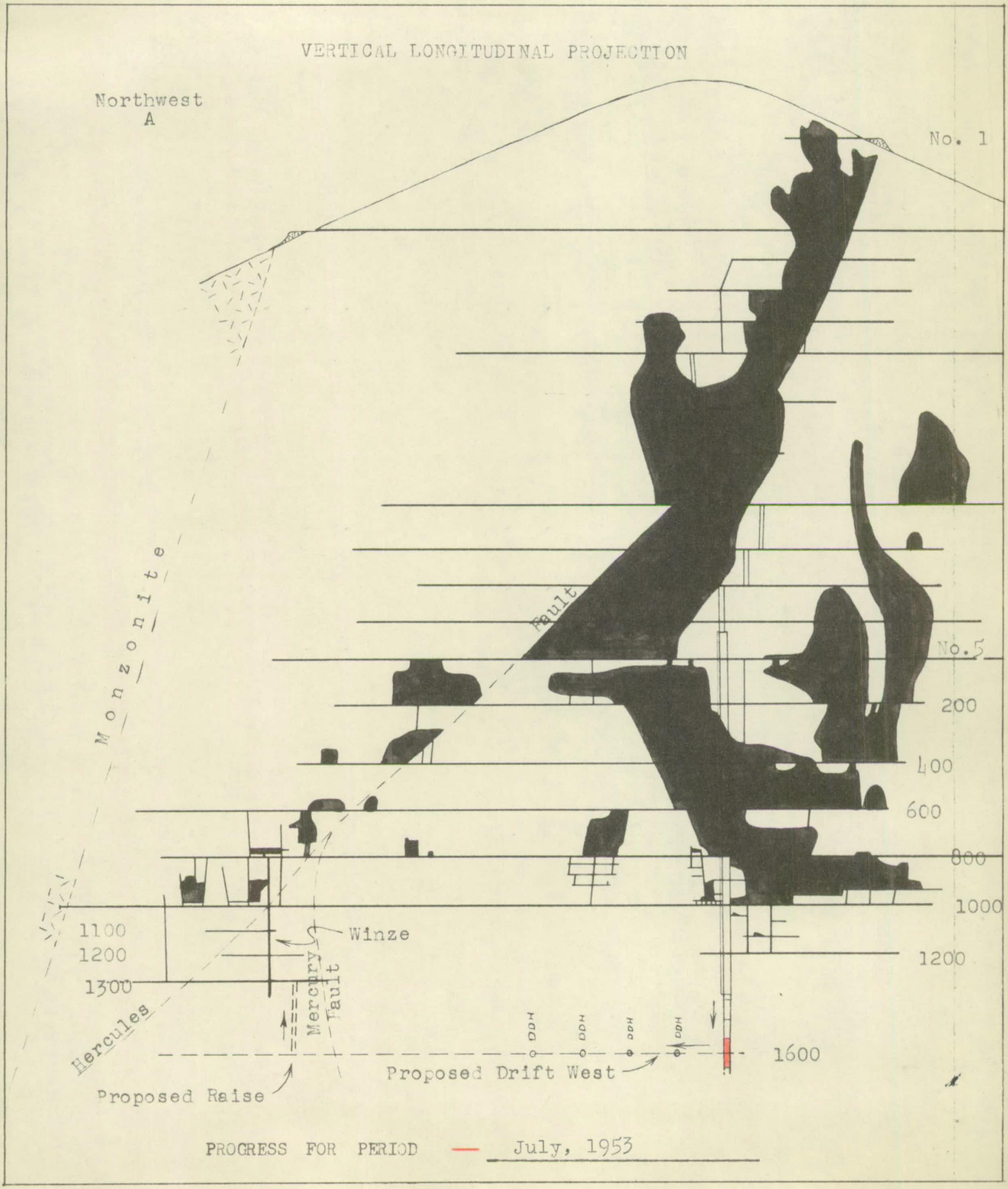
Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project



DAY MINES, INC.

WALLACE, IDAHO

COPY

August 11, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING JULY, 1953

The Hercules shaft was deepened from "1552-ft. level" to "1657-ft. level", an advance of 105 ft. of completed shaft.

No unusual conditions were encountered and the ground traversed remained relatively uniform.

Rollin Farmin
Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
July 16, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Day Mines (Hercules), Shoshone County, Idaho, Docket No. DMEA 2719 (lead-zinc), Contract No. Idm-E484

The shaft sinking operation was inspected July 10, 1953 accompanied by Mr. Ringel, mine engineer. On June 12, 1953 Mr. R. Thompson was contacted at the mine office but because of off cycle blast a physical inspection of the shaft operation was not made at that time.

On July 10 the shaft had been advanced 62 feet since June 12, for a total of 210 feet, measured to bottom of last set. The ground was advanced about 15 feet below last set. Operator reports monthly advance to bottom of timber.

The ground is considered good, and a section about 8½'x19' is broken by a bench round system of drilling. All shoveling is by hand and average advance is about 4.5 feet per 3-shift day, which is considered good for a "hand-muck" sinking operation of this size.

The 3-compartment shaft is timbered with 10"x10" timber using 10"x12" dividers, and each compartment is 56"x62" in the clear.

The shaft labor (3 men) is contracted at a rate of $60 per foot for completed shaft. An additional $0.01½ per cubic foot is paid miners for pulling the 1200 level pocket and cleaning down shaft. Good housekeeping was noted through the shaft by the absence of spilled and blasted muck on the wall plates or dividers.

Shaft sinking will probably be completed the last of August or first part of September this year. New 1600 level station and pocket will then be cut and level exploration started.

Since the exploration contract has started, virtually all other operations at the mine have been closed down which throws the brunt of the costs against the shaft sinking. The sinking is being performed on an agreed unit cost per foot ($200/ft.) and in view of curtailed operations it is believed that actual costs are not less than the allowed unit. No attempt was made to ascertain the actual cost at the time of the last inspection.

E. G. Erickson

E. G. Erickson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
EGE/he

Form ME-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED
JUL 27 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 2719 Contract No. DPM-1484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $242,860 Government Participation: 50 % Amount, $121,430

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft Sinking	$ 17,000.00	$ 20,000.00	$ 37,000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	.00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 17,000.00	$ 28,123.00	$ 45,123.00	17,000.00	28,123.00	45,123.00

Approved: Betty 8/4/53 D.W.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July 13, 1953 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 8500.00

Signature [signature]
(Authorized Certifying Officer)

Date 7/24/53 Vou. No. 842
(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/ Eric G. Erickson Title Mining Engr Date 7/20/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 7/20/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-10-A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1953

Month of June 1953 Docket No. DMEA 2719 Contract No. [illegible]
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts 85' @ 200.00	ft.	$ 17,000.00	85	$ 37,000.00	185	200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 17,000.00	85	$ 37,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 17,000.00		$ 45,123.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date July 13, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DAY MINES, INC.

WALLACE, IDAHO

COPY

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS DURING JUNE, 1953

The Hercules shaft was deepened from "1467-ft. level" to "1552-ft. level", an 85-ft. advance of completed shaft.

No unusual conditions developed, although sickness among crew members, power outages and a Union Holiday somewhat retarded advance.

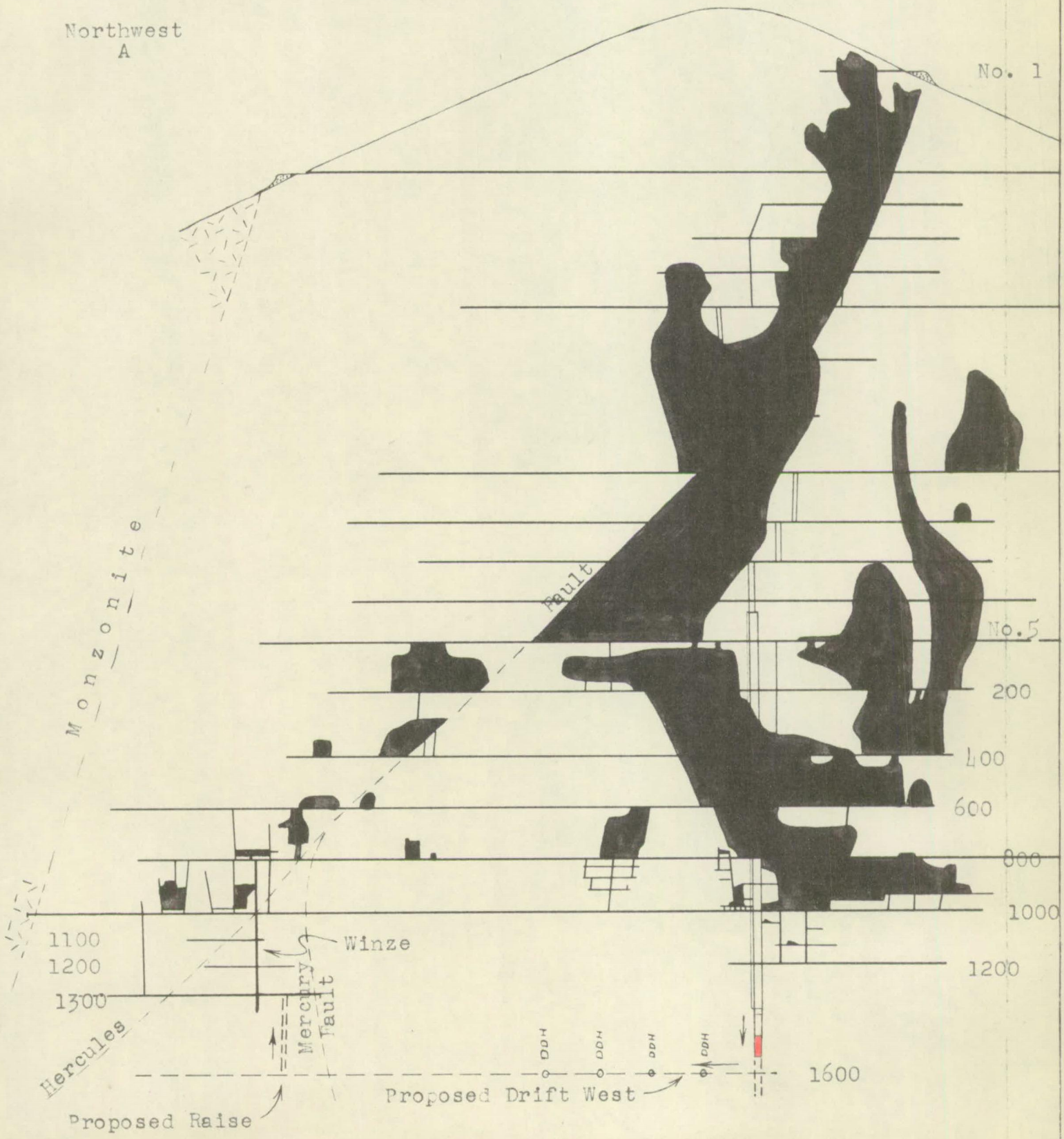
Rollin Farmin

Superintendent

LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project

VERTICAL LONGITUDINAL PROJECTION



PROGRESS FOR PERIOD — June, 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Grosvenor
Belly

1201 N. Division St.
Spokane 2, Washington
May 22, 1953

MEMORANDUM

To: Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: DMEA Field Team, Region II

Subject: Docket No. DMEA 2719 (lead-zinc); Contract Idm-E484
Day Mines (Hercules), Shoshone County, Idaho
Fatal accident in Hercules Shaft on May 1, 1953

The attached report by Mr. Edward W. Buel, Bureau of Mines, on his routine inspection of the subject DMEA project on May 12, 1953, gives information on a fatal accident that occurred in the Hercules Shaft on May 1. As stated by Mr. Buel, the Field Team did not learn of this accident prior to his inspection.

The attached letter from Mr. Vernon Pratt, Safety Engineer for the Day Mines, Inc., was received in reply to our inquiry of May 14, 1953, about this accident.

With respect to the hazards which brought about this accident, the Field Team wishes to emphasize that at the time of Mr. Buel's previous inspection on April 7, 1953, rehabilitation of the Hercules shaft as required under the DMEA contract had just been completed and sinking operations had not yet been started. The inspecting engineer, therefore, had no opportunity to observe and report the existence of hazards that may have prevailed during the initial sinking operations.

Working funds made available to the Bureau of Mines for sharing in the DMEA program in Region II do not permit enough mining engineer personnel to make contract inspections oftener than once a month, or in some cases once every two months. The subject contract is considered important enough to require inspections at monthly intervals.

By Field Team, Region II

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

Thor Kiilsgaard, Acting Member
U. S. Geological Survey

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
May 22, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. W. Buel, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Day Mines, Inc. (Hercules Mine), Shoshone County, Idaho, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

A routine inspection was made of the Hercules mine on May 12, 1953, in company with Mr. R. Thompson, mine foreman, who acted in the absence of Mr. J. Ringel, Mining Engineer for the Hercules.

Since the last inspection on April 7, sinking operations had been started in three compartments of the rehabilitated shaft. To the date of inspection, the shaft had been sunk to an average depth of 46 feet below the former bottom.

Timbering in the three compartments totalled seven 5-foot sets, of which four sets were completely lagged. The compartments are approximately 4.6x5.2 feet in the clear.

It was not possible to inspect the bottom of the shaft as the cage could not be lowered to less than 15 feet from the bottom and no ladder or other means to get down was available at the time of the inspection.

Other work completed under the contract consisted of the installation of another dump ramp, on the 1200 level, for slushing out the shaft.

Mr. Thompson stated that the work is being done with contract labor, and that the labor cost averages about $63 per foot. The sinking operations are on a 3-shift basis, 6 days a week. There are 12 men employed full time on the operation with a foreman and engineer part-time.

At the time of the inspection it was learned that a fatal accident, involving a Mr. R. Anno, occurred in the Hercules shaft on May 1, 1953. Prior to the inspection, no notification was sent by the Operator to either the Examining Team nor the DMEA Field Team. An attempt was made to obtain information relating to the accident from the Operator's Safety Engineer, Mr. V. Pratt, but he could not be reached at the time. A subsequent letter was sent to him May 14, 1953, requesting a detailed report of the fatal accident and its causes. The attached reply from Mr. V. Pratt briefly explains the nature and causes of the accident.

Prior inspections of rehabilitation operations in the Hercules shaft did not disclose any hazards or unsatisfactory working methods. The efficiency and workmanship appeared to be of the highest standard. The Examining Team did not have occasion to inspect the contract work more often than at approximately monthly intervals and therefore did not have a chance to observe the initial sinking operations following rehabilitation of the shaft, but it was assumed that the same standards would be observed in the sinking work as in the previous operations.

E. W. Buel

Orig. & 3 cys - Wash.
USGS (2)
DMEA
R/O
MacGuire
M/D
EWB/he

DAY MINES, INC.

WALLACE, IDAHO

May 15, 1953

RECEIVED
BUREAU OF MINES
MAY 18 1953
SPOKANE WASH

Mr. M. E. Volin
Defense Minerals Exploration Administration
1201 N. Division St.
Spokane 2, Washington

Dear Mr. Volin:

I hope that the following information will assist you in making a report on the fatal accident of Mr. Robert Anno in the Hercules Shaft.

The accident occurred at about 12:30 P.M. on May 1, 1953. There were no eye witnesses to the accident, but I talked to the other members of the shaft crew and inspected the scene of the accident about two hours after it occurred.

I believe the circumstances of the accident were as follows:

A three compartment shaft is being sunk. The east and middle compartments are used for hoisting. The west compartment is used for hoses. The hose setup is as follows. A two inch by 50 foot wire reinforced hose is used between the air line and a manifold supported by a cable from a small hoist located on the first level above the bottom.

Several one inch air hoses and water hoses are attached to this manifold and the entire assemblage raised or lowered to give a convenient amount of hose on the bottom for drilling.

Immediately preceeding the accident Mr. Anno had used the deck in the middle compartment to turn on the air and water and supervise the lowering of the hoses. On completion of this work he decided to go to the level above, the 1200 level. Judging by marks on the shaft dividers and measurements that were taken, the two inch air hose had looped out into the shaft and became fouled on a bolt holding a guide shoe. As the cage was hoisted the hose was tightened causing the air valve and fittings to tear loose from the air line. This acted as a powerful slingshot. Mr. Anno's head was at just the right place to receive a blow from the valve. He fell to the deck and was rolled between the deck and wall plates, falling to the bottom of the shaft.

Sincerely yours,

Vernon Pratt

Vernon Pratt
Safety Engineer

VP:jab

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Wash.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of MAY 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860 Government Participation: 50 % Amount, $ 121,430

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~Det~~ ~~Grawold~~ Betty 6/25/53 J.M.G.
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft Sinking	$ 16,000	$ 4,000.00	$ 20,000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	00	8,123.00	8,123.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 16,000	$ 12,123.00	$ 28,123.00	16,000.00	12,123.00	28,123.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 8, 1953 *Payee DAY MINES, INC.
Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 8,000.00

Signature [signature]
(Authorized Certifying Officer)

Date 6/16/53 Vou. No. 791
(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. 484 in accordance with the terms of the contract.

Signature S/ E. G. Erickson Title M. Eng. Date 6/15/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ P. E. Howard Title M. Eng. Date 6/15/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of MAY 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts 80' @ $200.00	Ft.	$ 16,000	80	$ 20,000.00	100	$200.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 16,000	80	$ 20,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc								
TOTAL COSTS				$ 28,123.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date June 8, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DAY MINES, INC.

WALLACE, IDAHO

COPY

DMEA 2719 - Hercules

SUMMARY OF PROGRESS DURING MAY, 1953

The shaft-sinking operation suffered a setback during the first week of May because of a fatal accident. A full crew was organized and in normal cycle by May 6. The shaft was deepened from "1387-ft. level" to "1467-ft. level" in May, an advance of 80 feet of completed shaft.

ROLLIN FARMIN

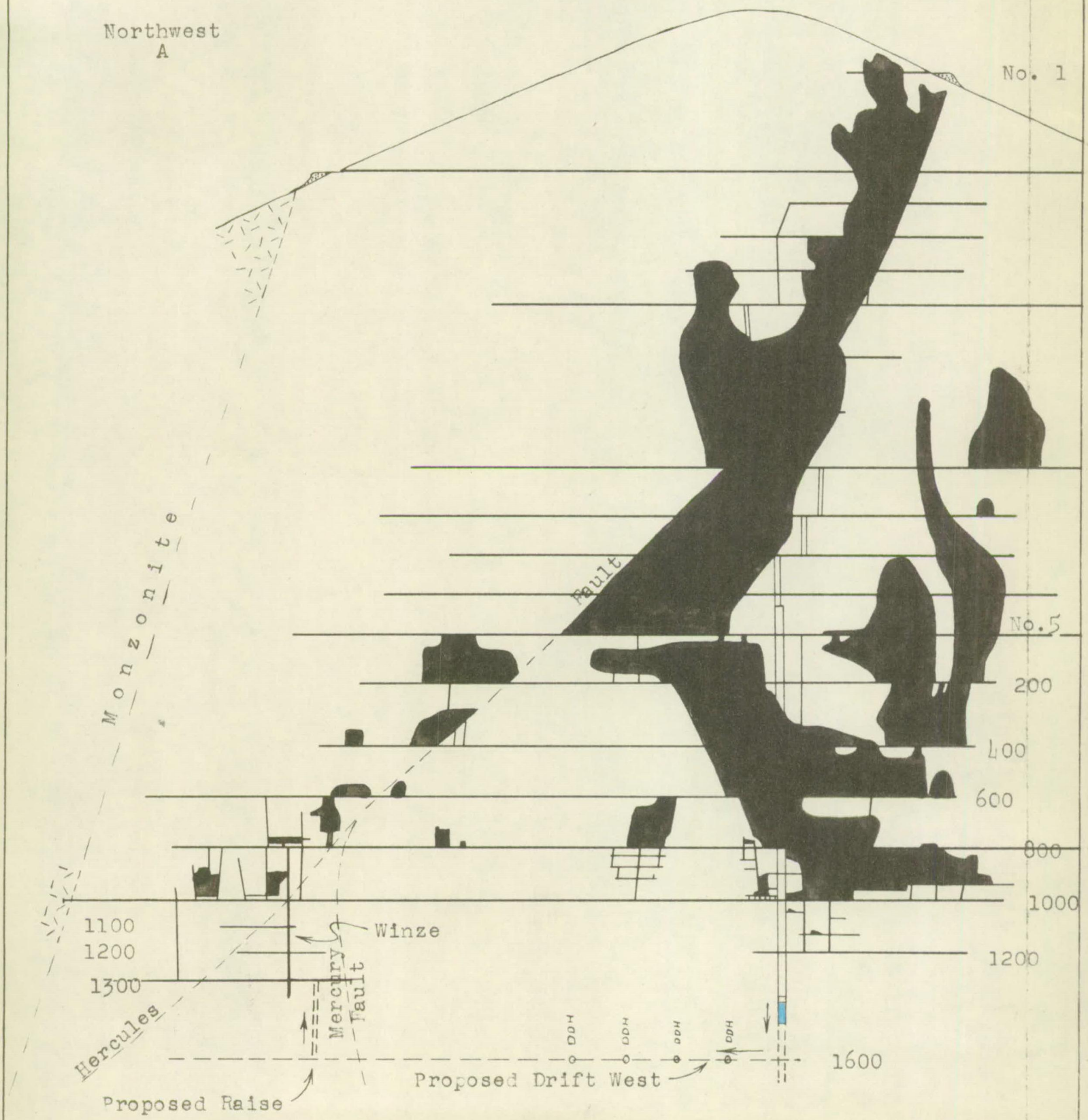
Superintendent

tdc

LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project

VERTICAL LONGITUDINAL PROJECTION



PROGRESS FOR PERIOD — May, 1953

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $ 242,860 Government Participation: 50 % Amount, $ 121,430

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft Sinking $	4,000.00	.00	4,000.00	4000.00	—	4000.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	.00	8,123.00	8,123.00	—	8123.00	8123.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS $	4,000.00	8,123.00	12,123.00	4000.00	8123.00	12123.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date May 8, 1953 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2000.00

Signature [signature]
(Authorized Certifying Officer)

Date 5/25/53 Vou. No. 772
(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.

/s/ Signature Edward W Buck Title Mining Engr Date 5/14/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/s/ Signature Thomas E Howard Title Mining Engr Date 5/19/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts 20 ft. @ 200.00	ft.	4,000.00	20	4,000.00	20	4,000.00	330	@ 200.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4,000.00	20	4,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS				$ 12,123.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 8, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

REMARKS:

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DMKA 2719 - HERCULES

SUMMARY OF PROGRESS DURING APRIL, 1953

Rehabilitation of the bottom 67 ft. of the old Hercules Shaft was completed during April.

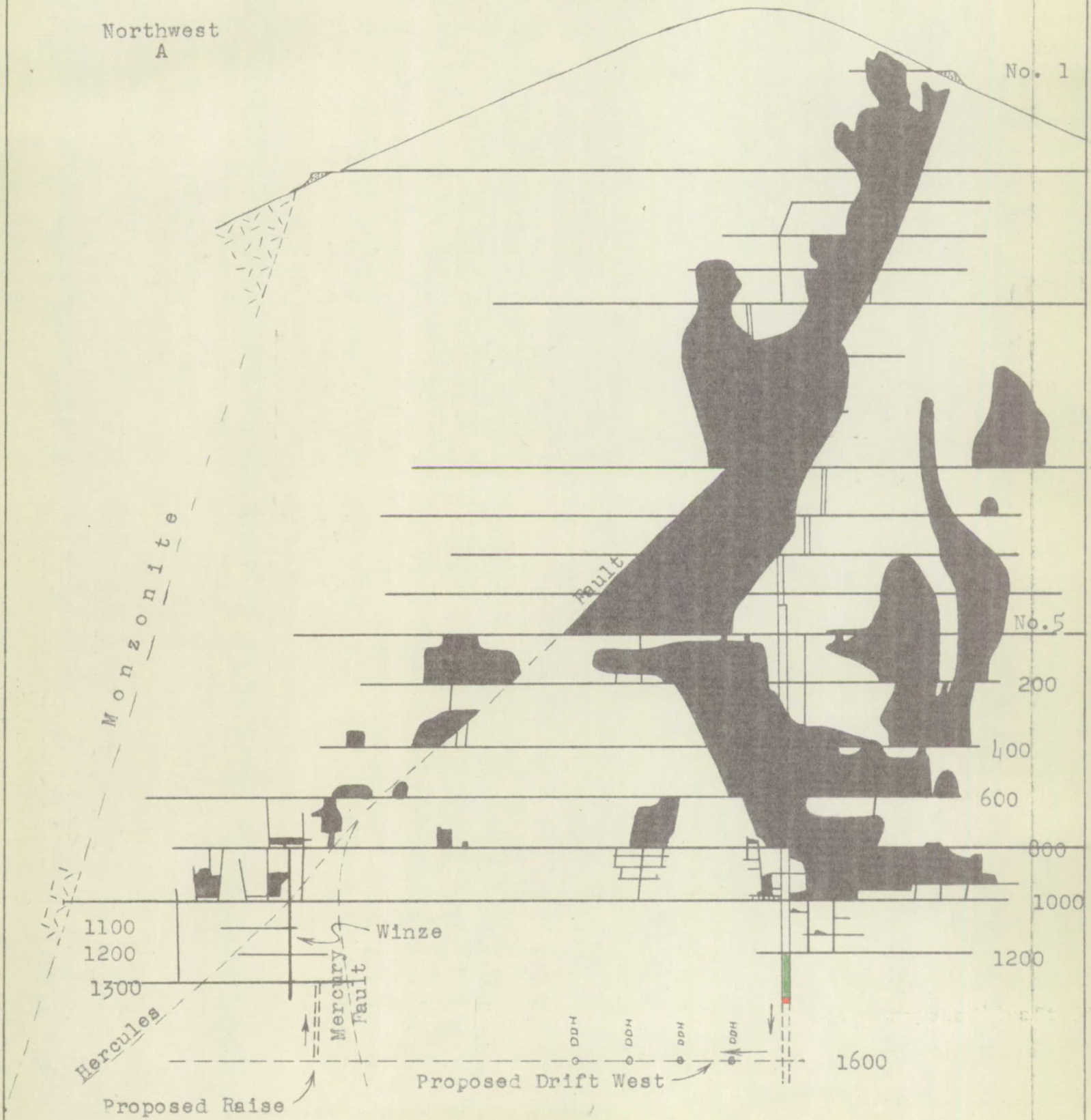
The remaining equipment needed for shaft sinking was installed and sinking was started, converting the old four-compartment shaft to its new three-compartment form. 20 lin. ft. of new shaft was completed in April, extending it to the "1387-ft. level."

tdc

LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project

VERTICAL LONGITUDINAL PROJECTION



PROGRESS FOR PERIOD — April, 1953

REHABILITATION " " —

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
April 15, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. W. Buel, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Day Mines, Inc. (Hercules Mine), Shoshone County, Idaho, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

A routine inspection was made of the Hercules mine on April 7, 1953, in company with Mr. J. Ringel, mining engineer for the Hercules mine.

Rehabilitation under Stage I of the contract has been completed. The shaft work provided for rehabilitation of the Hercules shaft below the 1200 level, including repair of shaft, and unwatering and clearing debris from the bottom of it.

Principal work accomplished for the rehabilitation of the 4-compartment (only 3 compartments were rehabilitated) Hercules shaft is given as follows:

1. A dam on the 1200 level was built to keep drainage water from the shaft area.

2. A dump chute was moved from No. 3 compartment to No. 2 compartment.

3. No. 3 compartment was cleaned out to a depth of 120 feet at which depth a bulkhead had to be removed.

4. Nos. 1 and 2 compartments' loose muck was cleaned to a depth of 40 feet.

5. A "chippy" hoist and chute were installed in No. 3 compartment in order to pull muck from compartments Nos. 1 and 2.

6. No. 3 compartment was then rehabilitated to a depth of 173.5 feet.

7. In the process of cleaning out compartments Nos. 1 and 2 to a depth of 173.5 feet, it was necessary to remove two bulkheads situated at depths of 70 and 125 feet in the shaft. Some trouble was encountered in the removal of an "A" frame bulkhead situated at a depth of 125 feet below the 1200 level. Further complications arose after the removal of the "A" frame bulkhead when it was learned that bags filled with sawdust, placed beneath the bulkhead, had rotted and left the sawdust lying loose in the shaft. This loose sawdust caused considerable trouble, especially in clogging the pumps.

Miscellaneous work for the shaft rehabilitation consisted of the following installation: (1) a portable air hoist, bulkhead, and sheave wheel in the No. 3 compartment; (2) slusher equipment, two waste dumps, and air cylinders, 2 M.R.V. 30 H.P. pumps for the dam, a 7 H.P. ventilating fan placed at the dam, electric control panel and lines, air lines, ventilation pipe, water lines, etc., all on the 1200 level; (3) all three compartments were checked from the 1200 level to near the bottom for timber and panel replacement. (No timber had to be replaced; some paneling, however, needed replacing); and (4) skip guides installed in compartments, total 600 feet. In compartments Nos. 1 and 2, guides were installed from a depth of 65 to 167 feet. Compartment No. 3 had guides emplaced for a distance of 96 feet.

A partial list of some of the supplies installed during the rehabilitation is listed below:

1. 170' - 20" ventilation pipe
2. 70' - 3" water pipe
3. 190' - 4" water pipe
4. 190' - 2" drill water pipe
5. 70' - 2" water line
6. 1890 bd. ft. - 2" paneling (for shaft)
7. 1410 bd. ft. - 8"x8" (for dam)

The work is being conducted on a 24-hour basis. Direct man hour shifts total 38-1/2 for February and 181 for March 1953.

The work is of the highest quality, and the efficiency of the work is believed to be of a high standard.

E. W. Buel

E. W. Buel

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
EWB/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~

1201 North Division Street
Spokane 2, Washington

March 10, 1953

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
RECEIVED
APR 3 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. W. Buel, Mining Engineer, Bureau of Mines

Subject: Day Mines, Inc. (Hercules Mine), Shoshone County, Idaho, Contract Idm-E484, Docket No. DMEA 2719 (lead-zinc)

Work under the DMEA contract was begun last month on the subject property. No inspection was made of the work. Representatives of Day Mines, Inc., were contacted March 3, 1953. It was learned that no technical personnel was available for the inspection tour on that day.

The following information was obtained from Mr. James Ringel, Mining Engineer, who is the engineer for the Hercules mine.

Stage I provides for rehabilitation of the Hercules shaft below the 1200 level, including repair of shaft, and unwatering and clearing debris from the bottom of it.

Mr. Ringel stated that 2 compartments have been cleaned out to a depth of 70 feet below the 1200 level. Miscellaneous work included the making of a dam on the 1200 level, installing a chippy skip, building a crosshead, and building a deck to the lower pumps.

The men currently employed under the contract number about 10. It is expected that more men will be added as the work progresses.

Rehabilitation work under Stage I of the contract is expected to be completed within a few weeks.

E. W. Buel

E. W. Buel

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
EWB/vf

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Defense Minerals Exploration Administration
RECEIVED
APR 28 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho
Contract Amount, $242,860 Government Participation: 50 % Amount, $121,430

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	$ 8,123.00	.00	$ 8,123.00	8123.00	—	8123.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 8,123.00		$ 8,123.00	8123.00	—	8123.00

Approved
Housewold
Betty
O.K.
J.W.A. 5/1/53

I certify that the above bill is correct and just and that payment therefor has not been received.

Date April 8, 1953 *Payee DAY MINES, INC.

Per [signature] Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

4061.50

$ 4061 50

Signature [signature]
(Authorized Certifying Officer)

Date 4/23/53 Vou. No. 739
(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/ Edward W Buel Title Mining Engr Date 4/17/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 4/17/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

FORM MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 2719 Contract No. IDM-E484
Operator's Name DAY MINES, INC. Minerals Lead-Zinc
Address Wallace, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		$ 8,123.00		$ 8,123.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 8,123.00		$ 8,123.00				

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date April 8, 1953 Operator DAY MINES, INC.

Per [signature] Title Secretary

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

DAY MINES, INC.

WALLACE, IDAHO

COPY

April 8, 1953

DMEA 2719 - HERCULES

SUMMARY OF PROGRESS DURING MARCH, 1953

Rehabilitation of the Main Shaft below 1200 Level was two-thirds completed in March. This work progressed under covering bulkheads while a general repair of the upper part of the shaft was proceeding overhead. This general repair of the upper part of the shaft is necessary for safety during the subsequent shaft sinking, but is not considered a part of DMEA 2719.

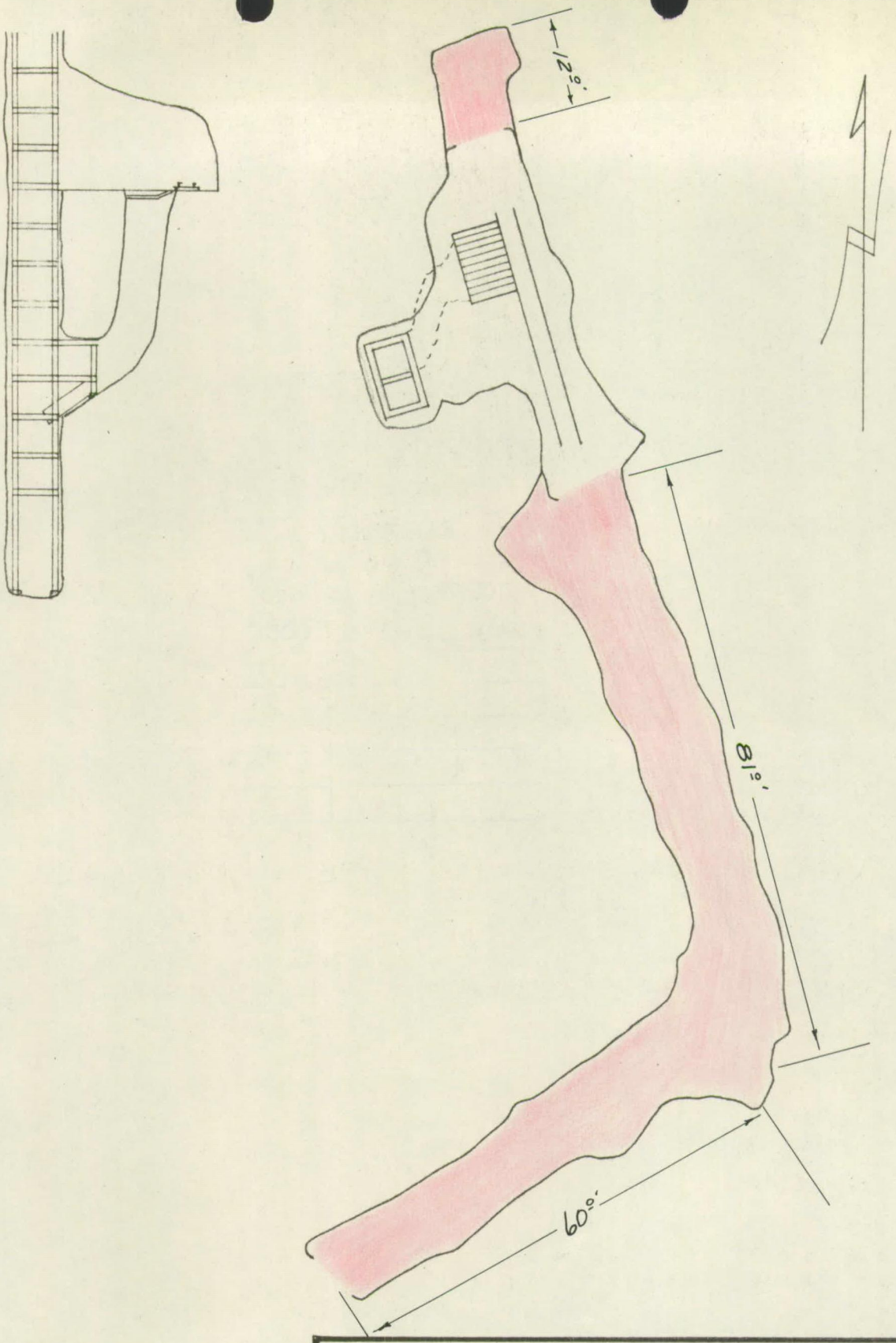
Rehabilitation below 1200 Level included unwatering, mucking up old spill, removing old bulkheads; also, installing shaft guides, ladders, pipes and electric cables in the newly opened part of the shaft. It also involved installing a dam and pump on 1200 Level, as well as a Porter Hoist, sheave, work cage, sinking bucket and bucket-dumping device and a slusher hoist and scraper. 100 ft. of rehabilitation is considered complete at this time. The remaining 67 ft. is partly rehabilitated now, but will not be reported complete until next month.

Certain work on the sinking phase of the project (framing of timber sets, etc.) has been started, but no sinking has been completed.

Expense in excess of maximum amount allowable for rehabilitation has already been incurred, therefore, the full amount is claimed on this report.

Rollin Farmin, Supt.

tdc



DAY MINES INC.

DMEA 2719 1900 LEVEL

SCALE 1" = 20'

Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

YEAR 1957

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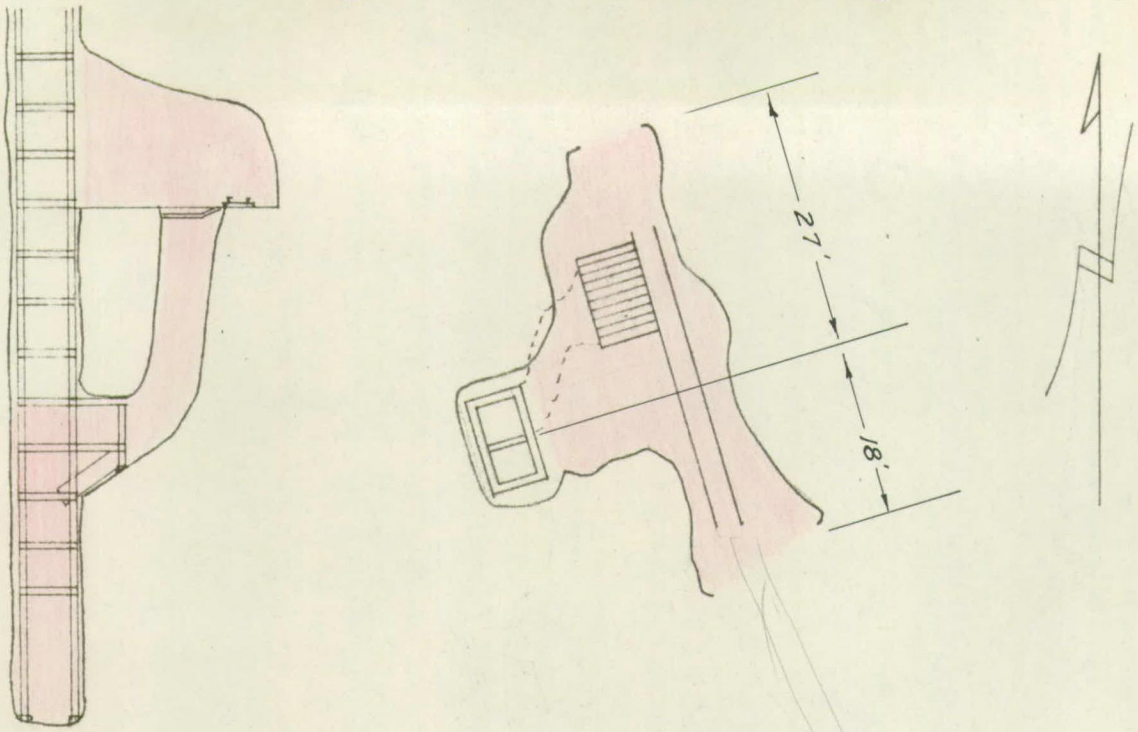

DAY MINES INC.

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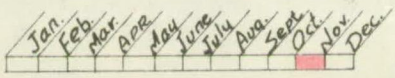

YEAR 1957

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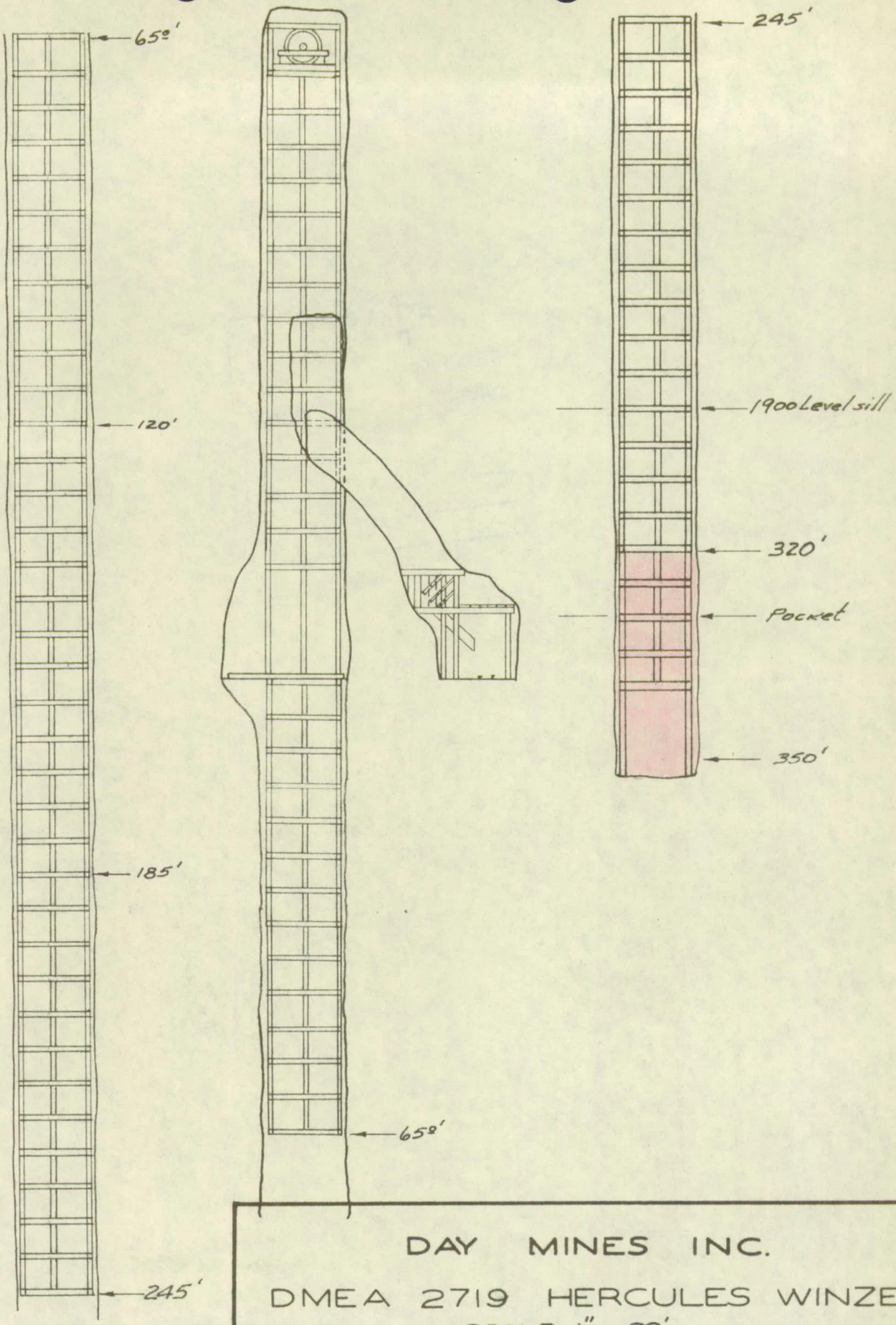

DAY MINES INC.

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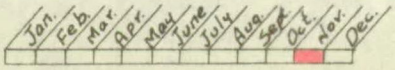

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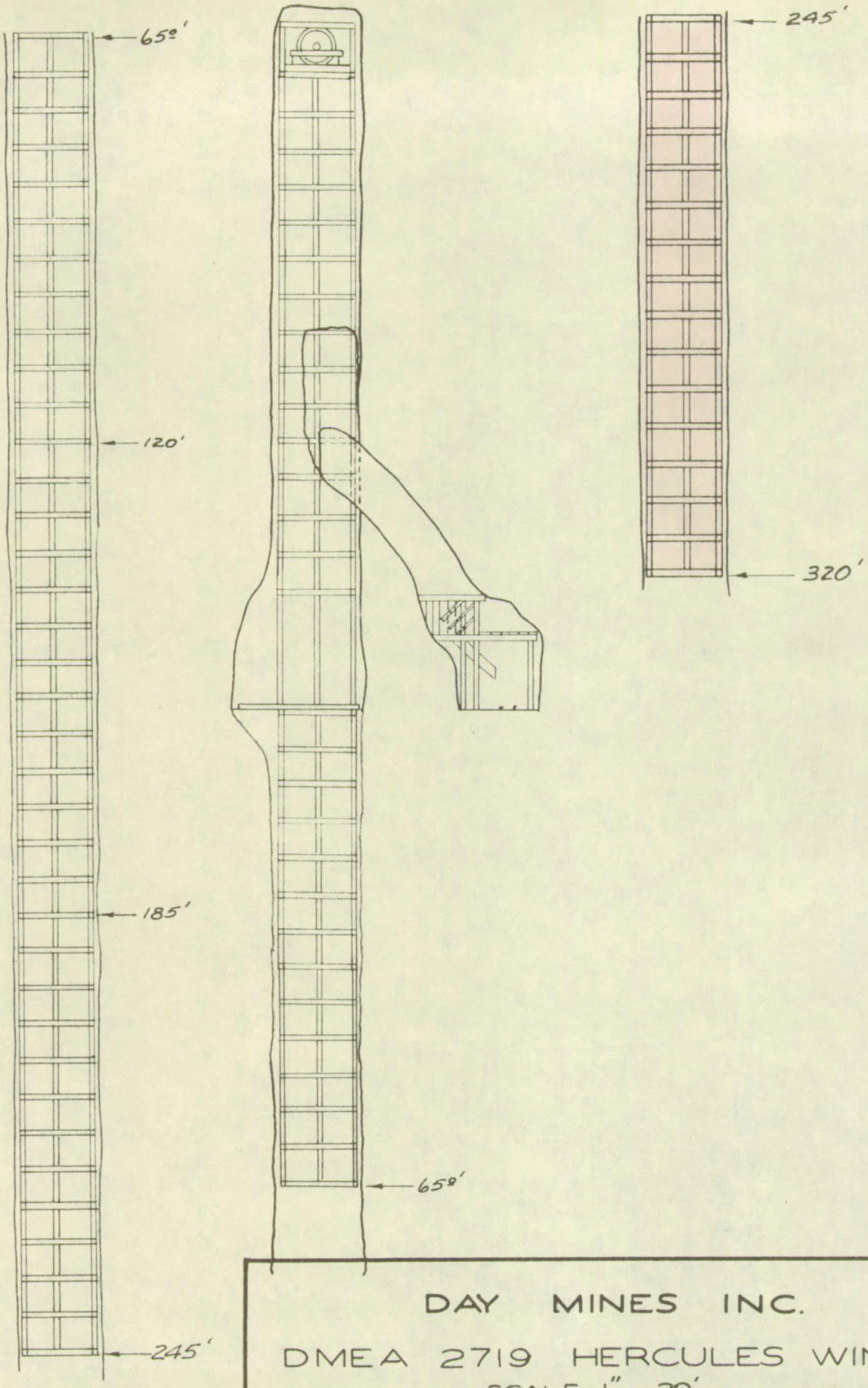

DAY MINES INC.

DMEA 2719 HERCULES WINZE

SCALE 1" = 20'

Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

YEAR 1957

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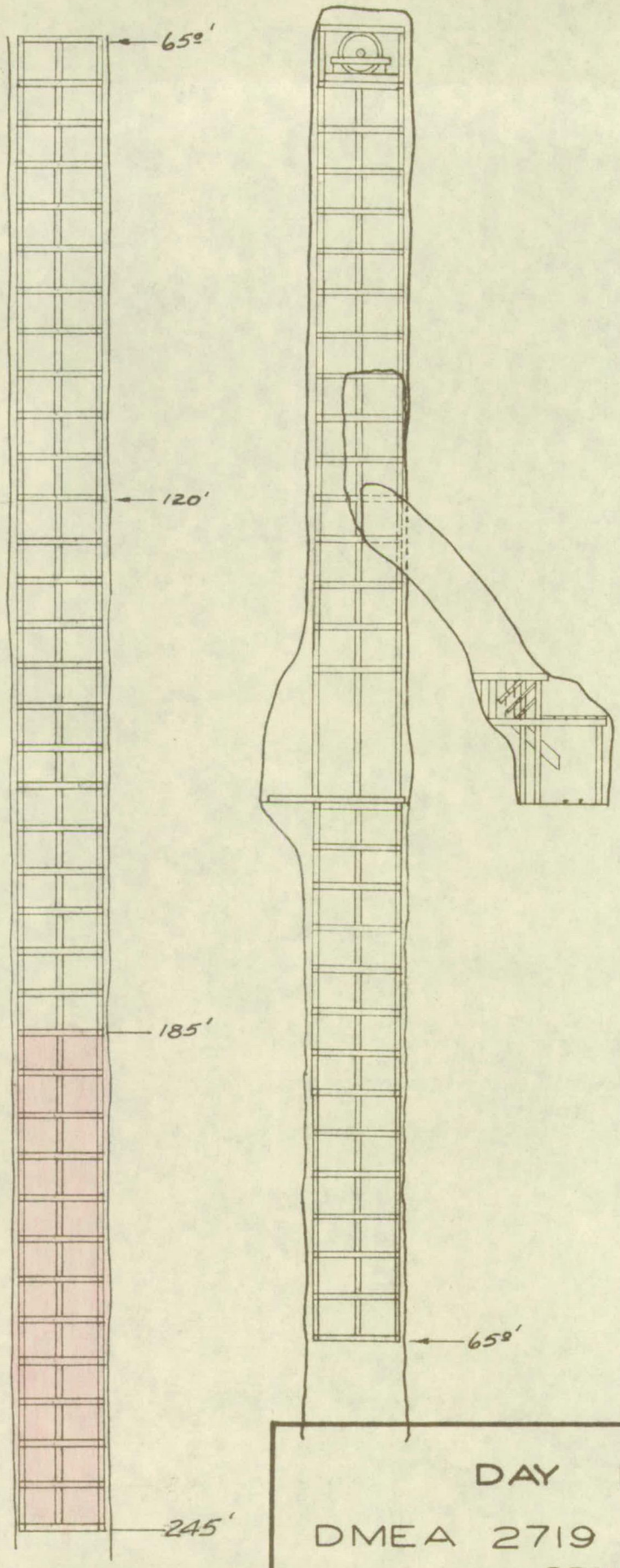

DAY MINES INC.

DMEA 2719 HERCULES WINZE

SCALE 1" = 20'

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YEAR 1957

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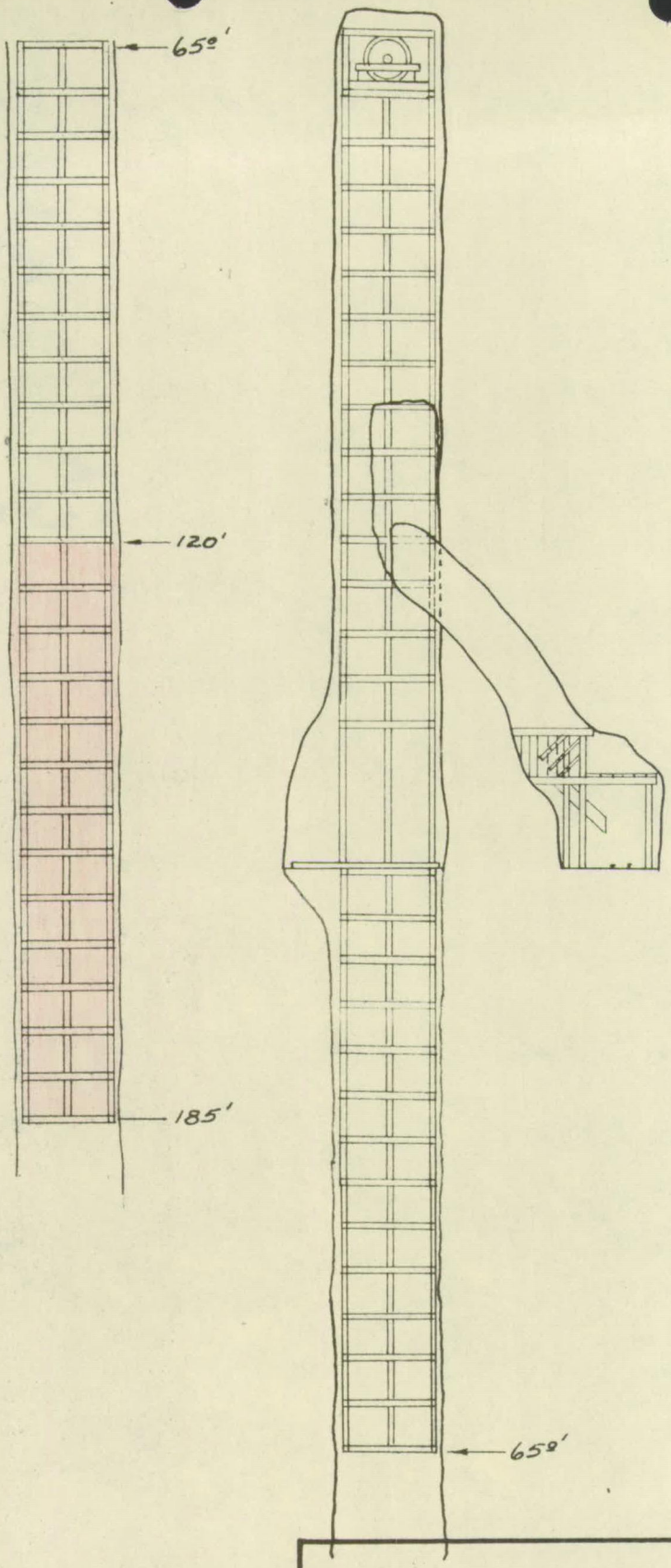

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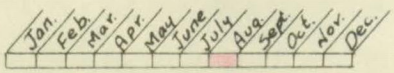

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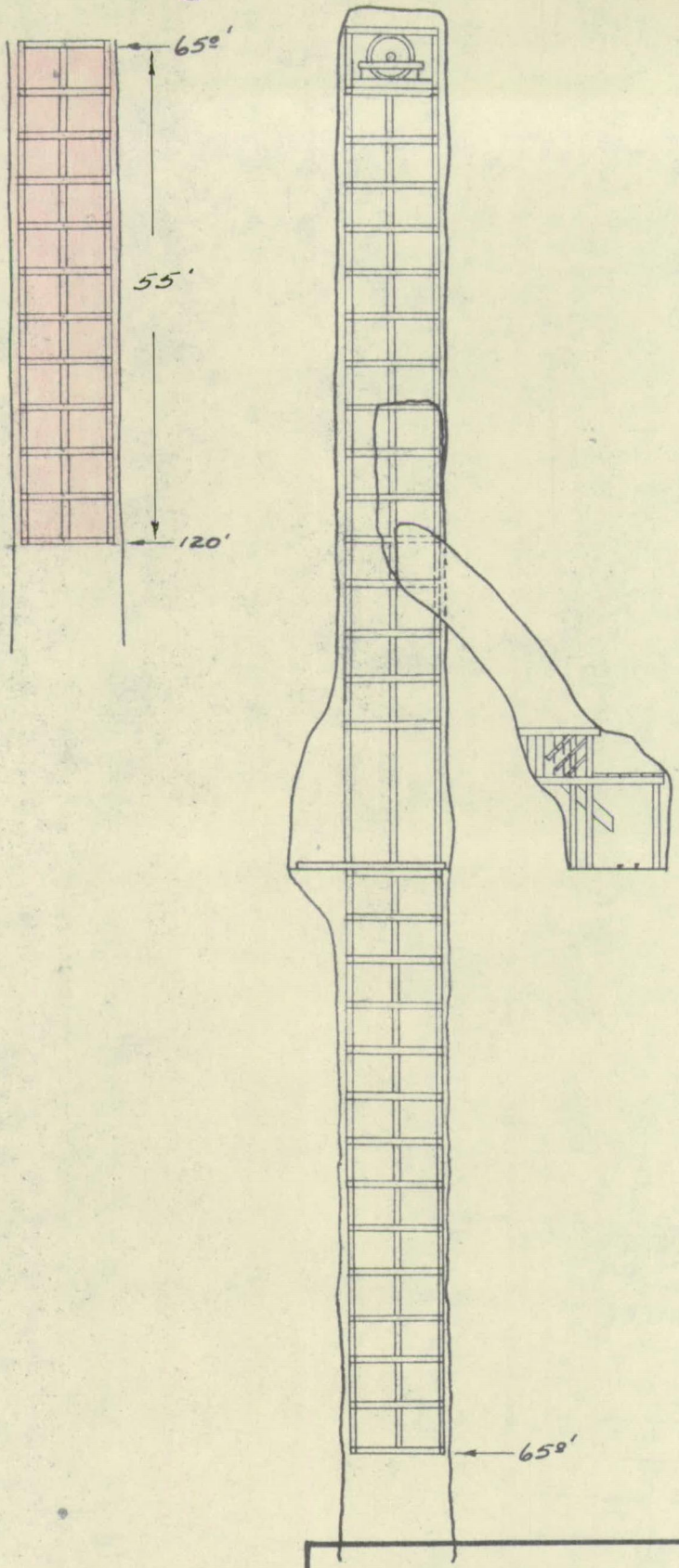

DAY MINES INC.

DMEA 2719 HERCULES WINZE

SCALE 1" = 20'

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YEAR 1957

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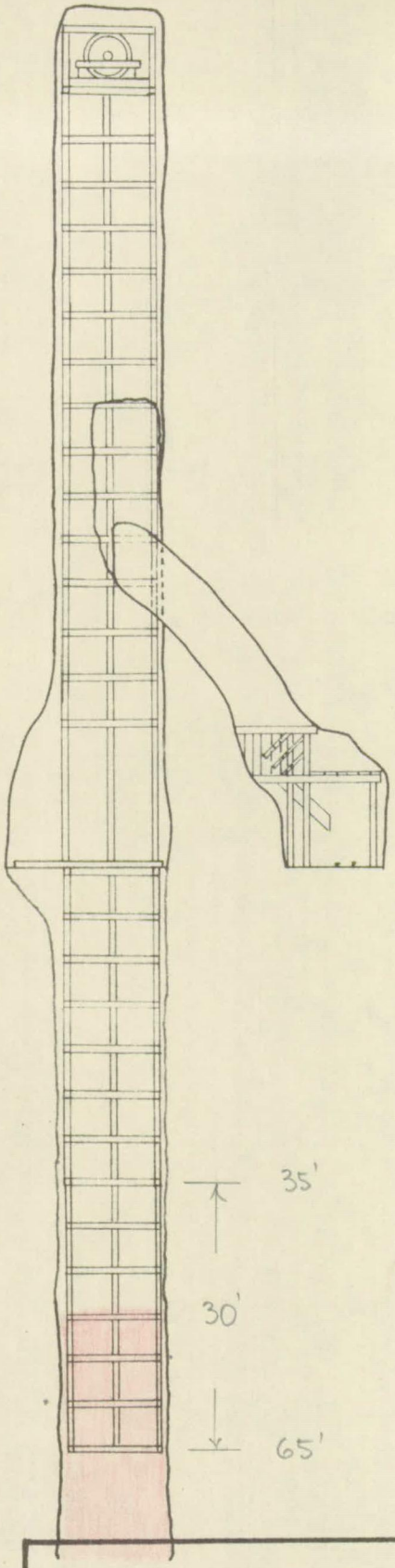

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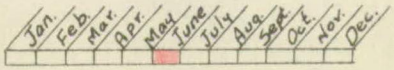

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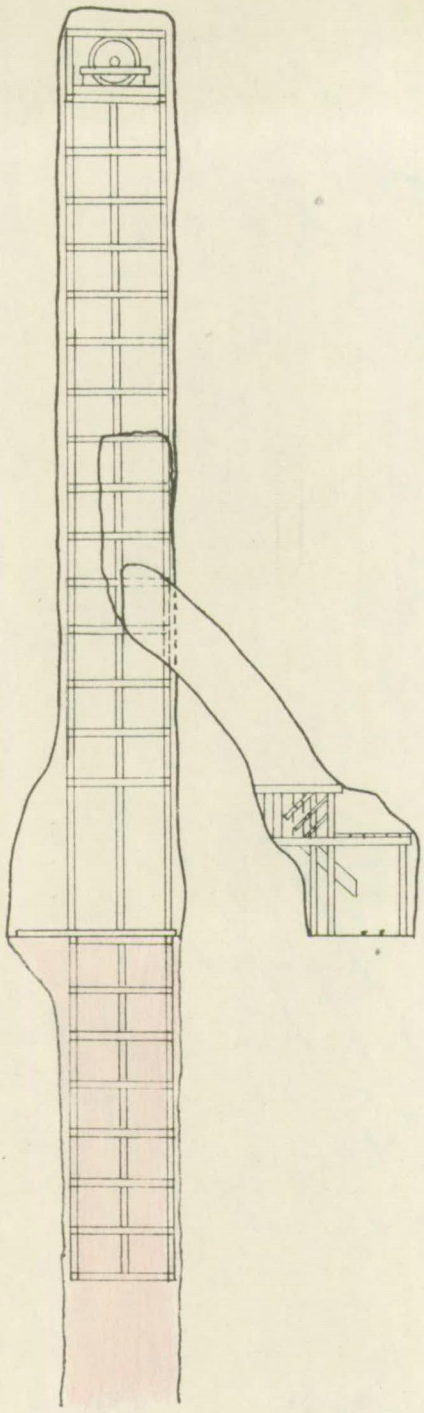

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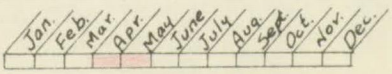

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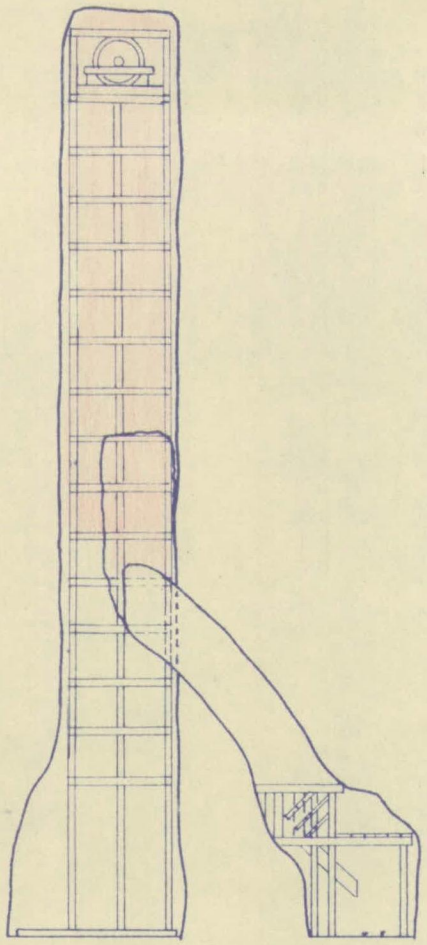

DAY MINES INC.

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SCALE 1" = 20'

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YEAR 1957

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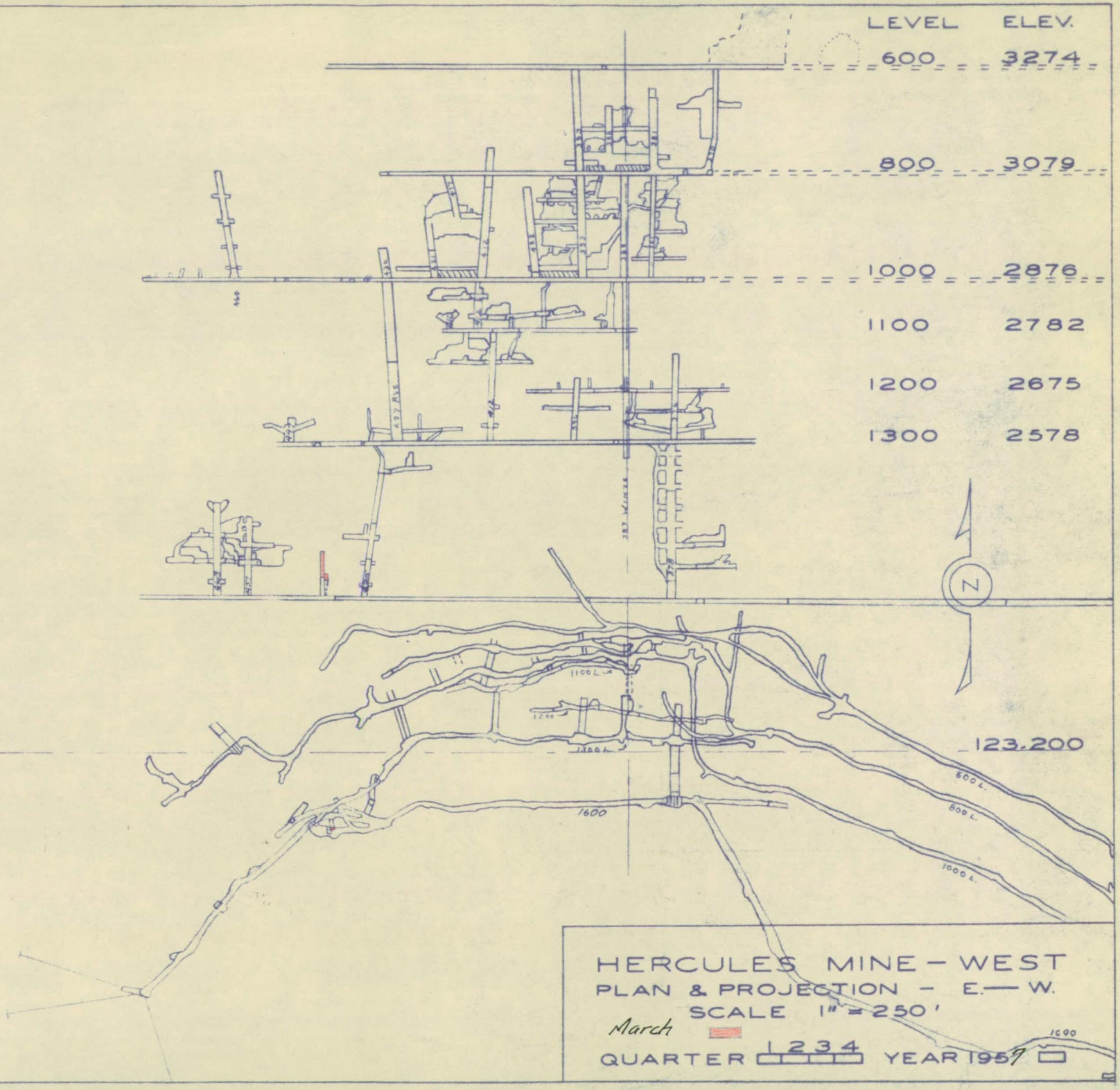
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HERCULES MINE – WEST
PLAN & PROJECTION – E. — W.
SCALE 1" = 250'
March
QUARTER 1 2 3 4 YEAR 1959

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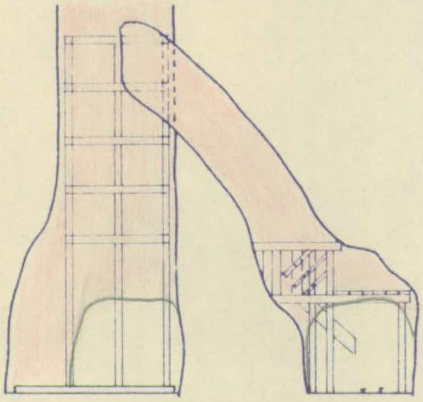

DAY MINES INC.

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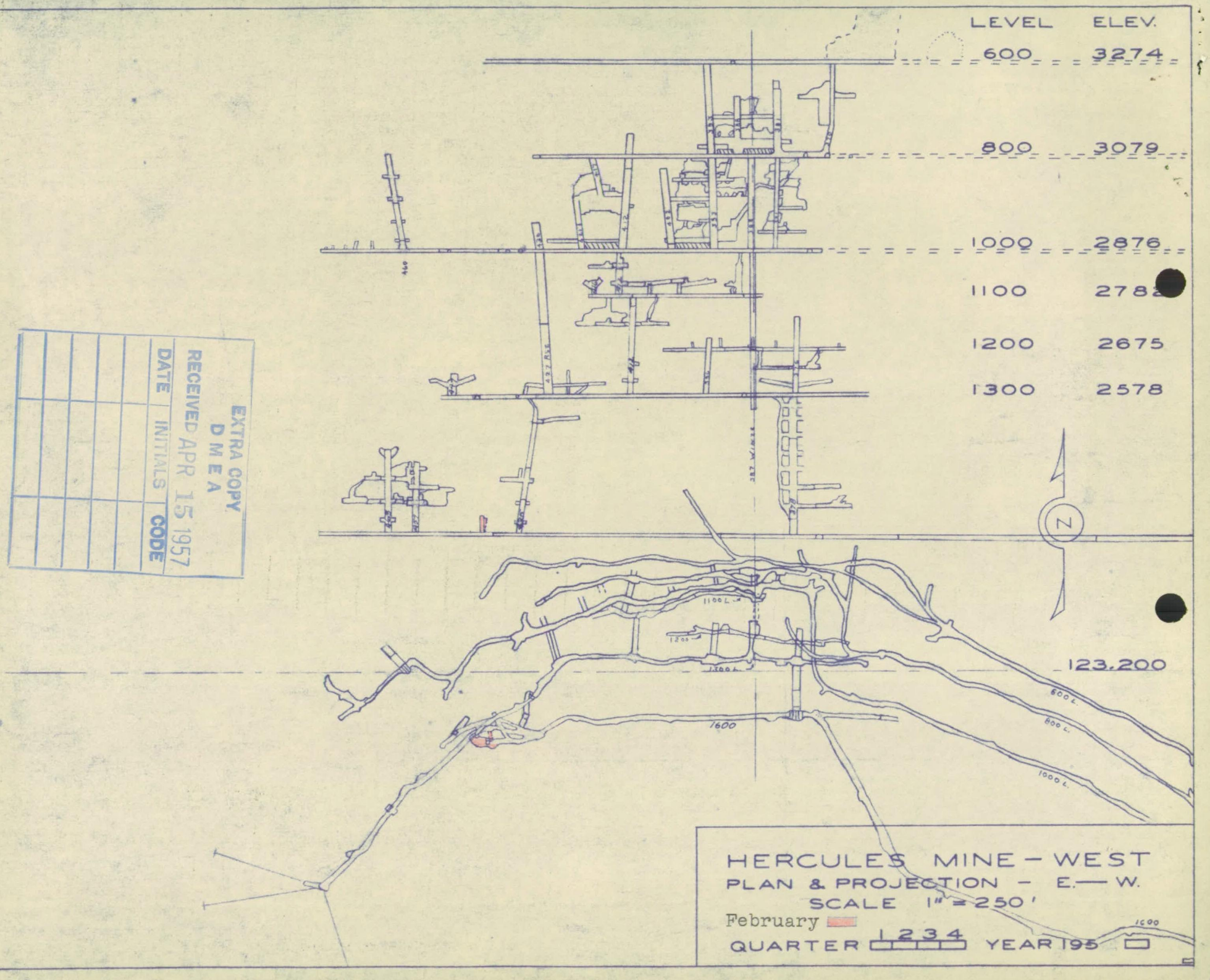

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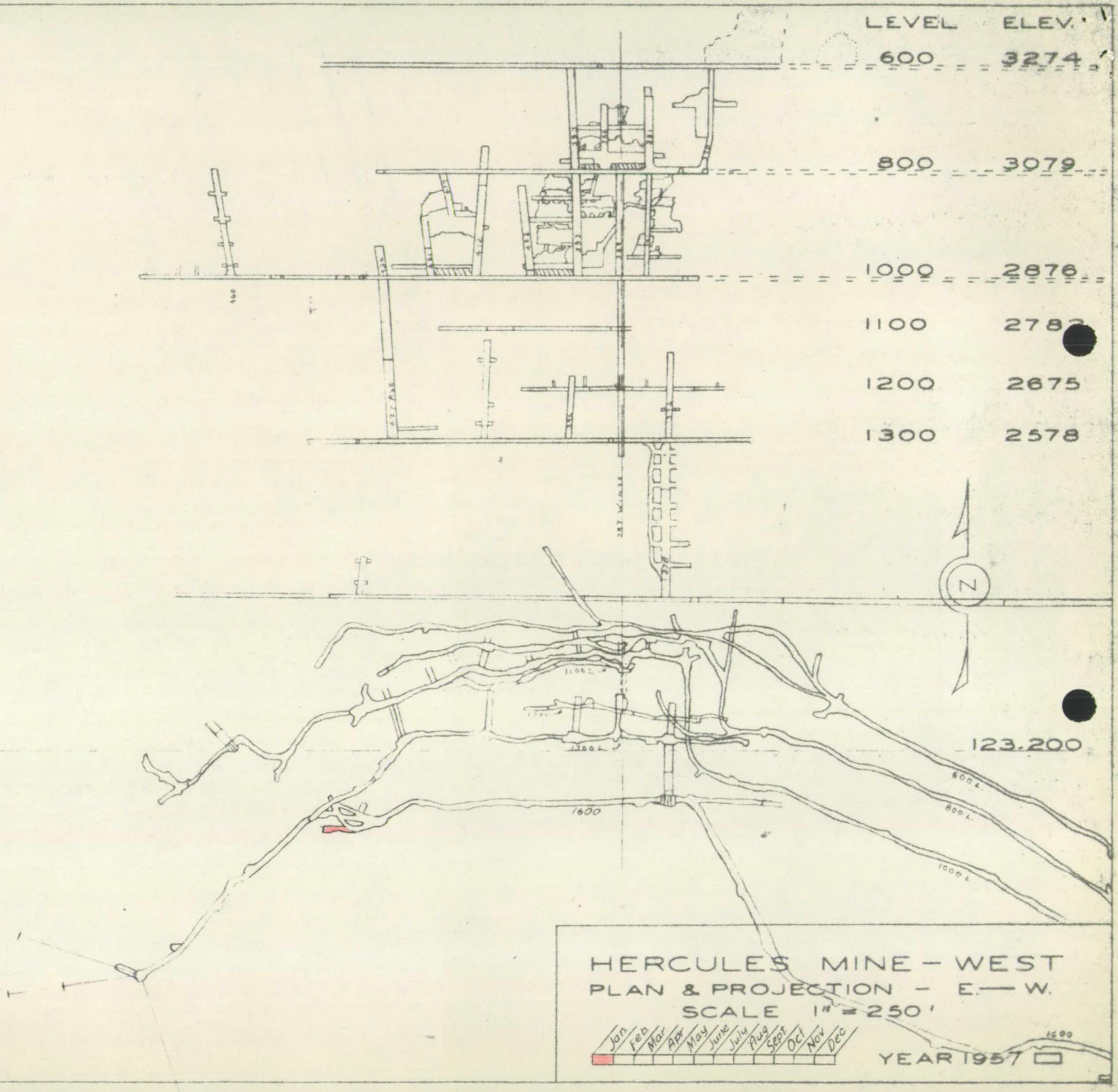
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PLAN & PROJECTION - E. — W.
SCALE 1" = 250'
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec
YEAR 1957

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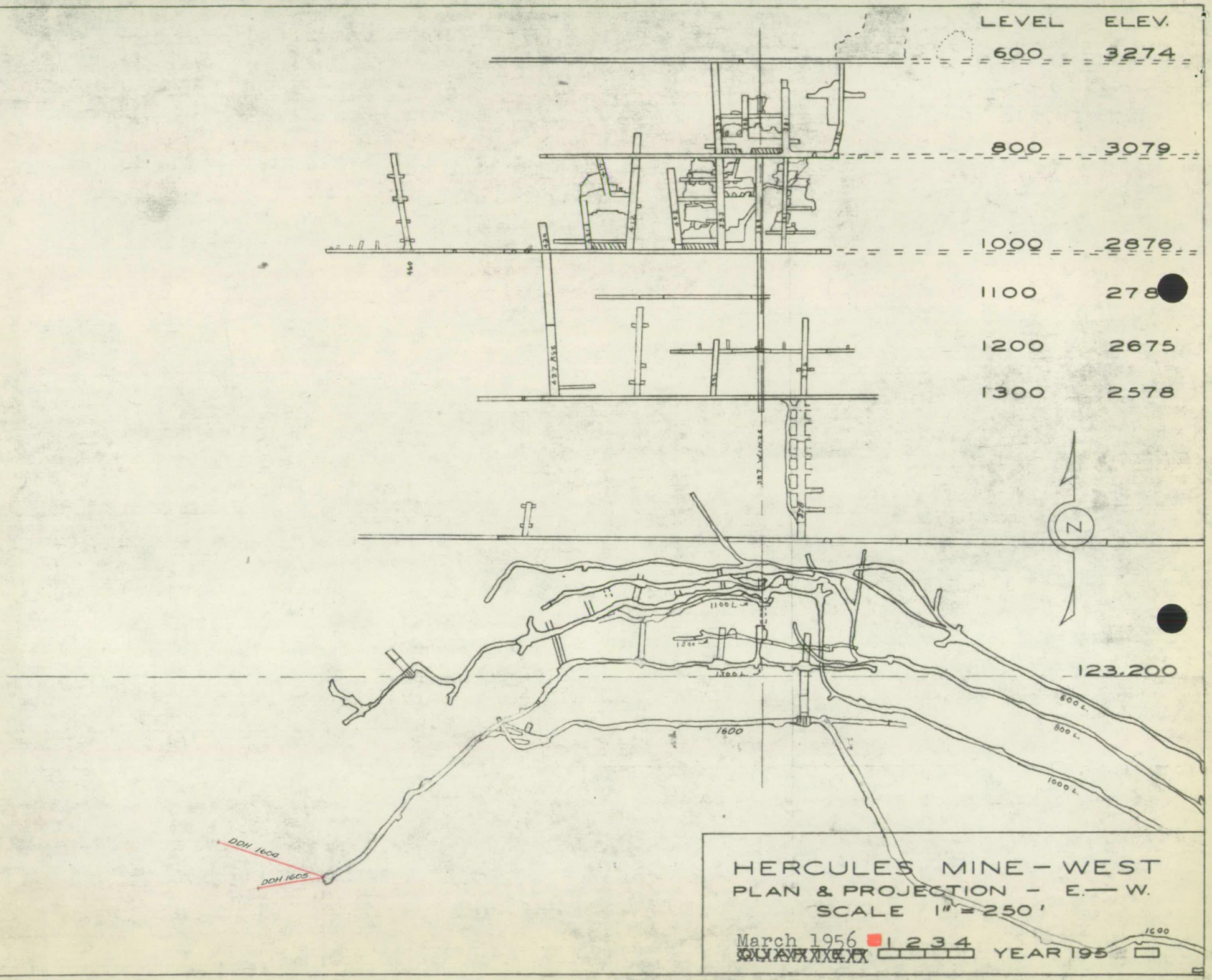
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PLAN & PROJECTION – E.— W.
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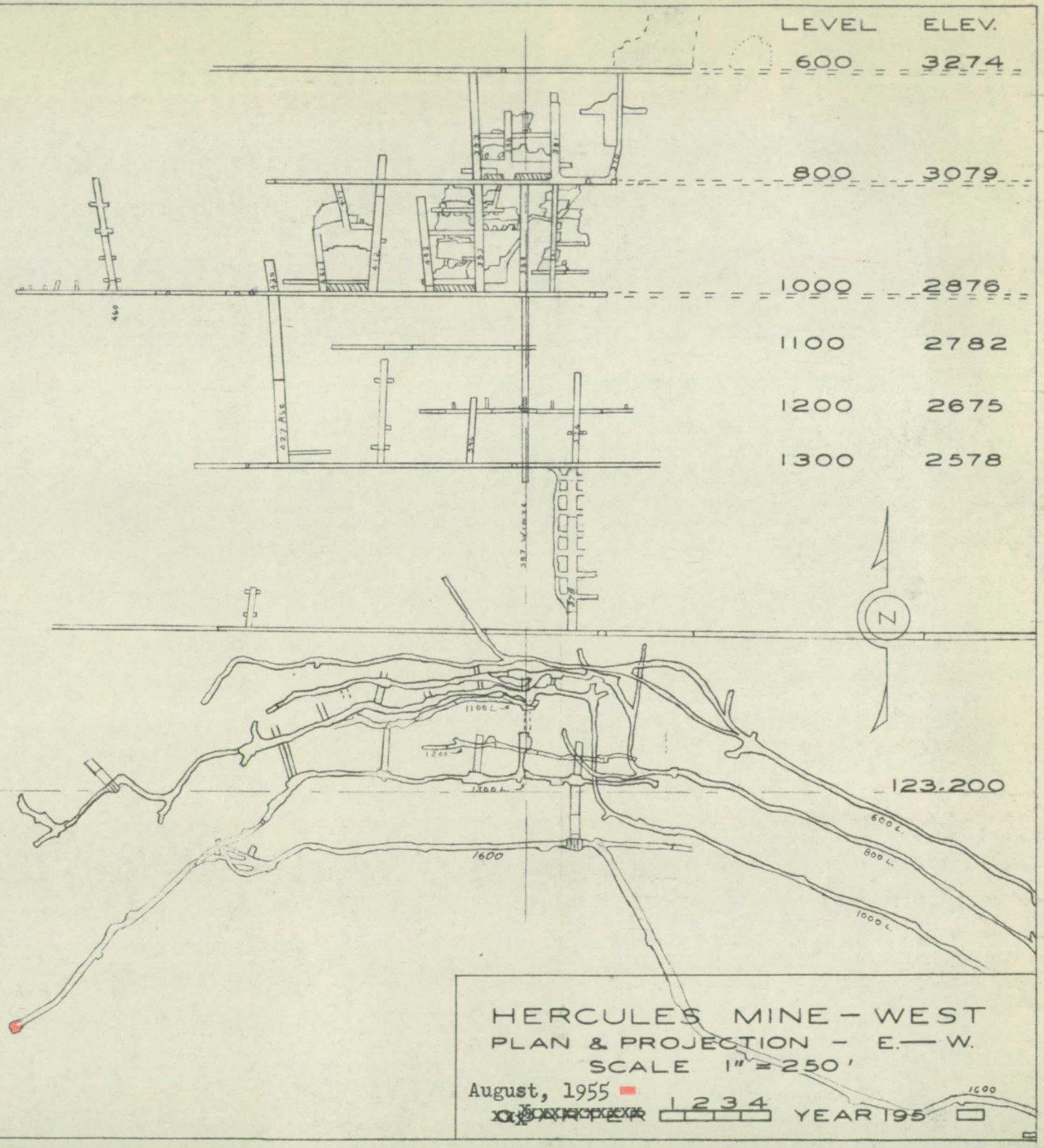
March 1956
1 2 3 4
YEAR 195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PLAN & PROJECTION - E.— W.
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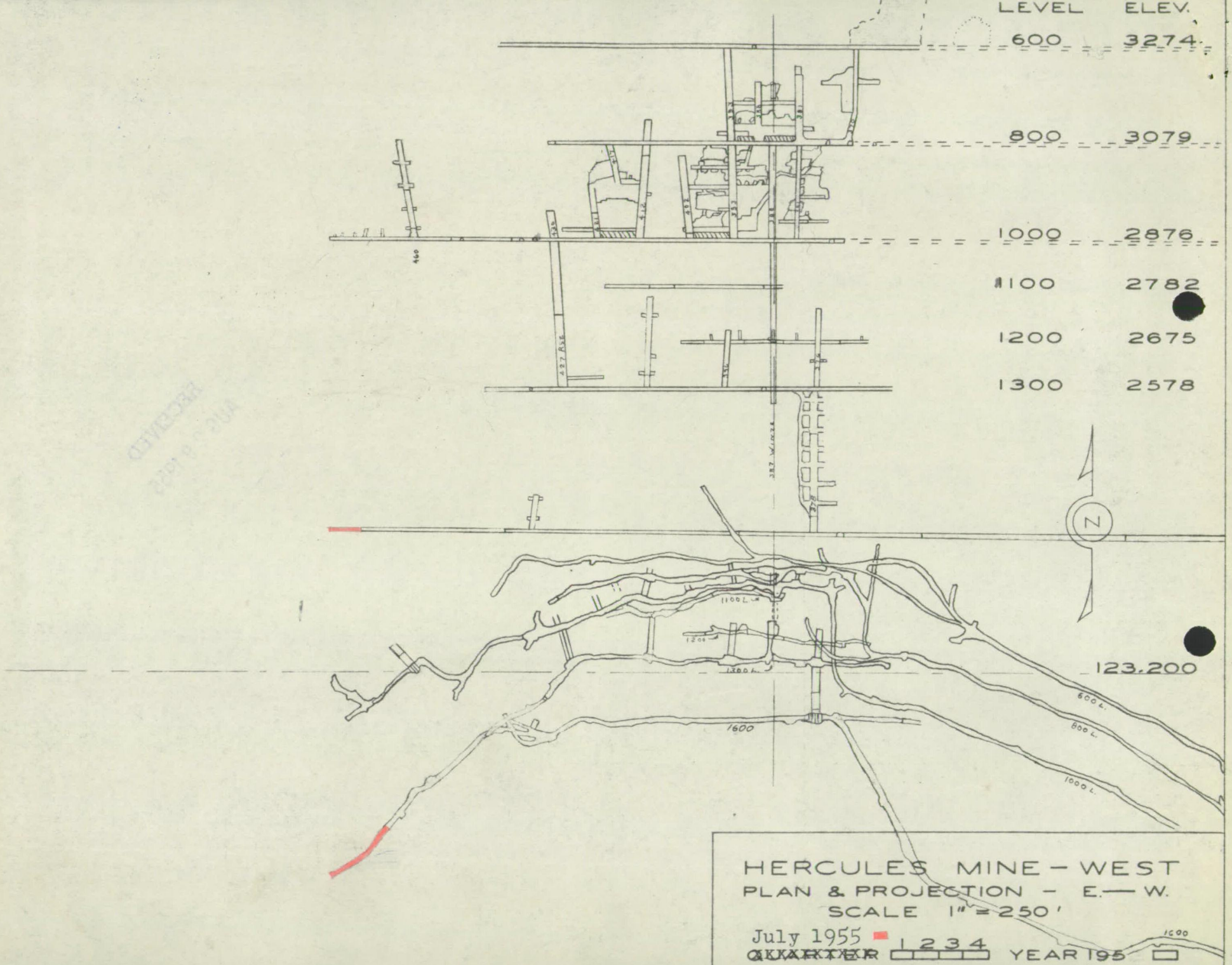
August, 1955
1 2 3 4
YEAR 195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HERCULES MINE – WEST
PLAN & PROJECTION – E.— W.
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July 1955
QUARTER 1 2 3 4 YEAR 195

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AUG 29 1955

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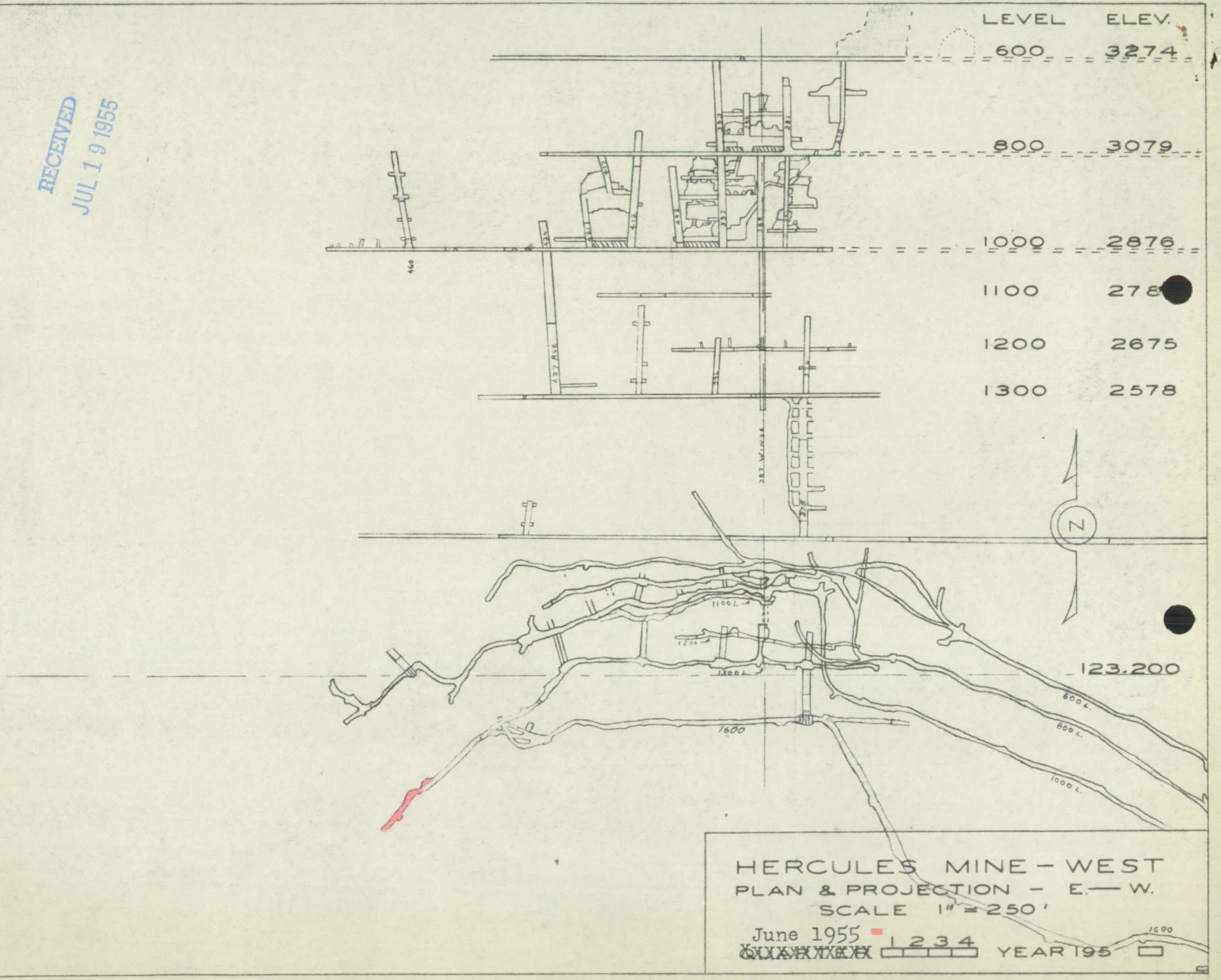
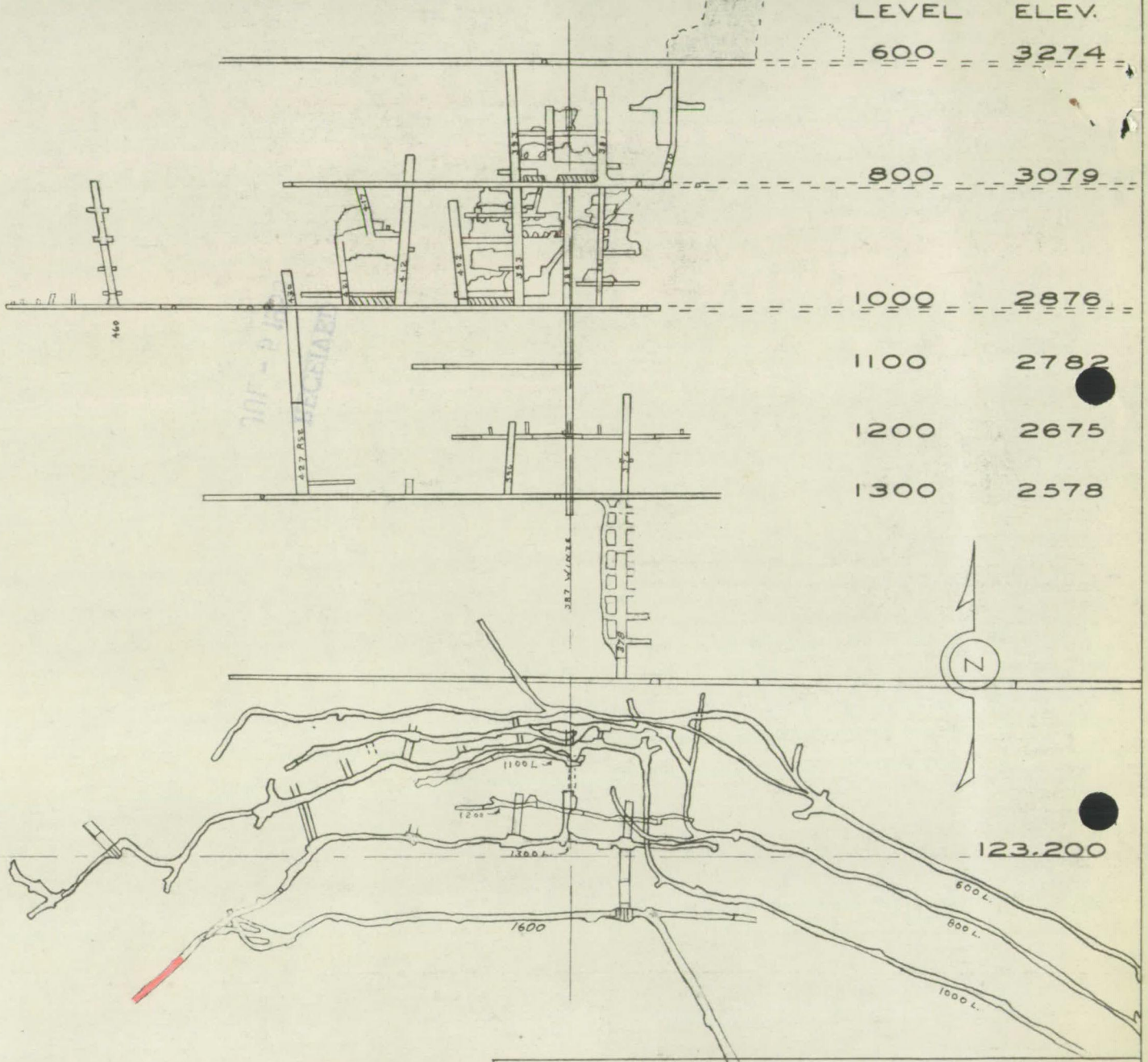
JUL 19 1955





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May 1955

1 2 3 4 YEAR 195

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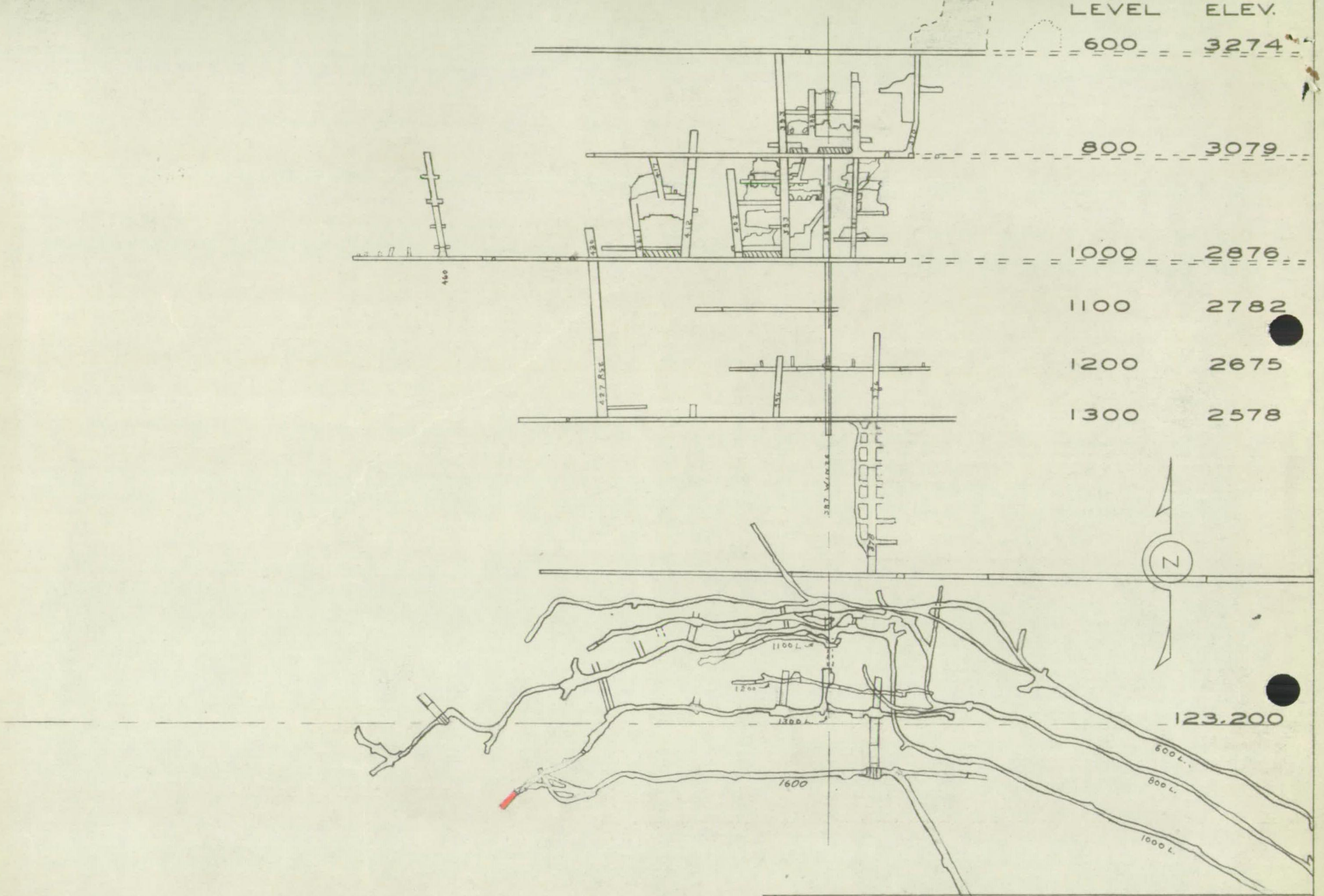

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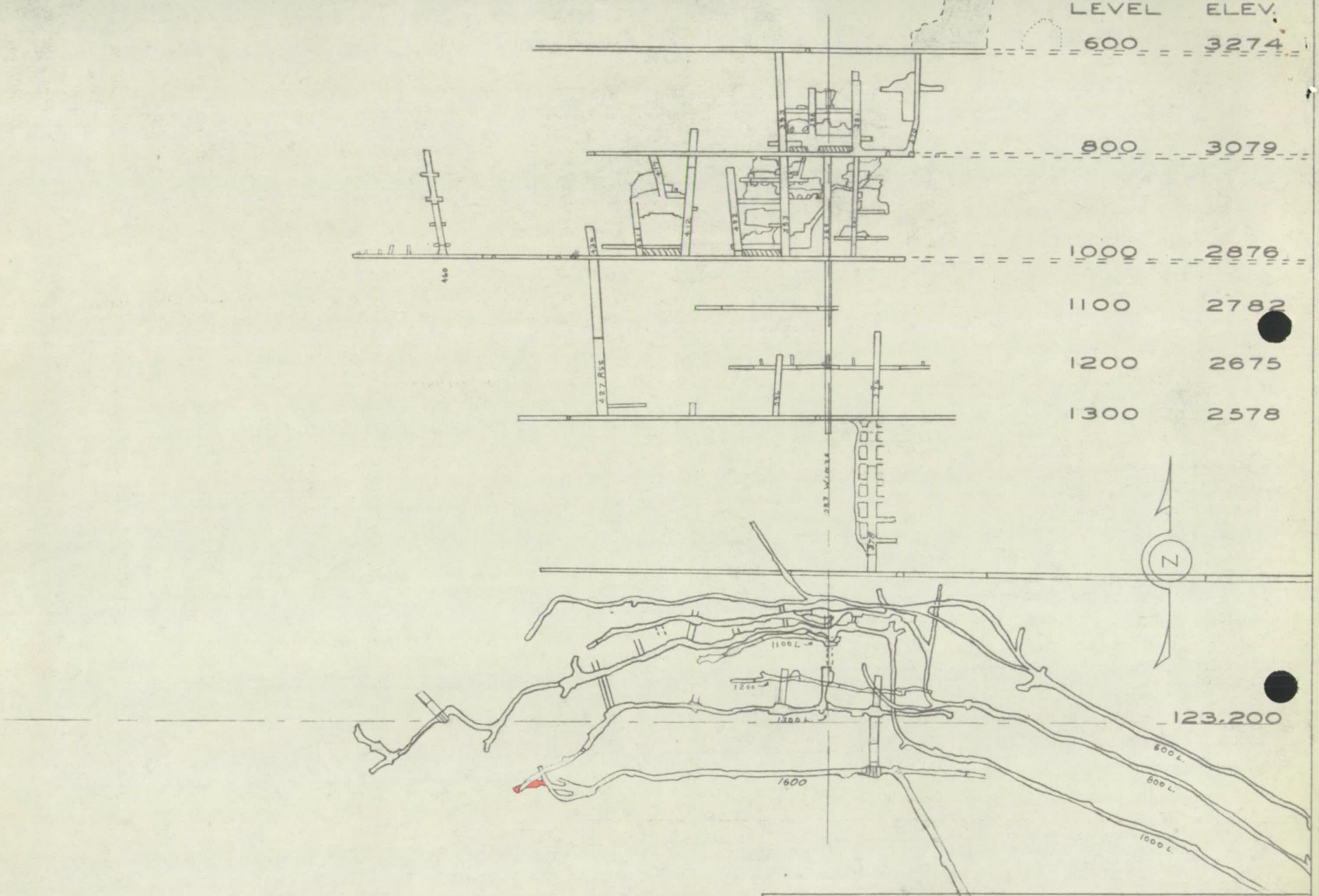

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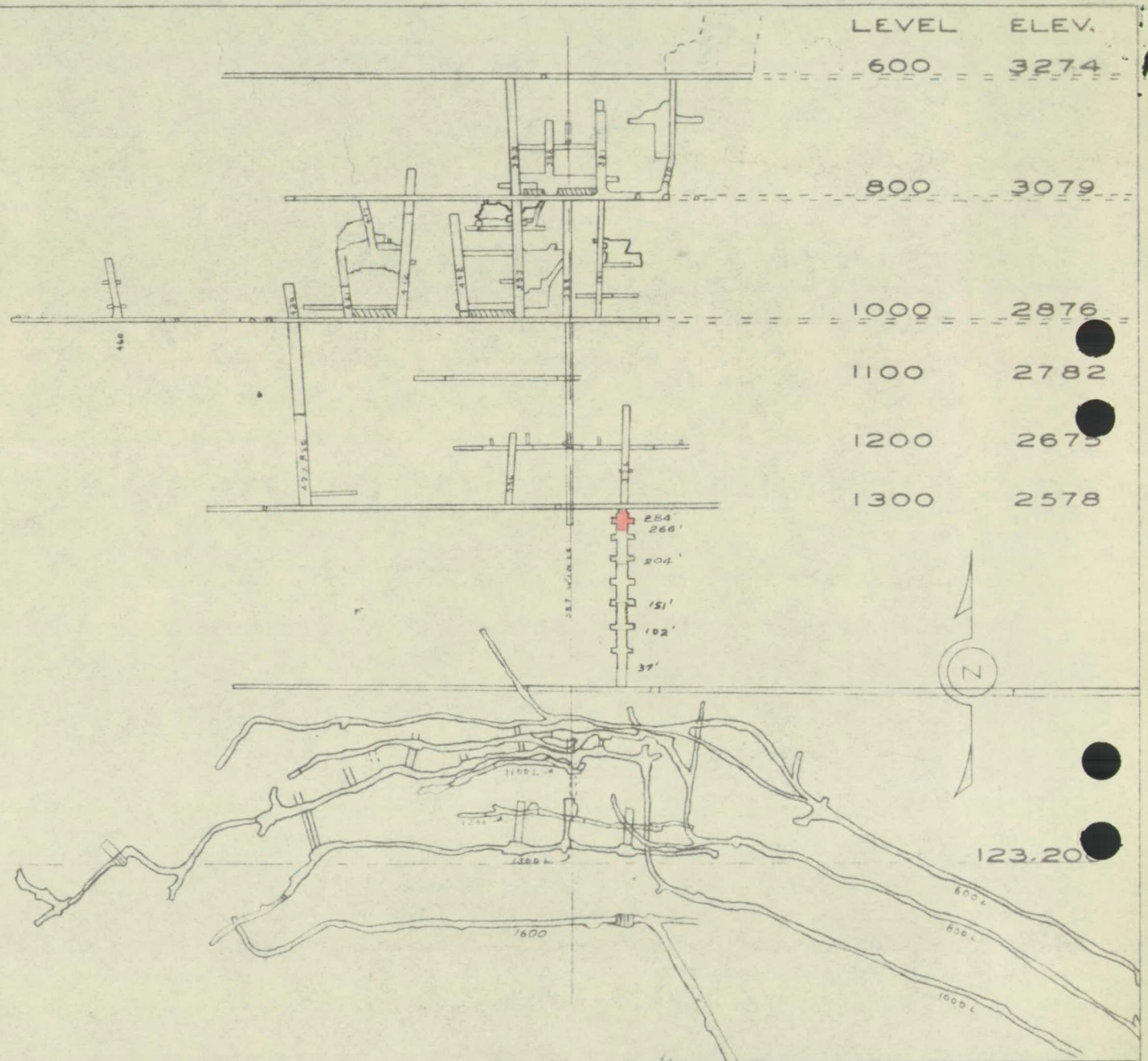
QUARTER 1 2 3 4 YEAR 195



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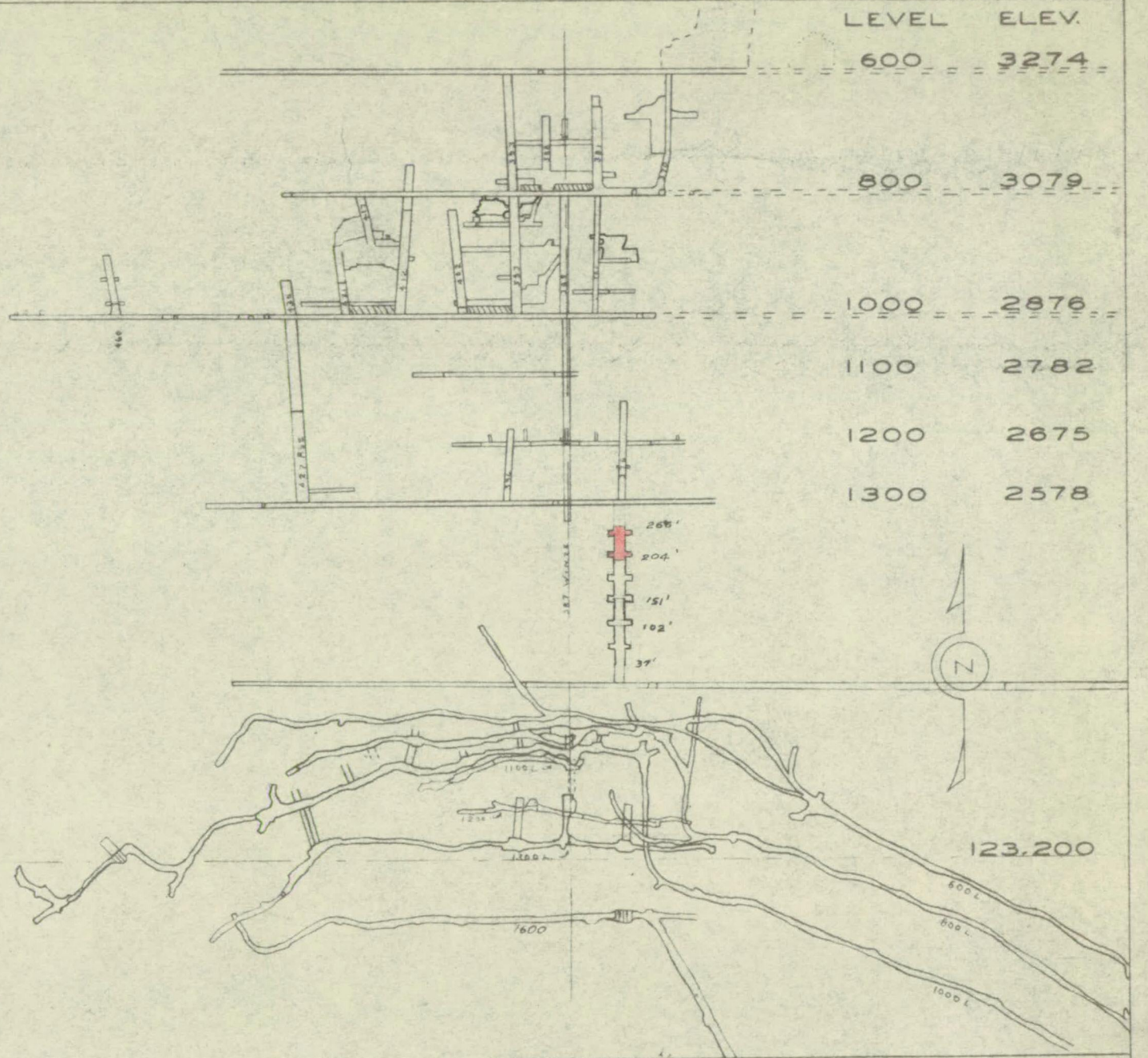

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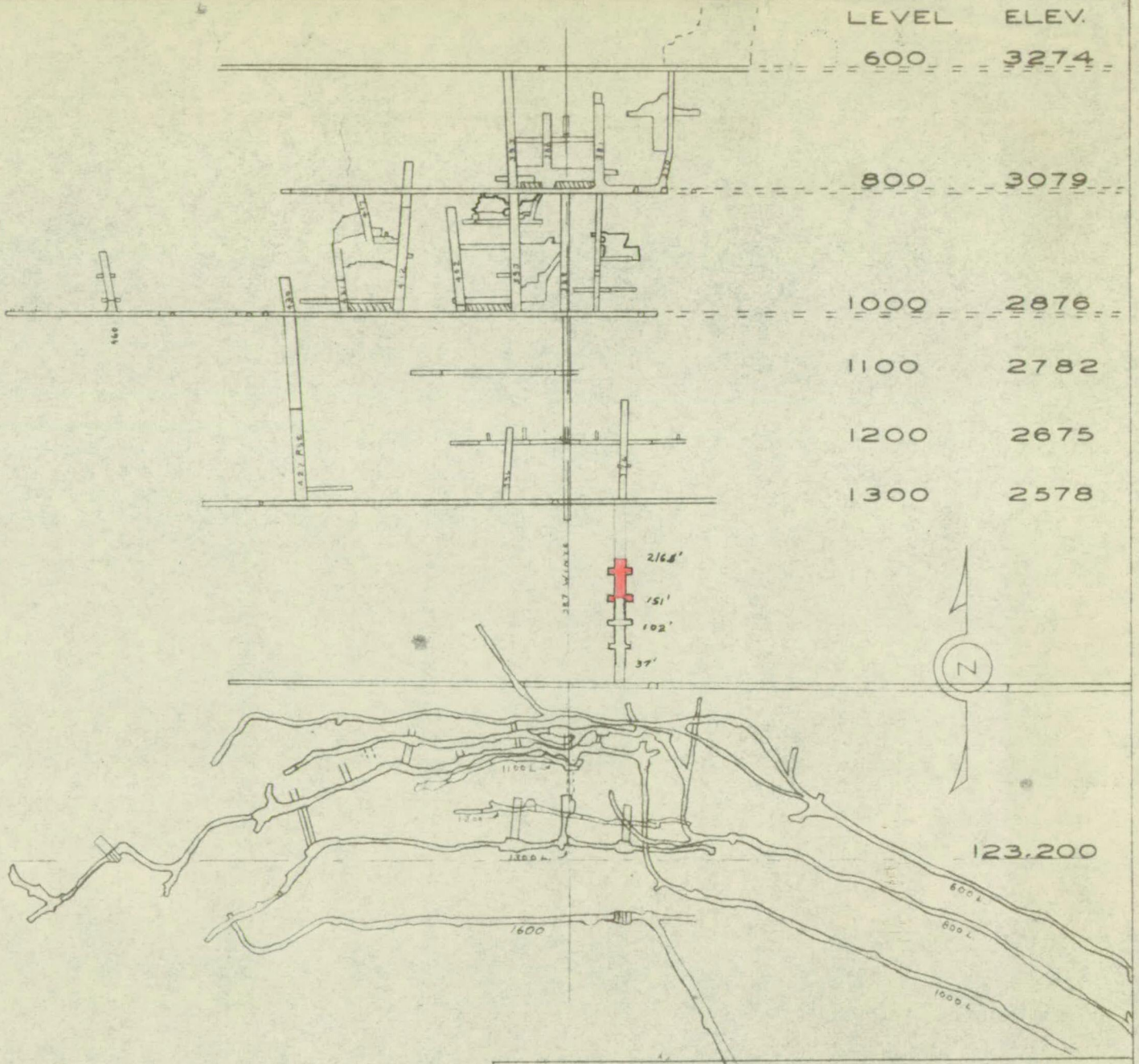
OCTOBER
~~XXXXXXXXXX~~ 1 2 3 4 YEAR 1954



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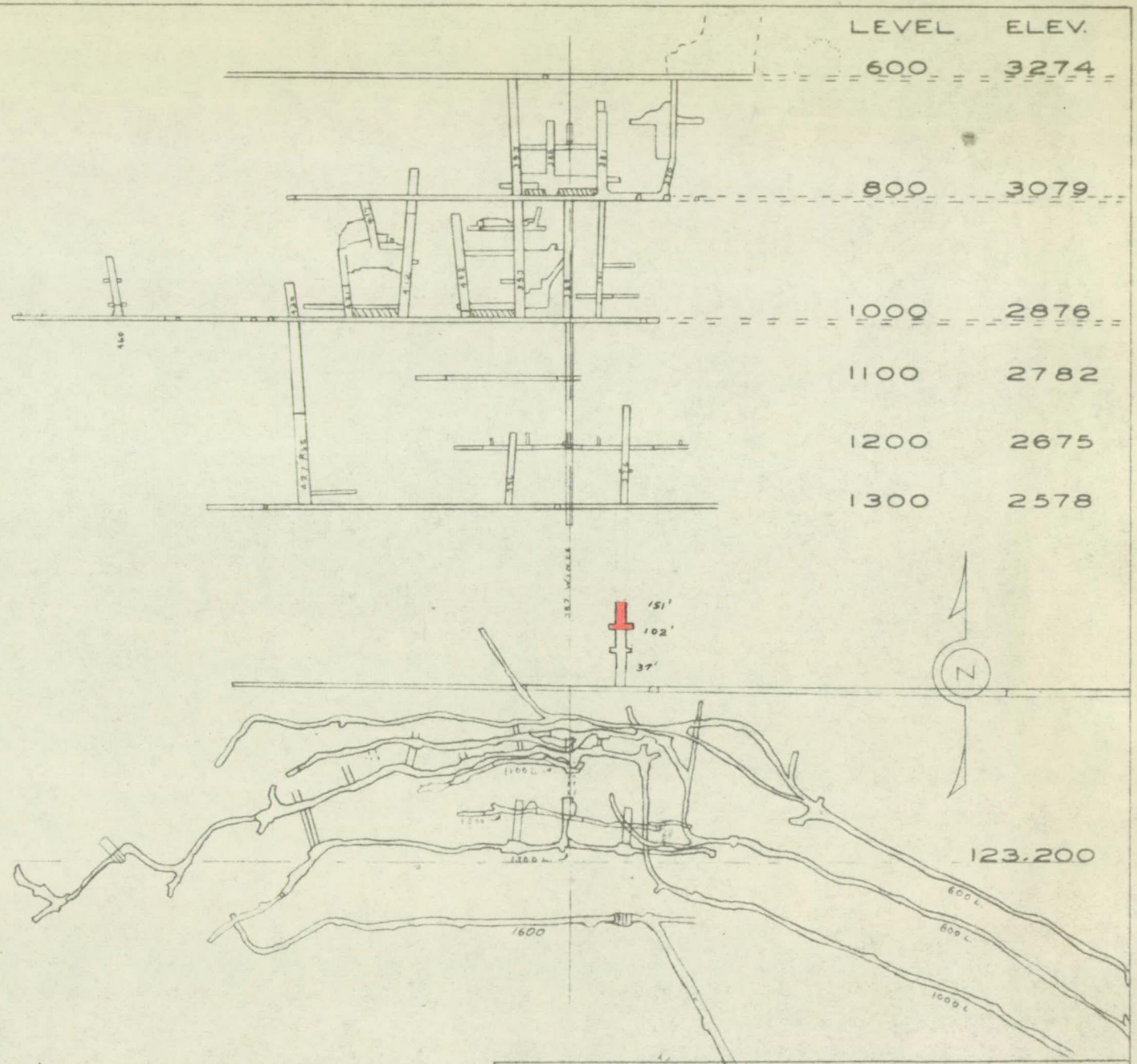
PLAN & PROJECTION - E.— W.
SCALE 1" = 250'

September
QUARTER 1 2 3 4 YEAR 1954



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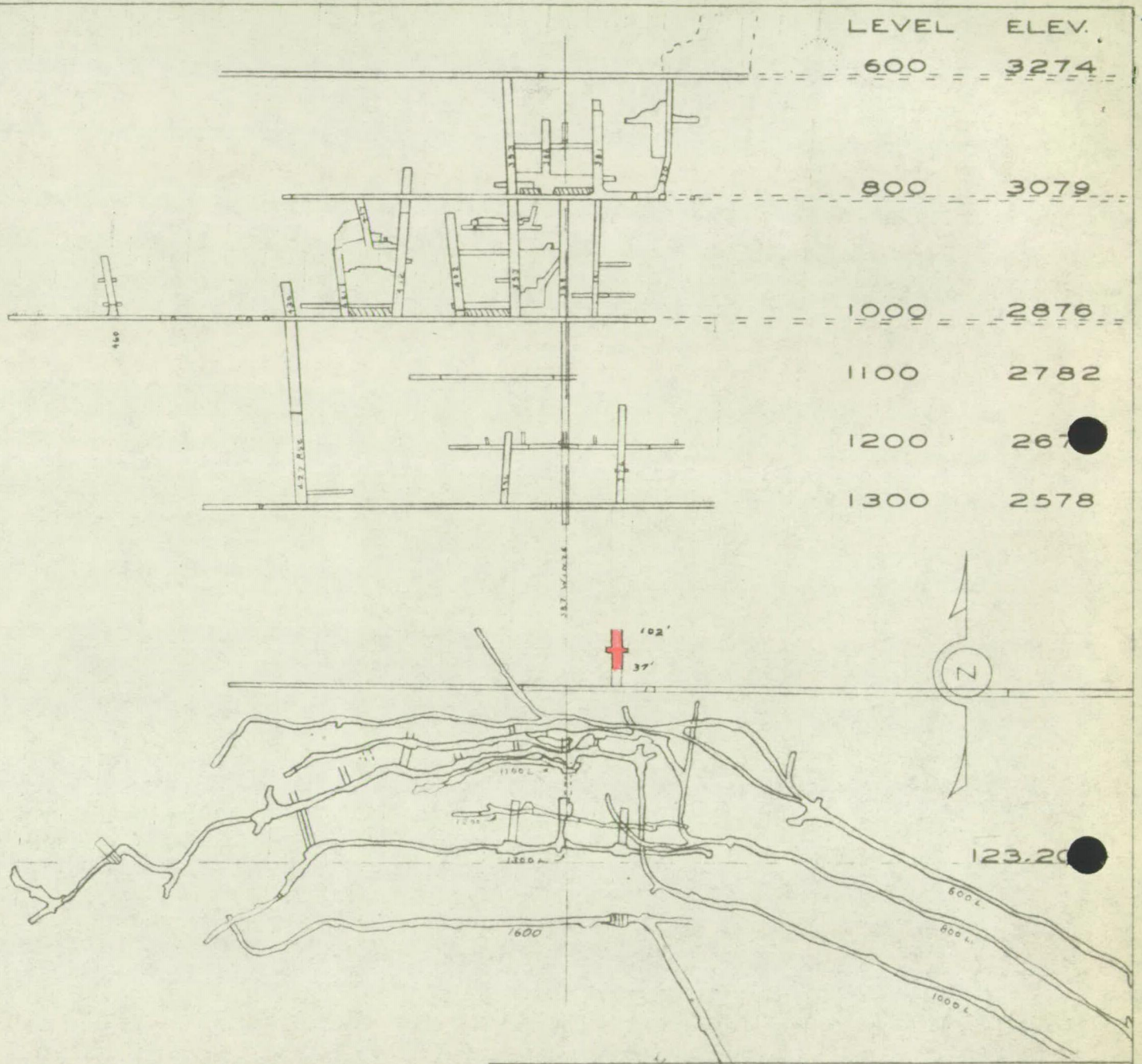
PLAN & PROJECTION – E. — W.
SCALE 1" = 250'

August
~~QUARTER~~ XXXXXXXXXXX 1 2 3 4 YEAR 195 4



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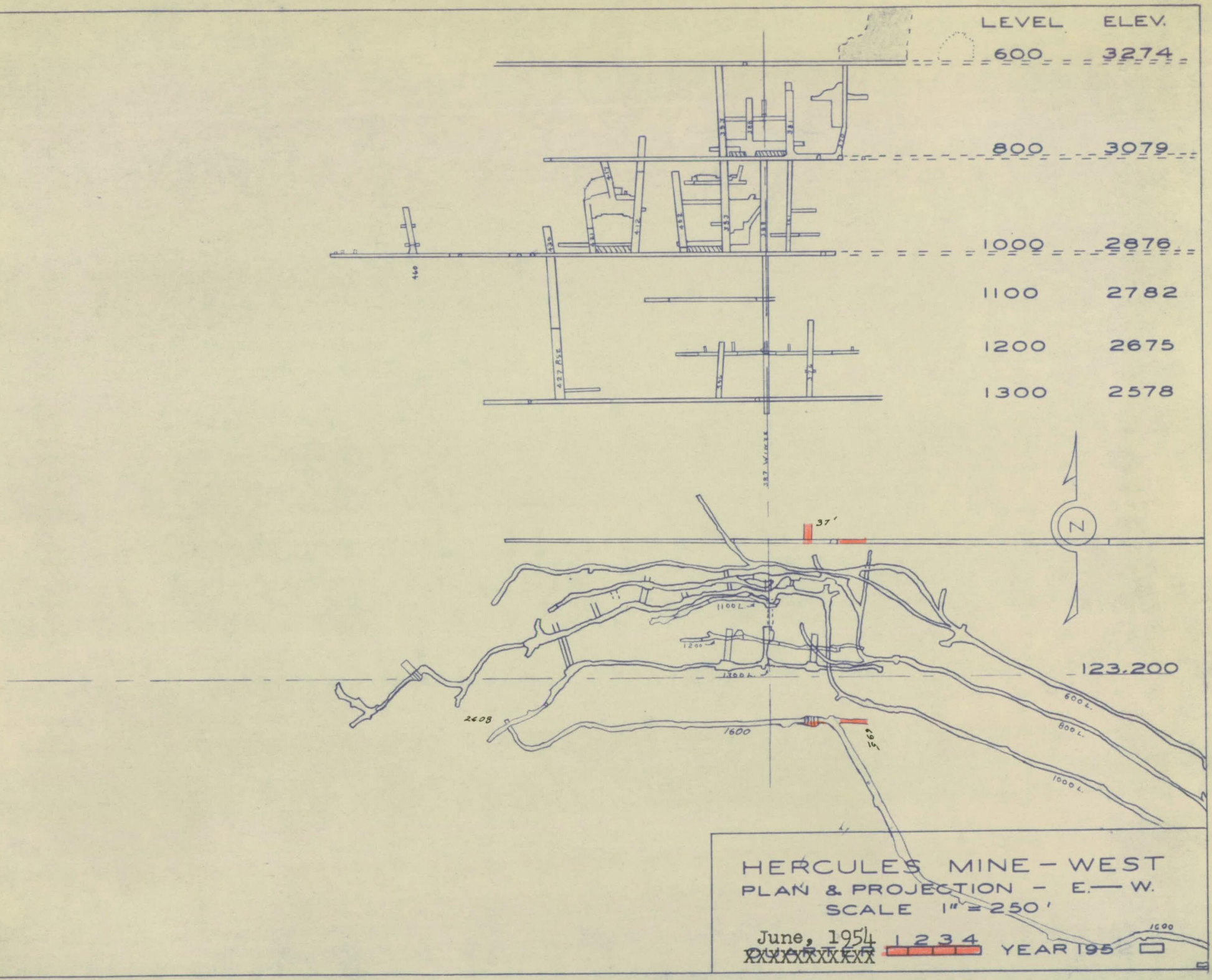
PLAN & PROJECTION – E. — W.
SCALE 1" = 250'

July 1 2 3 4 YEAR 1954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1000 L.
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PLAN & PROJECTION - E. — W.
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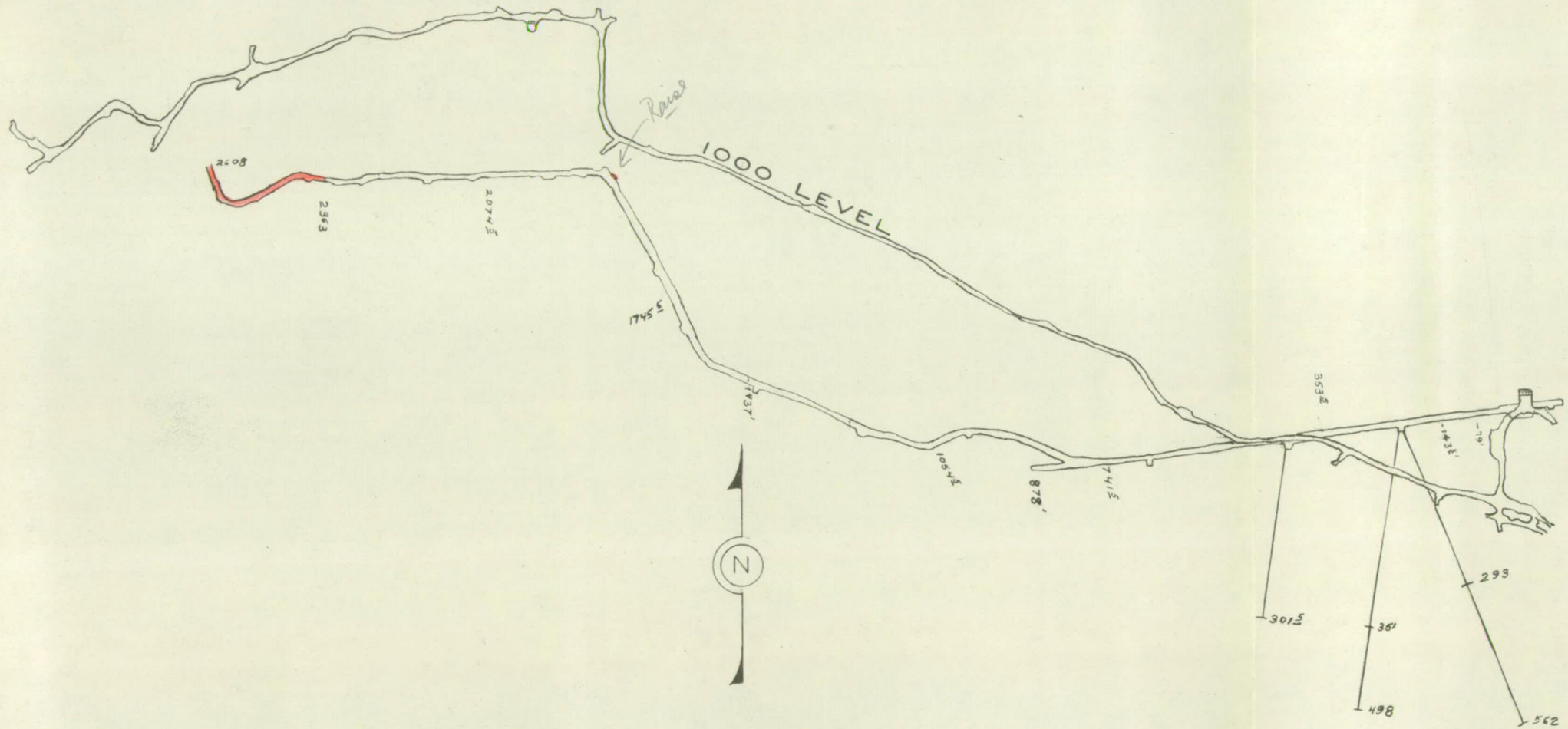
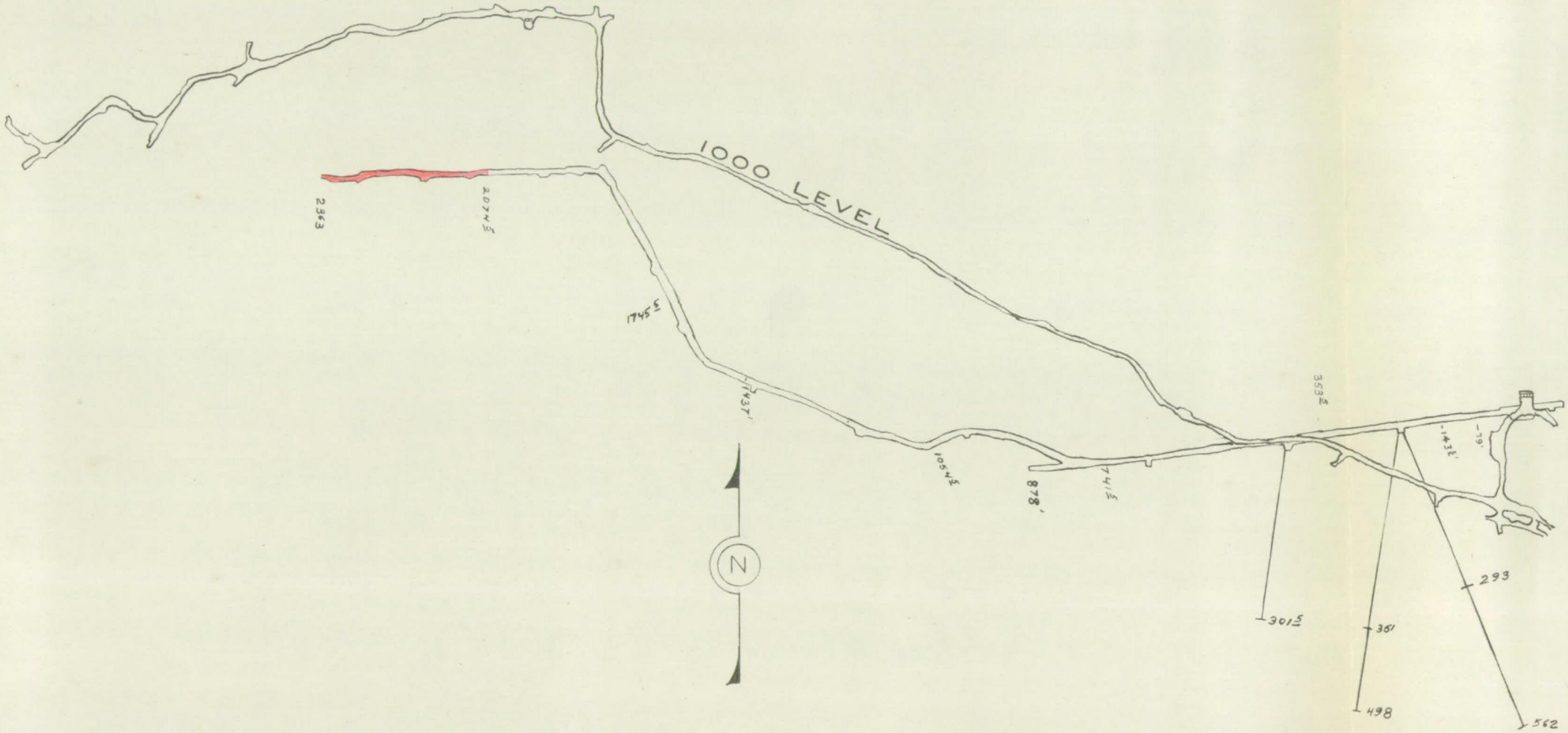
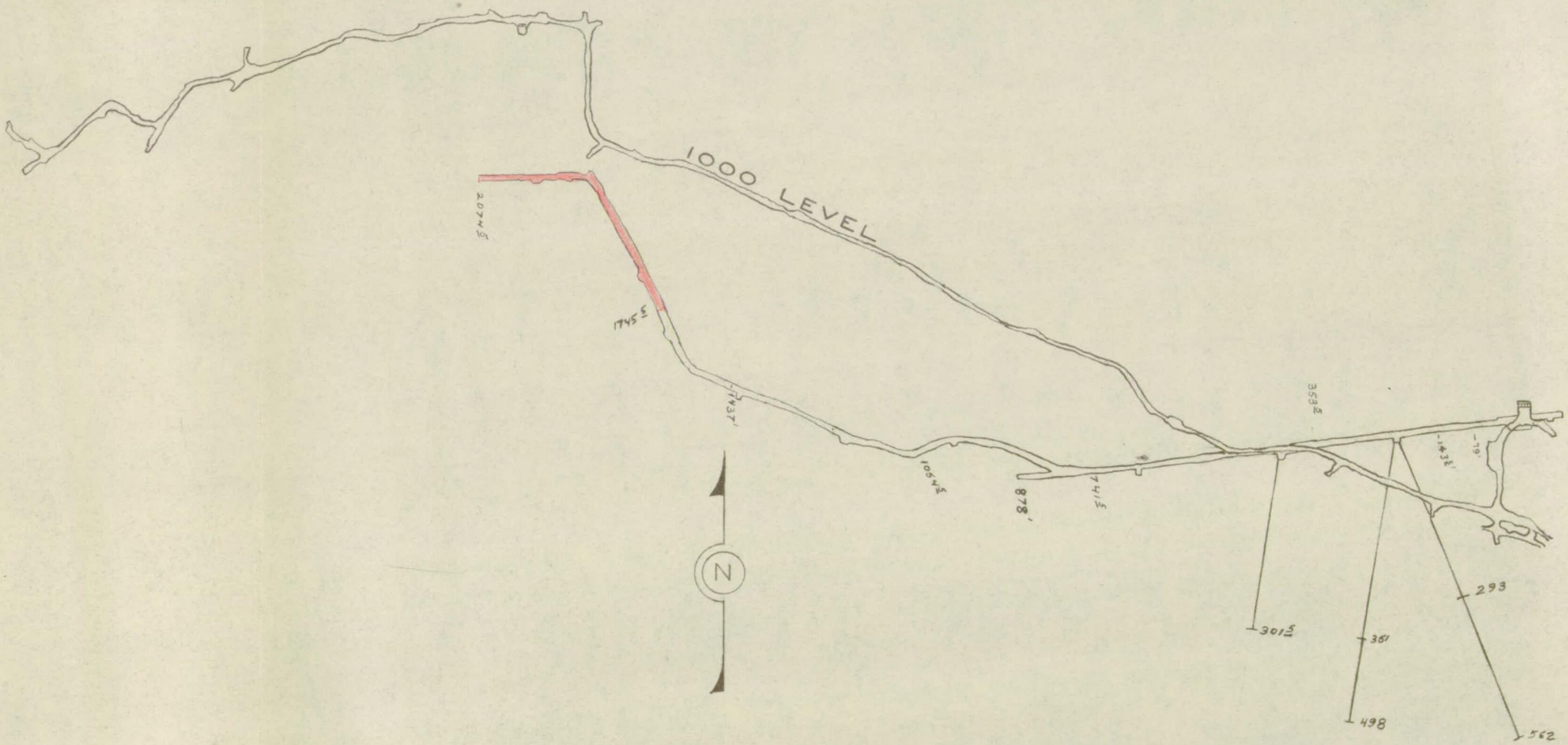
June, 1954
QUARTER 1 2 3 4 YEAR 195



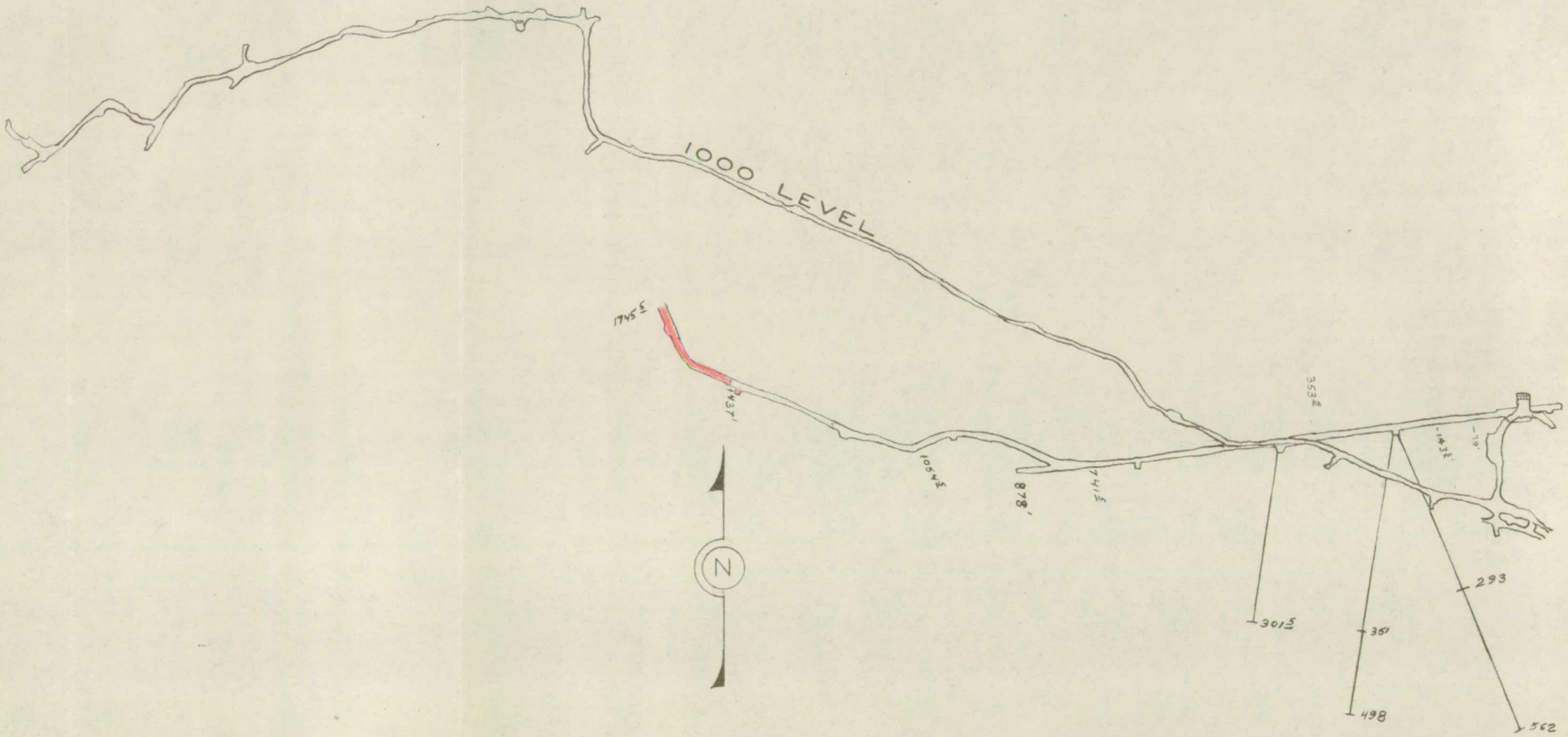
HERCULES MINE
1600
PROGRESS FOR PERIOD May, 1954
SCALE 1" = 250'



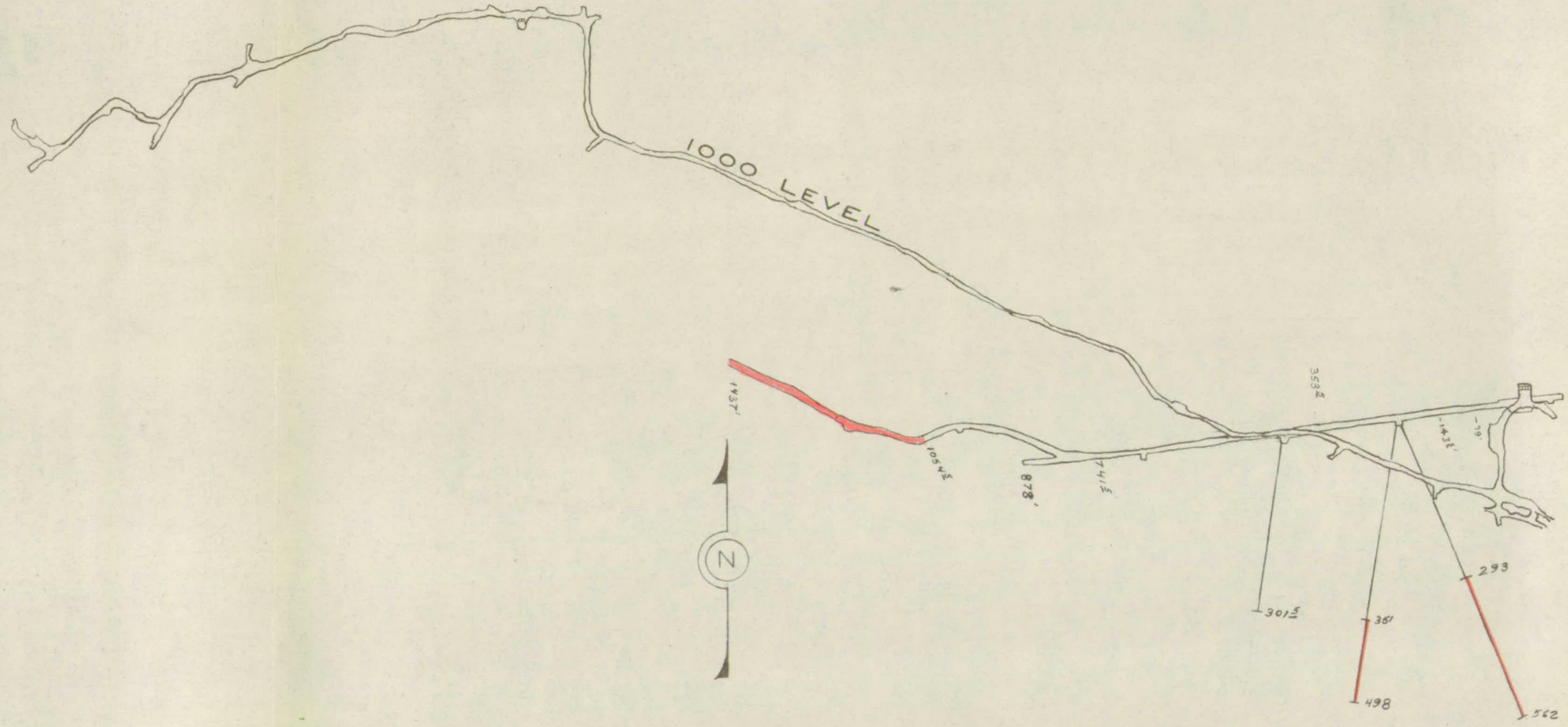
HERCULES MINE
1600
PROGRESS FOR PERIOD April, 1954
SCALE 1" = 250'



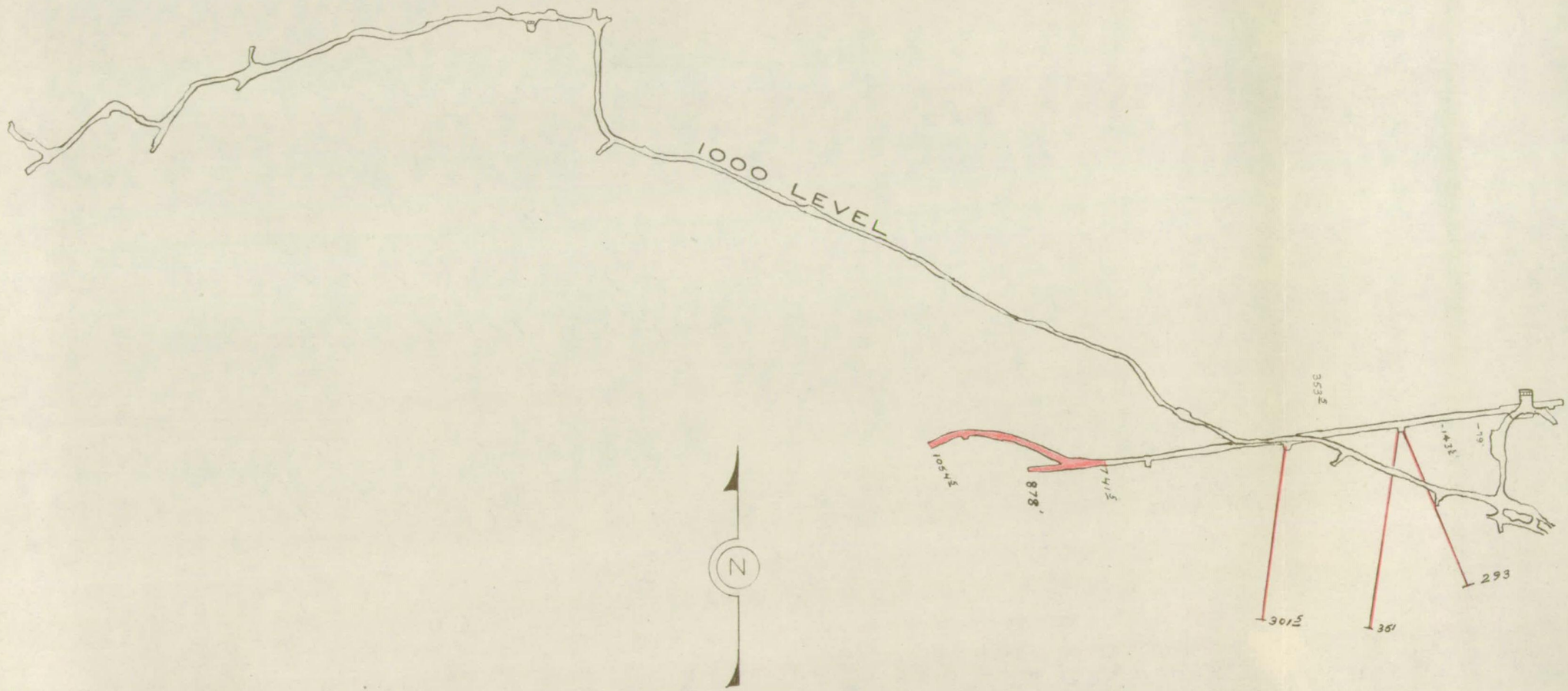
HERCULES MINE
1600
PROGRESS FOR PERIOD March, 54
SCALE 1" = 250'



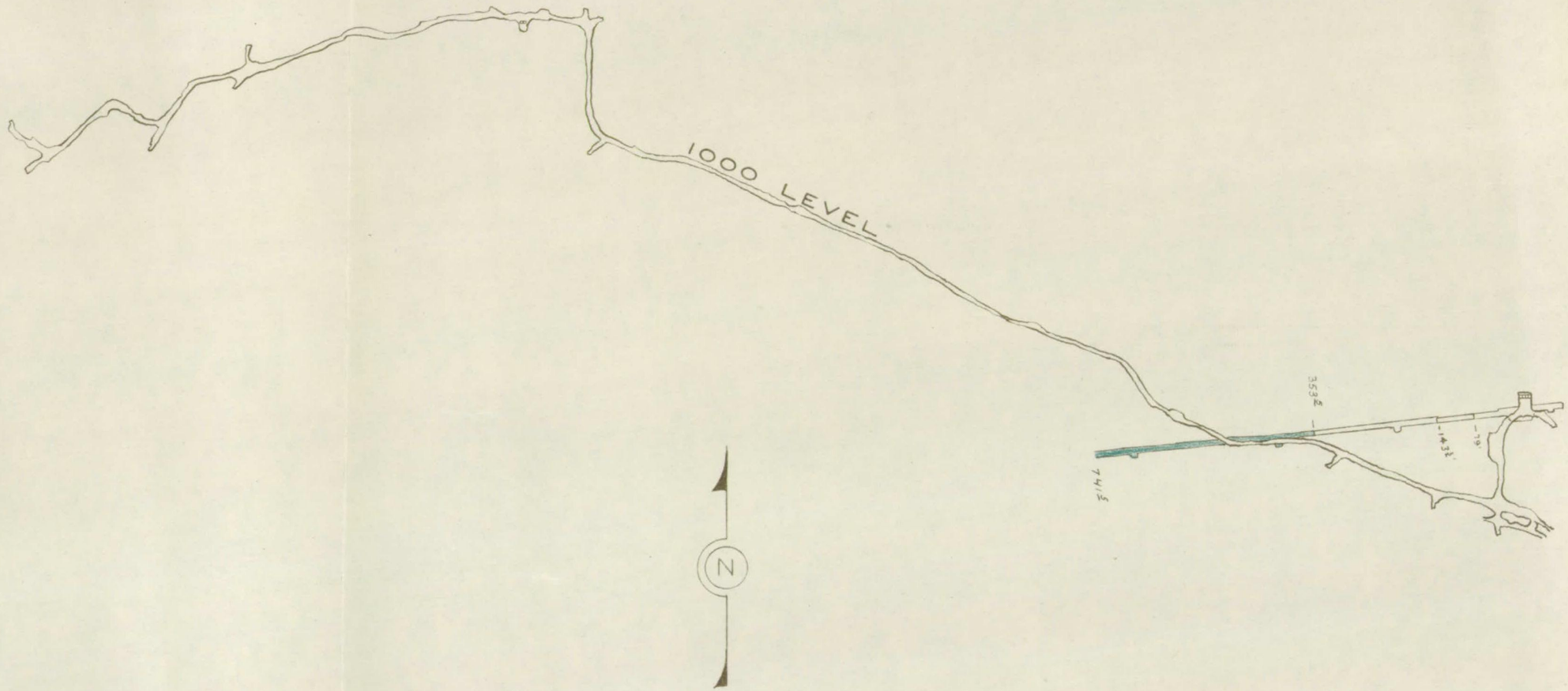
HERCULES MINE
1600
PROGRESS FOR PERIOD February 1954
SCALE 1" = 250'



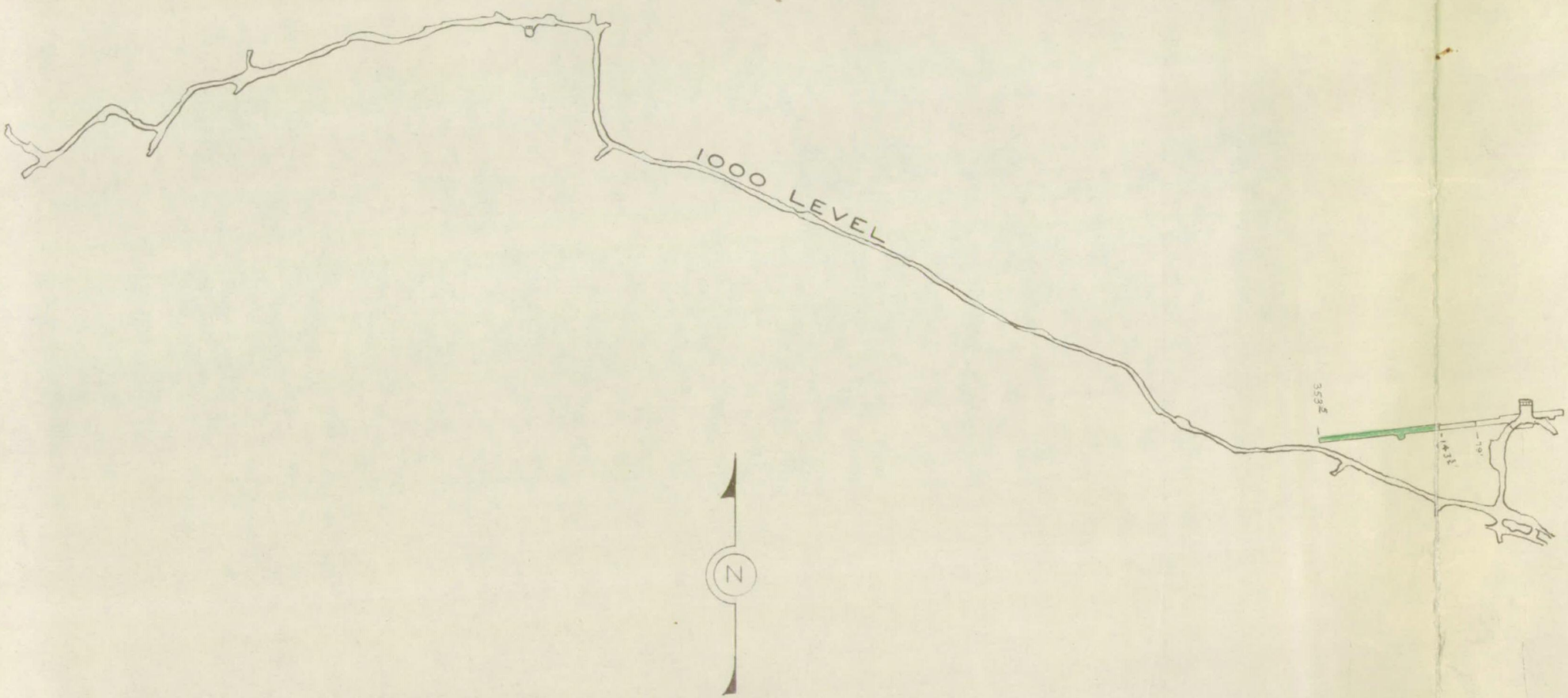
HERCULES MINE
1600
PROGRESS FOR PERIOD January, '54
SCALE 1" = 250'



HERCULES MINE
1600
PROGRESS FOR PERIOD December, 1953
SCALE 1" = 250'



HERCULES MINE
1600
PROGRESS FOR PERIOD November 1953
SCALE 1" = 250'

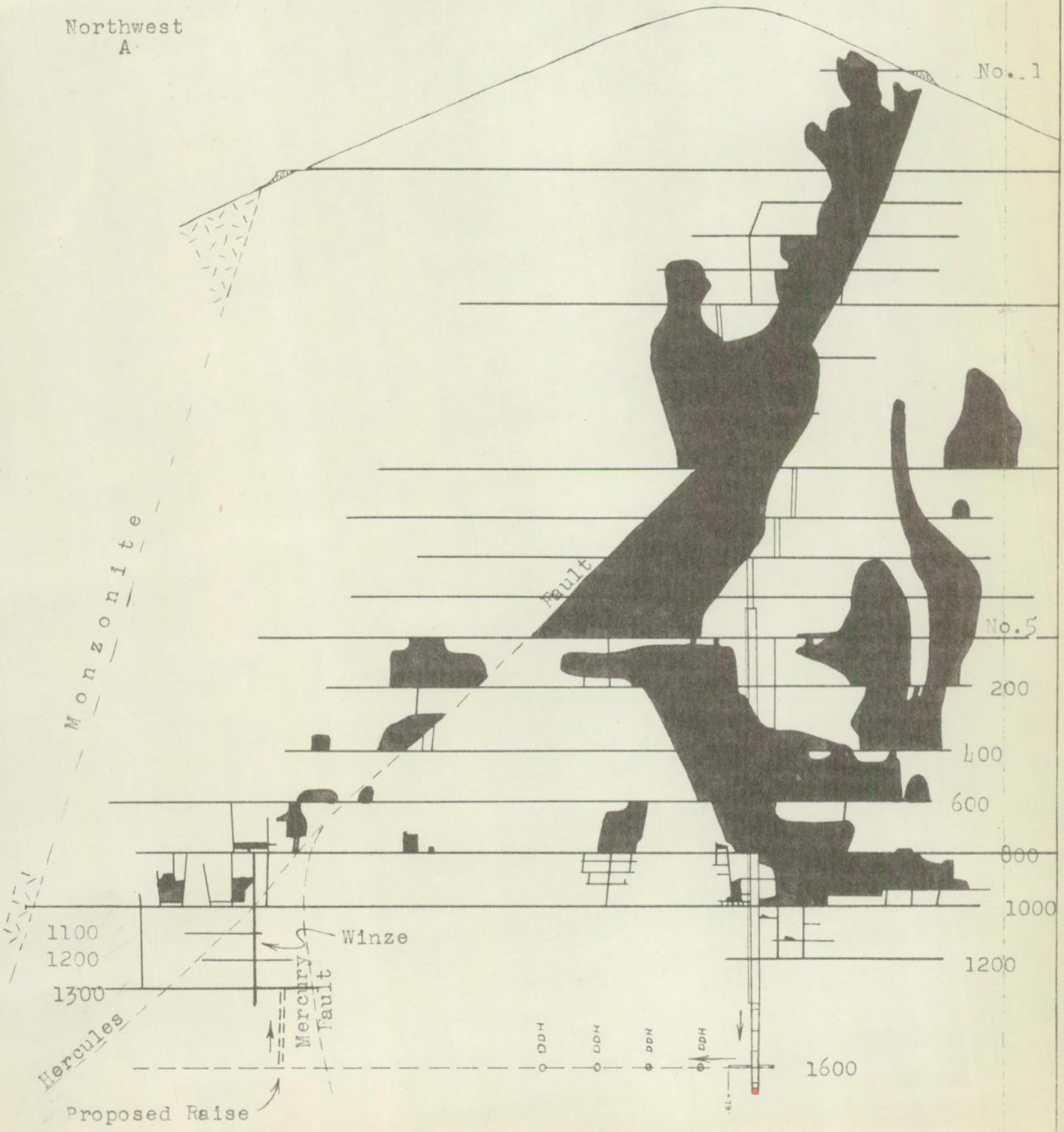


HERCULES MINE
1600
PROGRESS FOR PERIOD October 16-
November 1, 1953
SCALE 1" = 250'

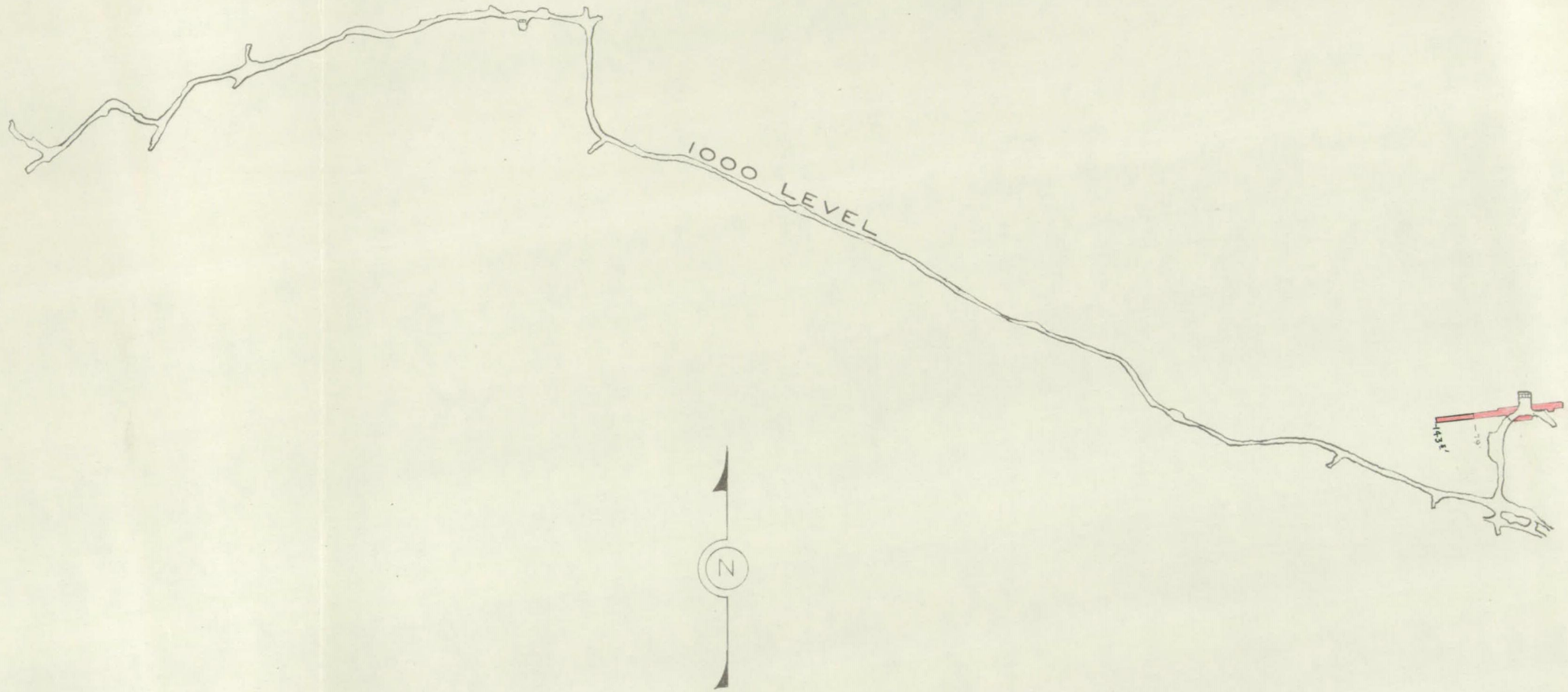
LEVEL MINE Hercules DATE 1953 BY

SCALE 1" = 500' OPERATION Hercules Project

VERTICAL LONGITUDINAL PROJECTION



PROGRESS FOR PERIOD — Sept. 1, 1953 to Oct. 15, 1953



HERCULES MINE
1600 Crosscuts East and West
PROGRESS FOR PERIOD ■ Sept. 1, 1953, to Oct. 15, 1953.
SCALE 1" = 250'