1.	Property liquidation	2285.40	
	Audit disallowances by DMEA Auditor	283.95	
	Adjustment to Auditors figures for report of August 14, 1952	1.98	2,571.33
	Less audit reinstatements		306.68
			2,264.65
2.	February 1952 Finance Officers disallowances which have never been adjusted by the operator		919.82
3.	Overadjustment by the operator on his September 1952 report, $2.00 less mill adjustment of $.02		1.98

F-10[illegible] (Rev. [illegible]il 1952)

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

RECEIVED
SEP 20 1954

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

Month of [illegible], 195[illegible]3 Docket No. DMEA [illegible] Contract No. [illegible]-290

Operator's N[illegible] 71 [illegible], Denver, Colo. Minerals Lead

[illegible]t, $ 10[illegible],000 Government Participation: 50 % Amount, $ 51300

Contrac[illegible]

[illegible] 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
[illegible]dent Form Contracts:						
[illegible]illing	7[illegible].75	[illegible]0.10	5,720.05			
Bulldozing						
Crosscutting		2[illegible].00	20,1[illegible].00			
Drifting						
(2) Labor and Supervision:						
Labor	[illegible].00	11[illegible].45	12[illegible].45			
Supervision		1[illegible].33	1[illegible].33			
Technical Services	600.00	5[illegible].00	5,[illegible].00			
(3) Operating Mat'ls. and Supplies:						
Timber		70.56	70.56			
Explosives		235.55	235.55			
Pipe		1[illegible].30	1,[illegible].30			
Track		935.42	935.42			
	530.30	3790.02	4,920.30			
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	79.66	7377.51	7,457.17			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	81.69	3670.16	3,751.85			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance				3054.46	68259.53	71313.99
Bookkeeping	25.00	475.00	500.00	2264.65	- 919.82	- 2264.65 1.
					67339.71	69049.34
(8) Contingencies (specify):						
Transportation		352.13	352.13		+ 1.98	- 919.82 2.
						68,129.52
						1.98 3.
TOTALS	30[illegible].40	60,259.53	71,313.99	789.81	67,341.69	68,131.50

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

Date [illegible] 1[illegible], 195[illegible] *Payee [illegible]

Per [illegible] Title [illegible]

*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:

$ 394.91

Signature [illegible]
(Authorized Certifying Officer)

Date 7-14-54 Vou. No. DMA-55-19

(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 Exploration Administration project under Contract No. E-250 in accordance with the terms of the contract.

Signature R. L. Bolmer $1511.60 Title Mining Engineer Date April 23,

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. KING Title Executive Officer Date SEP 13 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

F-104A
(1 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 February 1953 Docket No. DMEA 1463X Contract No. [illegible]-250

Operator's Name LARVILLE LEAD CORPORATION Minerals Lead

Address 718 Symes Bldg., Denver, Colo. Zinc

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	foot			41,473.10	843	49.20	900	45.00
Raising								
Shafts								
Winzes								
Drilling: Core	foot	262.47		13,712.36	956	14.35	3000	7.00
Churn								
Nature-Auger Open				500.00				
Stripping Stage II								
Trenching Preparation				6,516.72				
Test Pits								
Roads and Trails Pointe-		594.65		6,833.21				
nance Tunnel Ltn.		127.34		2,276.60				
TOTAL DISTRIBUTED COSTS		3054.46		71,313.99				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date April 10, 1953 Operator LARVILLE LEAD CORPORATION

Per Ben L. Wright, Jr. 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.

GPO 83-38475

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

224 New Customhouse
Denver 2, Colorado

September 16, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 1463 (Lead-Zinc), Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Correction Field Team Final Report

Reference is made to our memorandum of September 13, 1954 which constitutes the DMEA Field Team, Region IV, final report relative to operations under the subject contract.

Please change the ending figure of $54,065.75, in the next to the last paragraph, to read $34,065.75.

John F. Shaw, for
W. H. King

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

224 New Customhouse
Denver 2, Colorado

September 16, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 1463 (Lead-Zinc), Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - FINAL PAYMENT.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work performed under subject contract for the month of March, 1953, which constitutes the operator's final accounting report and effects final payment under the terms of the contract.

John F. Shaw
For W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

September 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 1463 (Lead-Zinc), Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report and Voucher for the Month of March 1953 - FINAL PAYMENT

Enclosed are the original and four copies of Forms MF-104 and 104A, narrative report, and engineer's report for the above period, which constitutes the operator's final claim for reimbursement under the terms of the contract. Also attached to each copy of the report are data relevant to the liquidation of the Government's interest in property acquired under the contract.

Work has been accomplished as authorized in the contract and the operator has complied with all requirements. Final payment is recommended as follows, which is in conformance with the Certificate and Report of Audit by the Contract Administration and Audit Division, dated July 9, 1954, which was released to this office August 4, 1954. Payment has been deferred pending receipt of the operator's final report, which is now on file in this office.

Basis for Final Payment

Total accepted cost		$68,131.50
Government participation at 50%		34,065.75
Total prior payments		33,670.84
Balance due the operator		394.91
Reconciliation with amount reported on attached Form MF-104 for month os March 1953		
Gross amount reported		3,054.46
Deductions		
1. Property liquidation	2,285.40	
2. Audit disallowances	283.95	
3. Difference between total of schedule of disallowances for January 1953 and amount deducted from MF-104 for February 1953	1.98	
Total	2,571.33	
Less audit reinstatements	306.68	
Net deductions		2,264.65
Balance		789.81
Government participation at 50%		394.91
Balance due the operator		$394.91

John F. Shaw
For W. H. King

JWT:jp
cc Subject
Chron
Sec.Oper.Comm.(2)
WMTraver
JWTownsend

224 New Customhouse
Denver 2, Colorado

July 6, 1954

Mr. Ben L. Wright, Jr., Secretary
Leadville Lead Corporation
500 Ernest & Cranmer Building
Denver, Colorado

Re: Docket No. DMEA-1463 (Lead-Zinc), Contract No. Ida-E250

Dear Mr. Wright:

Consistent with the authority delegated to this office under Order No 2684 from the Office of the Secretary, Department of the Interior, the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, does hereby accept your bid and proposal, dated May 14, 1954, in the amount of $2,285.40 in the liquidation of the property and unexpended portion of materials and supplies acquired under Contract Ida-E250.

The sum of $2,285.40 reflecting both yours and the Government's interest in the property will be deducted from the gross amount of claims by you held pending in this office for reimbursement under the terms of the contract, thereby automatically making a deduction from reimbursement to you of the amount of $1,142.70 due the Government in the liquidation transaction.

Final payment of the balance due you on your Form DF-104, Operator's Monthly Progress Report and Voucher for the month of March 1953, will be processed upon receipt of your final engineering and geologic report, in conformance with Article 14 of the contract, and upon release to this office of a Certificate and Report of Audit by the Contract Administration and Audit Division

Very truly yours,

W. H. KING

W. H. King
Executive Officer
DMEA Field Team, Region IV

JWT:cwm

cc: Contract
WHTraver
AHKoschmann
DF-104 file (5)
THBrading
Chron.
JWTownsend

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 19, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463, Contract Idm-R250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado--Disposal of unused or nonexpendable jointly purchased supplies

Enclosed are the original and seven copies of a memorandum by W. L. Dare on the above subject.

This memorandum supplements one submitted April 27, 1954, and results from a revised bid by the contractor for the supplies involved.

The recommendation has my approval.

W. M. Traver

W. M. Traver

enclosure

WMT/kp

cc 7
R250
Charon

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 18, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: W. L. Dare

Subject: DMEA 1463, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado--Disposal of unused or nonexpendable jointly purchased supplies

In a letter to the Executive Officer, Region IV, dated May 14, 1954, Ben L. Wright, Jr., Secretary, Leadville Lead Corporation, submitted a revised bid for unused or nonexpendable jointly purchased project supplies.

In addition to the supplies as listed in the initial bid, Wright includes 1,000 feet of 2-inch used pipe purchased jointly for $280.00 and a galvanometer. The galvanometer is added after the item of miscellaneous small tools.

Wright's total bid is increased by $140.00, which represents full Government equity in the original purchase price of the pipe. Because the galvanometer was taken into consideration as a miscellaneous small tool in the original bid, though not listed, the original bid for these items is not increased.

Wright's total bid for Government equity in unused or nonexpendable supplies, in the amount of $1,142.70, is considered very fair and is recommended for acceptance.

W. L. Dare
Mining Engineer

WLD/kp

cc /7
E250
Ohron

[illegible] 20, 1954

[illegible] 1954

BUREAU OF MINES
Denver, Colorado

Mr. J. H. King
Executive Officer
DMEA Field Team
Region 4
224 New Customs House
Denver, Colorado

Re: Docket: DMEA 1463X
Contract: IDM -F250

Gentlemen:

Enclosed herewith please find a bid submitted by William E. VanCooten and a bid submitted by Union Supply Company upon the unexpended items remaining at the termination of our contract.

Yours very truly,

LEADVILLE LEAD CORPORATION

BY: Ben Lenight, Jr.
Secretary

BLWJr:lr
Encl.

Alma, Colorado
May 20, 1951

Mr. Tom L. Wright, Jr.
713 Symes Building
Denver 2, Colorado

Dear Mr. Wright:

Inclosed is the list of unexpended items you sent.

My bid for the complete lot is $1500.00

Very truly yours,

William E. Vancooten

[illegible]	[illegible]	30.00
[illegible]	17.86	10.00
[illegible]	5.96	3.00
[illegible]	68.75	30.00
[illegible] Extinguishers	16.50	10.00
[illegible] lbs. [illegible] Dry Chemical	[illegible].00	7.00
[illegible] C.O. Cartridges	11.00	7.00
[illegible] small tools, wrenches, hammers, pipe wrenches, shovels, picks, galvanometer		200.00
Supplies:		
[illegible]00 gals. diesel oil	219.00	219.00
[illegible]0 gals, gasoline	103.25	103.25
gals. Kendal Compressor oil	57.50	57.50
[illegible] gals. Ursa Diesel oil	38.50	38.50
[illegible]0 lbs. Truban 90 Transmission grease	9.62	9.62
[illegible]0 lbs. Arc Welding rod	32.50	32.50
[illegible]0 lbs. Bronze welding rod	21.13	21.13
6" x ½ grinding wheels	18.00	6.00
[illegible]0 lbs. 40D common nails	5.00	5.00
[illegible]0 lbs. 60D common nails	5.00	5.00
[illegible]000 feet B.M. fuse	22.50	22.50
[illegible]00 lbs. 45% Gelex Dynamite	44.50	44.50
6 boxes electric blasting caps	96.60	96.60
6 boxes #6 blasting caps	22.90	22.90
4 1½" x 8'-0" tamping poles	7.20	7.20
MISC. EQUIPMENT:		
Blasting line 4000 ft. "10 T.W. solid copper wire	138.00	50.00
2 Heavy Duty 12 volt Willard Storage Batteries	217.60	217.60
4 2½" Carbide Drill Bits	54.60	54.60
	$3,785.99	$2,285.40

Inasmuch as our corporation has heretofore paid 50% of the above listed cost to project and, therefore, owns a 50% interest in the items above listed, the amount which is bid for the interest owned by the Government is 1/2 of the bid or $1,142.70.

[illegible] the [illegible] and accessories are

PEACEVILLE PEAD CORPORATION

BY: [illegible] Secretary

Mr. Ben L. Wright, Jr.
718 Symes Building
Denver, Colorado

Dear Mr. Wright:

We have gone over the list of materials which you sent us with your letter of May 14, 1954, but do not believe that we would be interested in any of these items. We certainly would not offer prices equal to those which have already been bid by the Leadville Lead Corporation.

If the total amount of the equipment should become for sale, we would offer you $750.00 for the total items which you have listed as having cost $3,785.99. Should this come to pass, you may consider this letter a bid on that basis.

Yours very truly,

J. W. LaFollette

J. W. LaFollette

jl

[illegible]		[illegible]
[illegible]		[illegible].00
[illegible]		[illegible]0.00
[illegible]		[illegible]0.00
[illegible]		140.00
[illegible]	[illegible]	50.00
[illegible] ase [illegible]	17.[illegible]6	10.00
[illegible] grease [illegible]	[illegible].96	3.00
[illegible]	6[illegible].75	30.00
[illegible] xtinguishers	[illegible]6.50	10.00
[illegible] Dry Chemical	[illegible].00	7.00
[illegible] Cartridges	11.00	7.00
[illegible] small tools, wrenches, hammers, pipe wrenches, shovels, picks, Galvanometer		200.00
[illegible]lies:		
[illegible] gals. diesel oil	219.00	219.00
[illegible]0 gals, gasoline	103.25	103.25
[illegible] gals. Kendal Compressor oil	57.50	57.50
[illegible] gals. Ursa Diesel oil	38.50	38.50
[illegible] lbs. Truban 90 Transmission grease	9.62	9.62
[illegible] lbs. Arc Welding rod	32.50	32.50
[illegible] lbs. Bronze welding rod	21.13	21.13
[illegible] 6" x ½ grinding wheels	18.00	6.00
[illegible] lbs. 40D common nails	5.00	5.00
[illegible]0 lbs. 60D common nails	5.00	5.00
[illegible]00 feet B.M. fuse	22.50	22.50
[illegible]0 lbs. 45% Gelex Dynamite	44.50	44.50
[illegible] boxes electric blasting caps	96.60	96.60
[illegible] boxes #6 blasting caps	22.90	22.90
4 1½" x 8'-0" tamping poles	7.20	7.20
MISC. EQUIPMENT:		
Blasting line 4000 ft. "10 T.W. solid copper wire	138.00	50.00
2 Heavy Duty 12 volt Willard Storage Batteries	217.60	217.60
4 2½" Carbide Drill Bits	54.60	54.60
	$3,785.99	$2,285.40

Inasmuch as our corporation has heretofore paid 50% of the above listed cost to project and, therefore, owns a 50% interest in the items above listed, the amount which is bid for the interest owned by the Government is 1/2 of the bid or $1,142.70.

Secretary

[illegible] W. King
Executive Officer
[illegible] Field Team
Region 4
[illegible] New Customs House
Denver, Colorado

Re: Docket: DMEA 1463A
Contact: IDM E-250

Gentlemen:

Enclosed herewith please find five copies of bid for unexpended items left at the termination of the contact. I have heretofore submitted a bid. We wish to withdraw this bid and submit the present bid in its place.

Yours very truly,

LEADVILLE LEAD CORPORATION

By: Ben Fowright, Jr.
Secretary

BLWJR:lr
Encls.

UNEXPENDED ITEMS	COST OF PROJECT	BID BY LEADVILLE LEAD CORP.
Track & Accessories:		
6 Tons 40 lbs. rail (used)	$ 462.83	$ 250.00
5 " 30 " rail	414.94	150.00
40 lbs. splice bars	30.40	10.00
Pipe & Fittings:		
800 Lin. ft. 14" 18 guage vent line	979.20	225.00
200 ft. 6" Invasion pipe 20 foot lengths	204.00	110.00
300 Lin. ft. 1" Plastic pipe	53.00	20.00
Misc. pipe fittings		50.00
1000 feet 2" used pipe	280.00	140.00
Shop Tools & Fire Equipment:		
3 sets pipe dies ½" to 2"	117.15	50.00
2 large Alimite grease guns	17.86	10.00
2 small Alimite grease guns	5.96	3.00
5 Alfco Fire Extinguishers	68.75	30.00
6 Randolph Fire Extinguishers	16.50	10.00
1 50 lb. drum Dry Chemical	11.00	7.00
2 #20 C.O. Cartridges	11.00	7.00
Misc. small tools, wrenches, hammers, pipe wrenches, shovels, picks, Galvanometer		200.00
Supplies:		
1500 gals. diesel oil	219.00	219.00
350 gals, gasoline	103.25	103.25
4 gals. Kendal Compressor oil	57.50	57.50
35 gals. Ursa Diesel oil	38.50	38.50
50 lbs. Truban 90 Transmission grease	9.62	9.62
50 lbs. Arc Welding rod	32.50	32.50
20 lbs. Bronze welding rod	21.13	21.13
6 6" x ½ grinding wheels	18.00	6.00
40 lbs. 40D common nails	5.00	5.00
50 lbs. 60D common nails	5.00	5.00
2000 feet B.M. fuse	22.50	22.50
200 lbs. 45% Gelex Dynamite	44.50	44.50
6 boxes electric blasting caps	96.60	96.60
6 boxes #6 blasting caps	22.90	22.90
4 1¼" x 8'-0" tamping poles	7.20	7.20
MISC. EQUIPMENT:		
Blasting line 4000 ft. #10 T.W. solid copper wire	138.00	50.00
2 Heavy Duty 12 volt Willard Storage Batteries	217.60	217.60
4 2½" Carbide Drill Bits	54.60	54.60
	$3,785.99	$2,285.40

Inasmuch as our corporation has heretofore paid 50% of the above listed cost to project and, therefore, owns a 50% interest in the items above listed, the amount which is bid for the interest owned by the Government is 1/2 of the bid or $1,142.70.

Most of the pipe, track and fire equipment was left at the project. The items which have been in use since the project was closed down are reflected in the items where the corporation bids the full amount of the cost.

$26.25 worth of spikes, fish plates, etc. used on tracks and accessories are considered expended.

LEADVILLE LEAD CORPORATION

BY: Ben Lewright, Jr.
Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 29, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, contract Idm-X250 (Lead-zinc) Leadville Lead Corporation, Park County, Colorado

A reanalysis of the accounts for the preparation of a final report on the above contract disclosed the fact that an error of 3 feet was made in the footage allowance for driving the Dauntless tunnel. The heading was advanced instead of 843 feet a total of only 840 feet, starting from a point 1,393 feet from the portal measuring marker and ending at a point 2,233 feet from the same measuring marker. This fact is also confirmed by entries on the MF-104A forms and the company's consulting engineer's narrative reports. The unit cost allowed for this work which was done on subcontract under the original cost incurred contract with the Leadville Lead Corporation was $33.00 a foot paid in units of 100 feet.

Will you therefore please disallow from any one of the vouchers you may be holding a sum of $99.00 (3 feet at $33.00) to compensate for the error. Because of the payment for tunnel advance claims in units of 100 feet, it is impossible for this office to determine the exact month in which the discrepancy occurred.

There is returned herewith the unprocessed progress report for March 1953 forwarded to us by your memorandum of March 22, 1954, and the copy of the geologist's report by your memorandum of April 22, 1954.

Completion of our final engineering report is awaiting the outcome of the audit by the Contract Administration and Audit Division.

W. M. Traver

W. M. Traver

enclosure

cc 7
X250
DMEA Chron.

WMT/pam

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 29, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for March 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and supporting documentation--and the original and six copies of R. L. Bolmar's memorandum covering underground drilling progress and inspection of the accounts.

Work performed consisted entirely of road maintenance, equipment repair, et cetera, in preparation for recessing the project, which was effected March 14, 1953.

Costs charged this period with respect to core drilling were incurred in February. Cement, in the amount of $31.25, claimed by the subcontractor for 5 sacks at $6.25 per sack, is disallowed as his contract requires him to furnish that item. Other costs are approved although documentation, as usual, is poor.

A discrepancy in "Units to Date" on the MF-104A form for core drill footage is mentioned by Bolmar and a typographical error of six cents in Item (3), "Operating Materials and Supplies", which does not effect the total.

The total claimed, $3,054.46, less $31.25 disallowed leaves $3,023.21. Of this sum $1,511.60, or 50 percent, is approved for payment and certified on the MF-104 form subject to the usual Region IV audit.

It is suggested that a sufficient amount of the sums due the contractor on this project be withheld to protect the Government's interests until operations are resumed.

W. M. Traver

W. M. Traver

enclosures

cc: 4
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 29, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 1463K, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for March 1953

Progress under the subject contract was inspected March 13, 1953. As reported in the narrative, work this period consisted of road maintenance, equipment repairs and upkeep, storing equipment, cleaning up the Dauntless tunnel, and preparing the property for a shutdown during the spring months. No diamond drilling was done during March. The last work before the shutdown was performed March 14, 1953.

Our records show the following footage of diamond drilling completed to date:

Hole Number	Depth, feet
1	115
2	95
3	42
4	390
5	415
Total	1,057
less	95 feet of Hole 5 not under DMEA contract
Total footage under DMEA contract	962

The "Units to Date" column for core drilling on form MF-104A should be 962 feet instead of the 956 feet as indicated by the operator. The "Unit Costs to Date", accordingly, should be adjusted to $14.25 per foot.

Most of the costs reported this period were incurred during previous month's operation. The operator claims $783.75 for contract diamond drilling performed in February 1953. This amount includes 70 feet of AX drilling (the last 95 feet of hole 5 was not under the exploration program) at $4.75 per foot, or $332.50; 85 hours cementing, et cetera, at $5.00 per hour, or $425.00; and 5 sacks of cement at $6.25 per sack, or $31.25. According to the drilling subcontract, cement is to be furnished by the driller and the amount of $31.25, therefore, is not approved. The delay time through February 14, 1953, is considered justified and is approved. Hole No. 5 did not reach a depth of 320 feet (end of DMEA participation) until February 17, 1953.

The payroll submitted for this period is approved for the amount charged to the project, or $949.00. Technical services for November, December, January, and February are allowable at $150.00 per month, as claimed (amendment No. 10). Operating materials and supplies, $530.36; depreciation, $79.66; repairs, $81.69; and bookkeeping, $25.00, are considered justified and sufficiently documented to be passed.

On form MF-104 it is noted that "Operating Materials and Supplies" are listed as $530.30. The figure should be $530.36; the total of $3,054.46, however, is correct.

Costs totaling $3,054.46 are reported this period. Of this amount, costs totaling $31.25 (drilling cement) are not approved. The remainder of the costs claimed, or $3,023.21, are approved. The Government's share of the approved costs is 50 percent, or $1,511.60.

R. P. McLellan
for
R. L. Bolmer
Mining Engineer

RLB/cb

cc: 6
E250
DMEA Chron.

LEADVILLE LEAD CORPORATION

March, 1953

INVOICE	CHECK	AMOUNT	CONTRACT	LABOR	TEC. SERVICES	SUPPLIES	DEPREC.	REPAIRS	BOOK-KEEPING
Rogers	1835	$1609.22	$788.75						
Payroll	See Sheets			$949.00					
Prommel	1832	400.00							
	1844	550.00			$600.00				
Gately	1825	437.04				$437.04			
Beals	1826	91.73				9.04		$ 81.69	
Alskogs	1830	43.74				38.29			
B&B Mtrs.	360	45.99				45.99			
Deprec	See Sheet						$79.66		
Beck	1824	25.00							$25.00
TOTAL.			$788.75	$949.00	$600.00	$530.36	$79.66	$ 81.69	$25.00

LEADVILLE LEAD CORPORATION

February 28, 1953

Payroll Summary for Period Ending ~~March 14, 1953~~

NAME	Days or Dates S M T W T R S	TOTAL HOURS	RATE	AMOUNT CLAIMED	REGULAR SALARY	OVERTIME	TOTAL WAGES
Chas VanHoosen 48 hrs. on road 7-D.cat, (Bulldozer Operator)	8 8 8 8 8 8	48	$2.25	$117.00	$ 90.00	$ 27.00	$117.00
Duke Beals 8 hrs. welding 16 repair (Mechanic	8 8 8	24	$2.00	$ 48.00	$ 54.00		$ 54.00
W.E.VanCooten (Shifter)	½ month			$200.00			$200.00
Payroll Summary for Period Ending March 7, 1953							
Chas VanHoosen 48 hrs road work (Bulldozer Operator)	0 8 8 8 8 8 8	48	$2.25	$117.00	$ 90.00	$ 27.00	$117.00
Porter Kirkwood 8 hrs work on Cat (Miner)	8 8 8 8 8 8 8	56	$1.75	$ 14.00	$ 98.00		$ 98.00
Duke Beals 16 hrs. repairs to Power wagon (Mechanic)	0 8 8 8 8 8 8	48	$2.00	$ 32.00	$ 90.00	$ 27.00	$117.00
Payroll Summary for Period Ending March 14, 1953							
Chas. VanHoosen 16 hrs wk. on road 32 hrs clean tunnel	0 8 8 8 8 8 8	48	$2.25	$117.00	$ 90.00	$ 27.00	$117.00
Duke Beals 8 hrs repairing mucker 8 hrs service equipment 32 hrs clean up tunnel (Mechanic)	0 8 8 8 8 8 8	48	$2.00	$104.00	$ 90.00	$ 27.00	$117.00
W.E.VanCooten (Shifter)	½ month			$200.00	$200.00		$200.00

TOTAL DE-DU TIONS	NET PAID	CHECK NO.
$ 32.16	$ 84.84	364
$ 8.11	$ 45.89	366
$ 21.80	$178.20	1832
$ 33.00	$ 84.00	368
$ 40.97	$ 57.03	370
$ 44.36	$ 72.64	1834
$ 32.16	$ 84.84	1831
$ 44.36	$ 72.64	1834
$ 21.80	$178.20	1832

Certified transcript of pertinent portions of pay roll for benefit of project

Ben Lovright, Jr.
Secretary

CONSULTING GEOLOGIST AND MINING ENGINEER
731 South Downing Street
Denver, Colorado

March 27
1 9 5 3

Report No. 14
Written March 27, 1953

In re: Docket DMA 14631
Lead-Zinc

Narrative Report on Operations at the Dauntless Tunnel.
Park County Colorado

For the month of
M A R C H
1 9 5 3

During the first 14 days of March 1953, an average of 2.77 men put in 13 eight hour days for a total of 288 man hours. No diamond drilling was done during March, work consisting of road maintenance, equipment repairs an upkeep, storing equipment, cleaning up in Dauntless tunnel and preparing the property for a shut-down during the spring months. The distribution by man hours and percentages for March 1 - 14 is as follows:

		m.h.	m.h.	%
Roads: Maintenance plowing snow			64	22.2%
Compressor			80	27.8
Repairs Equipment:	Power Wagon	16		
	Mucking Machine	8		
	D7 Caterpillar	16		
	Servicing Equipment	16	56	19.4%
Miscellaneous:	Cleaning snow off dump	16		
	Repairing dump track	8		
	Storing equipment	16		
	Cleaning tunnel	32	72	30.6%
	TOTAL.		288	100.0%

Since March 14, work at the property has been suspended. All core boxes finally reached Denver. Cores were studied by M.J.C.Fromel and a geological log was prepared by him for each hole. These logs, together with a map showing locations of all holes drilled, and discussions, will constitute a summary report on the diamond drilling campaign. The report

is now under preparation.

The data in this report is based on daily record sheets and diary kept by W. S. VanCooten at the mine and checked by H.W.C.Prommel in Denver.

LEADVILLE LEAD CORPORATION

BY:
Harald W. C. Prommel,
Consulting Engineer.

by
Ben Lowright, Jr
Secretary

To be furnished by the Contractor

ITEM	VALUE	Depreciation Allowance for Half Month
1 D-7 Cate pillar	$4,600	$ 38.00
1 D-2 Caterpillar	5,000	41.66

I certify that the above equipment was used on the project during the first half of the month of March, 1953.

LOUISVILLE LOAM CORPORATION

BY: Ben T. Wright, Jr.
Secretary.

Leadville Lead Corporation. Hilltop Mine. Park County, Colo.
Driller's Log of Diamond Drilling during February 1953.

DIAMOND DRILL HOLE No.12
(Rotation No. 5)

Location: In Dauntless Tunnel, 2135½ ft. from Portal.
Direction: N-50-W, 70 degr. down.

(To accompany Report No. 13 for February 1953

Day of Week.	Date, February.	Feet. From To	Distance; Feet.	Core Recovery; Feet.	% Core recovery.	Man hours	Number of runs	Remarks.
Sun.	1	250	--	-	--	--	--	No work.
Mon.	2	250	--	-	--	16	--	Cementing 8 hrs. Waiting for cement to set 8 hrs.
Tues	3	250	--	-	--	16	--	Drilling out 30 ft. of cement.
Wed.	4	250-260	10	?	?%	8	2	Porphyry; Drilling 4 hrs; Drilling out cement 4 hrs. Core recovery not given.
Thurs	5	260	--	-	--	8	--	Running core barrel to bottom of hole. Cave on top core barrel
		260	--	-	--	8	--	Cementing again; testing cement.
Fri.	6	260-265	5	?	?	8	--	Porphyry, Drilling out cement 4 hrs. Drilling 4 hrs. Core recovery not given.
Sat.	7	265	--	--	--	--	--	No work.
Sun.	8	265	--	--	--	--	--	No work.
Mon.	9	265	--	--	--	--	--	No work.
Tues	10	265	--	--	--	8	--	Cementing for cave.
		265	--	--	--	8	--	Waiting for cement to set.
Wed.	11	265	--	--	--	--	--	No work
Thurs	12	265-270	5	3	60%	8	1	Porphyry, 4 hrs. drilling; 4 hrs. drilling out cement.
Fri.	13	270	--	--	--	8	--	Cementing for cave.
Sat.	14	270-280	10	8	80%	8	1	Porphyry and shale. 4 hrs. drilling out cement.
Sun.	15	280	--	--	--	--	--	No work.
Mon.	16	280-290	10	?	?	6	1	Porphyry and shale. Core recovery not given
		290-310	20	?	?	8	2	" " "Quartzite at 310 ft. Core recovery not given
Tues	17	310-325	15	?	?	8	2	Quartzite Core recovery not given
		325-340	15	?	?	8	?	" Core recovery not given
Wed.	18	340-345	5	?	?	8	?	Shale and quartzite Core recovery not given
Thurs	19	345	--	--	--	--	--	No work.
Fri.	20	345	--	--	--	5	--	Reaming hole, 285 to 300 ft.
		345	--	--	--	8	--	Reaming hole, 300 to 342 ft.

CONTINUED ON PAGE 2

Sat.	21	345-360	15	?	?	8	?	Shale ? Quartzite. Core recovery not given.
Sun.	22	360-365	5	?	?	8	?	No formation given. Had trouble tetting out of hole. Core recovery not given.
Mon.	23	365	--	--	---	8	--	3 hrs. cementing; 5 hrs. waiting for cement to set.
		365	--	--	---	8	--	7 hrs. waiting for cement to set; 1 hr. washing out cement.
Tues.	24	365	--	--	---	8	--	Waiting for cement to set.
		365	--	--	---	8	--	Waiting for cement to set.
Wed.	25	365	--	--	---	8	--	Drilling out 40 ft. of cement.
		365-370	5	5	100%	8	1	7 hrs. drilling out cement. 1 hr. drilling.
Thur.	26	370-385	15	?	?	8	2	Quartzite. Core recovery not given.
		385-390	5	5	100%	4	1	Quartzite.
Fri.	27	390-405	15	?	?	8	2	Quartzite. Core recovery not given.
		405-410	5	5	100%	4	1	Quartzite.
Sat.	28	410-415	5	?	?	8	1	Quartzite (?) Core barrel stuck in hole. Bit, core barrel and some 220 ft. of pipe not recovered.

Total....259 man hours

---

7 days @	0 hours	0 man hours	
8 " "	8 "	64 " "	
2 " "	12 "	24 " "	
1 " "	13 "	13 " "	
1 " "	14 "	14 " "	
9 " "	16 "	144 " "	
28 days.....		259 man hours.	

Review: Days and man hours.

Core Drilling	103 man hrs.	103	40 %
Reaming hole	13 " "	13	5 %
Cementing	43 " ")		
Waiting for cement to set	44 " ")	143	55 %
Drilling out cement	56 " ")		
Total time for February	259 man hrs.....		100 %

Total feet drilled during month 165 ft.

I certify the forgoing compilation of core logs is a true transcript of pertinent information contained in drill logs prepared by me or at my direction showing drilling done for Leadville Lead Corporation during the month of February, 1953.

Wallace A. Rogers
Drilling contractor

Form MF-194 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

MAY 18 1953

Month of [illegible], 1953 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible] % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	[illegible]	[illegible]	[illegible]			
Bulldozing						
Crosscutting		[illegible]	[illegible]			
Drifting						
(2) Labor and Supervision:						
Labor	[illegible]	[illegible]	[illegible]			
Supervision		[illegible]	[illegible]			
Technical Services		[illegible]	[illegible]			
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives		[illegible]	[illegible]			
Pipe		[illegible]	[illegible]			
Track		[illegible]	[illegible]			
[illegible]		[illegible]	[illegible]			
(4) Operating Equipment:						
Rental		[illegible]	[illegible]			
Purchase						
Depreciation	[illegible]	[illegible]	[illegible]			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
[illegible]	[illegible]	[illegible]	[illegible]			
(8) Contingencies (specify):						
[illegible]		[illegible]	[illegible]			
				3,538.92	64,720.61	68,259.53
					*- 917.84	*- 917.84
TOTALS	[illegible]	[illegible]	[illegible]	3,538.92	63,802.77	67,341.69

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

Date [illegible] 21, 1953 *Payee [illegible]

Per [illegible] Jr. Title [illegible]

*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:

$1769.46

Signature [illegible]
(Authorized Certifying Officer)

Date 5/11/53 Vou. No. [illegible] 53-135

(See other side)

*** To adjust totals erroneously carried forward by operator**

(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-250 in accordance with the terms of the contract.

Signature F. R. Colmer, $1769.46 WMA Title Mining Engineer Date April 3, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.R.

Signature W. H. King Title Executive Officer Date MAY 4 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

[illegible] Defense [illegible] Administration
[illegible]
MAY 18 1953

Month of February 1953 Docket No. DMEA 1263 Contract No. [illegible]-250
Operator's Name [illegible] Minerals Lead
Address 71 [illegible], Denver, Colorado Zinc

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	foot			1,[illegible]73.10	[illegible]	49.20	900	45.00
Raising								
Shafts								
Winzes								
Drilling: Core	foot	720.25	[illegible]70	11,[illegible]	926	11.90	5000	7.00
Churn								
Auger				200.00				
Stripping				6,[illegible]10.72				
Trenching								
Test Pits								
Roads and Trails	mi.	77.67		[illegible]				
		[illegible]		2,[illegible]				
Total Distributed Costs		[illegible]		[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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

Date 3/11/53 Operator [illegible] Mining Corporation

Per Ben Lovejoy, Jr. 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: Corrected to show discontinuance of development [illegible]. Unions not include 75 foot [illegible] of [illegible] of [illegible].

(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

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

224 New Customhouse
Denver 2, Colorado

May 4, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc), Leadville Lead Corporation, Park County, Colorado. Operator's Monthly Progress Report for the period February 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report	March 21, 1953.
Date Received in Field Office	April 2, 1953.
Date Received in Region Office	April 8, 1953.
Date Processed for Payment	May 4, 1953.

Held up to protect Government equities in jointly-owned equipment.

W. H. King
W. H. King

Enclosures

cc: Secretary to the Oper. Comm. (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 7, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for February 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative, and required documentation--and the original and six copies of R. L. Bolmer's memorandum covering the underground drilling progress and accounts.

The 70 feet of core drilling and road and tunnel maintenance have been verified and considered allowable. Work performance is in accordance with the terms of the contract and accounting approved within the limits of the Branch's delegated authority.

Payment is approved and certified on the MF-104 form of $1,769.46, or 50 percent of the total $3,538.92 claimed by the contractor, subject to the regular Region IV audit.

W. M. Traver

W. M. Traver

enclosures

WMT/eb

cc 4
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 7, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for February 1953

The February report and supporting documents of the subject exploration project have been reviewed and appear to be in order. Progress during the period, the 165-foot extension of hole 5 to a depth of 415 feet as reported in the operator's narrative, was confirmed during an inspection of the operations March 13, 1953. The last 95 feet of hole 5 was drilled at the operator's expense. Hole 5 to a depth of 320 feet completes for the present the drilling program under the subject contract.

A complete geologic log of the 5 holes drilled from the Dauntless tunnel is in preparation by the company's consulting engineer. A short geologic report, including a plan and section showing the location of the holes, will be submitted with the logs.

The costs incurred this period are approved in the amount reported, or $3,538.92. Payment of 50 percent of the approved amount, or $1,769.46, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/eb

cc 6
E250
DMEA Chron

For purposes of this month's 104A report, the following break-down was made:

	DRILLING	ROAD MAINTENANCE	TUNNEL MAINTENANCE
Rogers	$1,988.75		
Labor	576.50	$616.34	$52.50
Depreciation	195.50	159.33	
Bookkeeping	50.00		
	$2,710.75	$775.67	$52.50

Depreciation to date is divided as follows:

Tunnel Maintenance		$ 691.75
Road Maintenance:		
Prior reports	$1,542.80	
Disallowed in Nov.	159.33	
	$1,383.47	
February	159.33	1,542.80
Crosscutting		4,015.71
State 2 Diamond Drilling		
Shown in prior reports	$1,041.83	
February	195.50	1,237.33

LEALVILLE LEAL CORPORATION

February, 1953

INVOICE	CHECK	AMOUNT	CONTRACT	LABOR	DEPREC.	BOOKKEEPING
Rogers	1796	$1531.59*	$1588.75			
See Sheets				$1545.34		
See Sheets					$354.83	
Beck	1810) 1820)	$ 43.00 32.00				$50.00
TOTALS.			$1588.75	$1545.34	$354.83	$50.00

*Deductions were made for meals.

TO BE FURNISHED BY THE OPERATOR

ITEM	VALUE	Depreciation Allowance for Month
1 365 cfm G.I. Compressor	$6950	$116.00
1 25 KW Diesel-Electric	3975	66.00
20 Edison Electric Camp Lamps	450	7.50
1 Casing Pump 1 hp.	340	6.00
1 D 7 Caterpillar	4600	76.00
1 D 2 Caterpillar	5000	83.33

I certify that the above equipment was used on the project during the month of February, 1953.

[illegible] CONSTRUCTION

BY: [illegible]
Secretary

LEADVILLE LEAD CORPORATION

PAYROLL SUMMARY For Period Ending January 31, 1953

NAME	Days or Dates S 25	M 26	T 27	W 28	T 29	F 30	S 31	TOTAL TIME	RATE	AMOUNT CLAIMED	REGULAR SALARY	OVERTIME
Porter Kirkwood 12 hrs comp. nite 36 hrs Repair D 7 Cat	12	8	12	8	12	8	8	68	$1.75	$91.00	$ 70.00	$ 73.36
Wayne Rankin 20 hrs. comp. nite 24 hrs. Repair D7 Cat 28 hrs. wk.on road	12	12	8	13	12	8	8	73	$1.75	153.84	70.00	$ 83.84
Luke Beals 56 hrs. comp.days 19 hrs repair. D7 cat (Mechanic)	12	12	8½	13	8½	12½	8½	75	$2.00	185.00	$ 90.00	$117.95
Chas. VanHoosen 24 hrs. plowing road 24 hrs. repairs D7	0	8	8	8	8	8	8	48	$1.75	91.00	$ 90.00	$ 27.00
W. E. VanCooten	8 8	8 8	8 8	8 8	8 8	8 8	8 ½ mo. 8 1/15 to 1/31			200.00	$200.00	none

PAYROLL PERIOD ENDING FEBRUARY 7, 1953

Porter Kirkwood comp. nite 12 hrs.	8	4	0	0	14	8	8	42	$1.75	$ 21.00	$ 70.00	$ 5.26
Wayne Rankin comp. 24 hrs.	12		12	12	16	8	8	56	$1.75	$ 42.00	$ 90.00	$ 54.00
Luke Beals repairs 12 (Mechanic)	8	4			14½	12½	8	47	$2.00	$ 24.00	$ 90.00	$ 23.60
Chas. VanHoosen Road wk. Cat.48	0	8	8	8	8	8	8	48	$1.75	$ 91.00	$ 90.00	$ 27.00

TOTAL WAGES	TOTAL DEDUCTIONS	NET PAID	CHECK NO.
$143.36	$ 52.45	$ 90.91	1788
$153.84	$ 55.11	$ 98.75	1789
$207.95	$ 63.75	$144.20	1790
$117.00	$ 32.16	$ 84.84	1791
$200.00	$ 21.80	$178.20	1792
$ 75.26	$ 30.23	$ 45.03	1798
$144.00	$ 47176	$ 96.24	1799
$113.60	$ 38.31	$ 75.29	1800
$117.00	$ 32.16	$ 84.84	1801

PAYROLL SUMMARY FOR PERIOD ENDING February 14, 1953

Porter Kirkwood 20 hrs. Timbering Dauntless	0	0	4	8	8	12	8	40	$1.75	$35.00	$ 70.00	none
Wayne Rankin 12 hrs. plow snow with D2 Cat 8 hrs repairingstart Generator 10 hrs timbering Dauntless	0	8	8	8	12	10	8	54	$1.75	$52.50	$ 90.00	$47.18
Luke Beals Comp. man & Mechanic	0	0	0	8	8	8	8	32	$2.00	$40.00	$ 72.00	none
Chas. VanHoosen 48 hrs. plowing snow I 7 Tractor	0	8	8	8	8	8	8	48	$1.75	$91.00	$ 90.00	$27.00
W. E. VanCooten Wk. on Diamond Drilling Wk. Dauntless Raise & Sub-level drift (Supervisor)	8 8	8 8	8 8	8 8	8 8	8 8	8) 8)	½ month		$200.00	$200.00	

PAYROLL SUMMARY FOR PERIOD ENDING February 21, 1953

Chas VanHoosen Plowing Snow	0	8	8	8	8	8	8	48	$1.75	$91.00	$ 90.00	$27.00
Luke Beals Compressor man & Mechanic	0	10½	12½	8	8	16	4	59	$2.00	$137.00	$ 90.00	$64.03

$ 70.00	$ 29.35	$ 40.65	1811
$137.18	$ 44.96	$ 92.22	1812
$ 72.00	$ 23.78	$ 48.22	1813
$117.00	$ 32.16	$ 84.84	1815
$200.00	$ 21.80	$178.20	1814
$117.00	$ 32.16	$ 84.84	1821
$154.[illegible]3	$ 48.71	$105.32	1822

Certified Transcript of pertinent portion of payroll paid for benefit of Project during Feb 1953

Ben L Wright, Jr
Sec.

E. A. C. PROMEL
Consulting Geologist and Mining Engineer
731 South Downing Street
Denver, 9, Colorado

March 27
1953

Report No. 13
Written March 27, 1953

In re: Docket DMA 1463A
Lead-Zinc

Narrative Report on Operations at the Gauntless Tunnel
Park County Colorado

For the month of
F E B R U A R Y
1953

During the month of February, apart from the drilling contractor's time of 259 man hours, an average of 3 men put in 26 eight hour shifts for a total of 624 man hours. Since October 1952, company time has been as follows:

1952				
October	7.28 men	30 eight-hour shifts	1740 man hours	
November	5.6 "	28 " " "	1256 " "	
December	3.9 "	27 " " "	840 " "	
1953				
January	4.3 "	26 " " "	888 " "	
February	3.0 "	26 " " "	624 " "	

Apart from diamond drilling, work during February consisted only of road maintenance work (snow removal), current repairs and upkeep of equipment, a little long hole drilling and timbering in the Gauntless escape raise from the Gauntless tunnel. The distribution by man hours and percentages for February is as follows:

	m.h.	%	m.h.	%
ROADS Plowing snow	208	33.3		
COMPRESSOR (Diamond drilling)	250	40.1		
REPAIRS EQUIPMENT Compr. & Generat.	24	3.8		
TIMBERING Gauntless raise	48	7.7		
LONG HOLE DRILLING (66 ft.)	94	15.1		
TOTAL.	624	100.0		
DIAMOND DRILLING (Contractor's time)			624	70.7
			259	29.3
GRAND TOTAL.			883	100.0%

Recapitulating above, we have:

	m.h.	%
MISCELLANEOUS		
Timbering Gauntless raise and long hole drilling	142	16.1

DIAMOND DRILLING

Road maintenance, Compressor, upkeep equipment, and contractor's time	741	83.9%
TOTAL.	883	100.00%

Attached hereto and made a part hereof is a copy of the drilling contractor's daily record sheets, which also shows the time distribution of the contractor's time. The log shows that 60% of the time during February was spent in reaming hole, cementing and waiting for cement to set, plus one day lost on account of breakdown of drilling equipment. There was no time lost due to weather conditions or absence of company men for running compressor, etc.. During the month diamond drill hole No. 12 (notation No.5) was drilled from 250 ft. to ~~450~~ 415 ft. the hole being bottomed in Sawatch quartzite. Due to constantly caving ground, the bit, core barrel and some 220 ft. of drill pipe could not be removed from the hole.

The data in this report is based on daily record sheets and diary kept by W. E. VanCooten at the mine and checked by H.W.C.Prommel, in Denver.

LEADVILLE LEAD CORPORATION

BY:

Harald W. C. Prommel,
Consulting Engineer.

by Ben Zewright, Jr
Sec.

Denver, Colorado
March 27, 1953.

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

MAY 18 1953

Month of January 195 3 Docket No. 1463X DMEA Contract E-250
Operator's Name LEADVILLE LEAD CORPORATION Minerals Lead-Zinc
Address 718 Symes Bldg., Denver, Colorado
Contract Amount, $ 100,800 Government Participation: 50 % Amount, $ 50,400

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:	1872.50	1478.85	3351.35	1866.25	1,478.85	3,345.10
Drilling						
Bulldozing		28165.00	28165.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:	1200.00	10241.61	11441.61			
Labor		133.33	133.33			
Supervision		5049.00	5049.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:		78.56	78.56			
Timber		235.55	235.55			
Explosives		1494.30	1494.30			
Pipe		935.42	935.42			
Track						
Misc. Supp.	1237.18	3646.57	4883.75	325.45	3,646.57	3,972.02
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	486.08	6697.93	7184.01			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	469.73	3201.49	3671.22	469.13	3,201.49	3,670.62
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Bookkeeping	20.00	405.00	425.00			
(8) Contingencies (specify):						
Transportation	3.54	349.83	353.37	2.30	349.83	352.13
					62,290.44	66,659.65
TOTALS	5289.03	62290.44	67579.47		*-2,856.88	*-2,856.88
				4369.21	59,433.56	63,802.77

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

Date March 2, 53 *Payee Leadville Lead Corporation

Per Ben Wright, Jr. 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:

$ 2184.60

Signature [illegible]
(Authorized Certifying Officer)

Date 5/11/53 Vou. No. DMA 53-135
(See other side)

* Totals erroneously brought forward by operator @ 126.57
Previous deduction 2,730.31
*2,856.88

(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. R.L. Bolmer #2337.94 E-250 in accordance with the terms of the contract.

Signature _____ Title Mining Engineer Date May. 31, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.

Signature W. H. King Title Executive Officer Date MAY 1 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

MAY 18 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 1463X Contract No. E-250

Operator's Name Leadville Lead Corporation Minerals Lead

Address 718 Symes Bldg., Denver, Colorado Zinc

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	foot			*41,473.10	843	49.20	900	45.00
Raising								
Shafts								
Winzes								
Drilling: Core	foot	3,747.62	295	10,935.57	886	12.33	3000	700
Churn								
* ~~Auger~~		500.00		500.00				
~~Stripping~~ Stage #2 Preparation				6,518.72				
Trenching								
Test Pits								
Roads and Trails maint.		1041.41		6,125.22				
Tunnel Maint.				2,026.76				
TOTAL DISTRIBUTED COSTS		5289.03		67,579.37				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

REMARKS: * See attached sheets and explanations

Date Feb. 26, 1952 Operator Leadville Lead Corporation

Per Ben L. Wright Jr. 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)

INSTRUCTIONS

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GPO 83-38475

* $77.32 has been deducted from cross-cutting costs to bring this figure into balance with the audit. $657.13 has been taken off of Stage 2 preparations to bring this figure into balance with the last audit.

The figures do not reflect deductions made for November and December.

The $500 figure shown in the line above of stage 2 represents $500.00 expense. This $500 is for steel purchased from Beals and VanCooten and which is not currently being used on the project. This was purchased with the view that it would be used at a later date for the project. I assume this amount will be disallowed and can be reclaimed when it is used for the benefit of the project.

For the purposes of this month's report the following break-down was made:

	Drill	Road	Future uses
Rogers	1872.50		
Labor	736.23	463.77	
Supplies	537.18	200.00	500.00
Rep.	254.96	214.77	
Trans.		3.54	
Depre.	326.75	159.33	
Book.	20.00		
Total	3747.62	1041.41	500.00

In view of Amendment No. 10, the explanation this month does not break-down bookkeeping, engineering expenses, and assaying.

Depreciation to date has been divided as follows:

Tunnel Maintenance	691.75
Road Maintenance shown in prior reports	1383.47
January	159.33
Total	1542.80
Cross-cutting	4015.71
Stage 2 diamond drilling shown in prior reports	615.08
January	326.75
Total	1041.83

I again call your attention to the fact that these figures do not show disallowances for November and December of 1952. Our next monthly report will make adjustments for those months.

Ben L Wright, Jr
Secretary

LEADVILLE LEAD CORPORATION
February, 1953

Invoice	Check	Amount	Contract	Labor	Misc. Supplies	Repairs	Trans.	Depr	Bkpr.
Rogers	#1748	$2030.09	$1872.50	$1200.00					
See Sheets (Labor)									
Fairplay Motors	1759	42.54			$ 26.75				
Gately Motors	1760	781.56			542.30				
Dials	1761	195.10			31.62				
Gardner-Denver	1762	208.53				$208.53			
Hackaday	1764	84.98			8.16	46.43			
Beals & VanCooten	1773	605.05			605.05				
Arts Garage	311	5.46			5.46				
Walker Welding	341	6.60				6.60			
Fairplay Coal	349	17.84			17.84				
McCoy	342	106.28				106.28			
So. Park	343	104.19				101.89	$3.54		
Deprec.(See Sheets)								$486.08	
Beck	1772	20.00							$20.00
TOTALS.			$1872.50	$1200.00	$1237.18	$469.73	$3.54	$486.08	$20.00

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

Administrative Audit Difference Statement

Date: May 6, 1953
Payee's
Reference: Progress Report - January, 1953

Leadville Lead Corp.
500 Ernest & Cranmer Bldg.
Denver, Colorado
I-BFA-E-250

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

Amount Claimed $5,289.03

Difference $ 919.82

Amount Approved $4,369.21

The reason for the difference was due to:

Not allowable under contract:

Payment to Subcontractor for cement	6.25
Drill Steel not necessary during this part of program	605.05
Gas and Diesel Fuel on hand when operation shut down	306.68
Lack of documentation(Walker Welding Co.)	.60
Lack of documentation Transportation (South Park Motor Lines)	1.24
	$919.82

reinstated by audit

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

May 1, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc), Leadville Lead Corporation, Park County, Colorado. Operator's Monthly Progress Report for the period January 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Independent Contracts Payment to subcontractor for cement - not allowable by contract.	$ 6.25
Operating Materials and Supplies - drill steel Drill steel not necessary during this phase of the program.	605.05
Operating Material and Supplies - diesel fuel and gasoline Based on Operator's estimate of the amount of diesel fuel (1500 gal. at $0.146 per gal. plus tax) and gasoline (350 gal. at $0.238 per gal.) remaining unexpended when operation shut down. This amount is to be deducted as it is uncertain that the operation will be resumed again.	306.68
Miscellaneous - Repairs to Equipment Walker Welding Co. Lack of documentation	.60
Contingencies - Transportation South Park Motor Lines. Lack of documentation	1.24
Total Disallowance	$919.82

Remarks:

Date of Report	March 2, 1953.
Date Received in Field Office	March 6, 1953.
Date Received in Region Office	April 7, 1953.
Date Processed for Payment	April 30, 1953.

Held up pending receipt of letter from Operator qualifying the excessive use of gasoline and diesel fuel on the project.

W. H. King

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

C O P Y

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 24, 1953

Mr. Ben L. Wright, Jr., Secretary
Leadville Lead Corporation
718 Symes Building
Denver, Colorado

Reference: DMEA 1463X, Contract Idm-E250
Leadville Lead Corporation
Park County, Colorado

Dear Mr. Wright:

Both the Region IV and this office consider the gallonage of both diesel fuel and gasoline used on the captioned project is excessive. As an example we cite the 2,600 gallons of diesel fuel and 600 gallons of gasoline purchased in bulk during January 1953, in addition to service station purchases made presumably direct to the Dodge Power Wagon, the only vehicle authorized. It is assumed all bulk gasoline purchased is used in the one gasoline-driven compressor.

We are recommending deferment of payment of the January 1953 account pending justification of the quantity of both diesel fuel and gasoline used and a statement of the amount of both remaining in storage at the project on the date operations were recessed and available for use when and if work is resumed next summer.

Very truly yours,

W. M. Traver, Chief
Mineral Resources Branch
Mining Division, Region IV

WMT/amh
cc: WHKing (2)
E250
DMEA Chron.

April 27, 1953

W. M. Traver, Chief
Mineral Resources Branch
Mining Division, Region IV
Building 20, Room 137
Denver Federal Center
Denver 14, Colorado

RE: DMLA 1463X DM-E250
Leadville Lead Corporation
Park County, Colorado

Dear Mr. Traver:

This will acknowledge receipt of your letter of April 24, 1953, in which you inform me that you consider gallonage of both diesel fuel and gasoline used on the project as excessive. We have developed the following figures for fuel consumption. They are based on operations over the past year. We operate the following diesel operated equipment:

	Gals. Per Hr.	Gals. per 8 hr. Shift
6 Cyl. Cummings Diesel runs W.B.H. 445 c.f.m. Gardner Denver Air Compressor	4.5	36
4 Cyl. Cummings Diesel runs 25 K.W. Generator	1	8
R.D7 Caterpillar Tractor	5	40
D2 Caterpillar Tractor & Traxcavator	3	24

Diesel fuel is also used in a heating stove in the frame bunk house and in the range in the bunk house. It appears obvious to me that the project could not properly function without heating for the comfort of the men employed.

During part of the month of January two shifts worked per day. It necessarily doubles the amount of fuel used in the compressor. The D7 Caterpillar Tractor was used almost constantly during the month. The D2 was used to a lessor degree.

The following gasoline operated equipment was used on the project:

4 Cyl. Climax Motor, runs W.B.Q. 285 c.f.m. Gardner Denver Air Compressor	3 Gals. per Hr.	24 per 8 Hr. Shift.
Starting Motor R.D7 Tractor		1 gal.per day
Starting Motor D2 Traxcavator		.5 " " "
1937 Chevrolet Motor runs Arc Welder	3 Gals per hr. (Average monthly use 10 hrs.)	
Delco Light Plant		2 gal.per day
Dodge Power Wagon Truck		12 gal.per day

The small compressor is not the most efficient piece of machinery that we have. It obviously uses quite a lot of fuel.

We estimate that there was on hand on the date when the project was closed down, 1500 gallons of diesel fuel on hand and 350 gallons of gasoline on hand. The estimate may not be entirely accurate since we do not have tables and measuring sticks adapted to the types of tanks the fuel is stored in. The estimates are based upon measurements of the depth of the fuel in the tanks and the number of gallons which are held by the tanks.

Yours very truly,

LEAIVILLE LEAD CORPORATION

BY: Ben Wright, Jr.
Secretary.

BLWJ:rd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 23, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for January 1953

Supplementing my memorandum of April 6, 1953, and as further clarification of the subject progress report as detailed in your memorandum of April 15:

(1) The only charge made that is not applicable to the project is for long-hole drilling. This is a small amount, probably less than the 10 percent based on man hours reported by the operator in the narrative. All items of equipment and supplies previously assessed against this category have been disallowed, but, in this case, we considered it reasonable to ignore the small sum involved rather than to attempt to make a suitable proration which at its best would be only a guess.

(2) While, admittedly, the gallonage of diesel fuel appears excessive, we had determined previously that there is sufficient storage capacity at the project for the amount charged, both gasoline and fuel oil. We have no means of determining the quantity carried in storage but do know requirements are considerable. One compressor is diesel driven, as are the D-2 and D-7 Caterpillars and the 25KW diesel-electric set, and the kitchen range has been converted from coal to fuel oil.

While the invoices are not signed by a Gately Motor Company representative, in all cases they are signed showing receipt by Leadville Lead employees, and the two Nos. 1468 and 1470 are assumed not to be duplication as they are signed by different employees. In addition, the copy of Gately's invoice is certified by the company secretary, Ben Wright, Jr. Under the circumstances, disallowance is not considered justified, although a statement will be requested from Wright as to the quantity of both gasoline and diesel oil on hand when operations are suspended.

(3) It is our assumption that, although the 1,000-gallon storage tank is listed on the Gately invoice at $136.53, it was not charged to the project. Reference to the operator's distribution form shows that, of the total invoice of $781.56, only $542.30 was charged to the project as miscellaneous supplies. The difference of $239.26 probably includes the tank. Storage gasoline is used for operation of one of the compressors, as well as the Dodge power wagon. This is, no doubt, a very low-mileage vehicle and the mileage driven is probably more than is actually necessary.

(4) The operator claimed the D-7 bulldozer operating on snow removal and road maintenance on one shift and undergoing repair on the other shift. We are committed, according to our interpretation, to repair labor and material and, on the basis of the statement from the operator, passed both the depreciation and repair for payment.

(5) The mucking machine and ore cars were in use at least a portion of the period for station preparation, clean-up, and other similar work. The cars may possibly have been used for transporting the drill crews to and from work. We considered the depreciation charge legitimate.

As you know, the Leadville Lead operations, including the accounting, have been inefficient. When operations are resumed next spring some attempt should be made to improve the supervision, at least.

If the above explanation is satisfactory to you and the auditors, I recommend the January account be approved for payment as originally submitted.

W. M. Traver

W. M. Traver

WMT/amh
cc: 4
E250
DMEA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 6, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for January 1953

Please find enclosed the original and four copies of the subject progress report--forms MF-104 and MF-104A, with narrative and required documentation--and the original and six copies of R. L. Bolmer's memorandum covering underground drilling progress and accounts.

The 295 feet of drilling reported on the MF-104A form is probably correct. Operations were resumed March 14, 1953, the day after the inspection, according to a letter from the operator addressed to you.

The accounts are approved within the limits of the Branch's authority for their verification, except for the following:

Item 1.	Independent contracts:	
	Payment to subcontractor for cement	$ 6.25
Item 3.	Operating Materials and Supplies:	
	Miscellaneous supplies; unessential drill steel	605.05
Item 7.	Miscellaneous:	
	Repairs to equipment; Walker Welding Company, Not documented	.60
Item 8.	Contingencies:	
	Transportation; South Park Motor Lines, Not documented	1.24
		$613.14

These items, totaling $613.14, are disallowed for the reasons shown.

Total claimed by contractor	$5,289.03
Disallowed	613.14
Amount approved	$4,675.89

Payment is approved and certified on the MF-104 forms of $2,337.94, or 50 percent of the above sum, subject to the usual Region IV audit.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc: 4
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 6, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Balmer

Subject: DMEA 1463K, Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for January 1953

Progress under the subject contract was inspected March 13, 1953, with W. M. Traver, Bureau of Mines, E. N. Harshman, Geological Survey, and H. W. C. Prommel, consulting engineer. On the date of inspection, diamond drill hole No. 5 had been completed and the drilling contractor had removed his equipment from the property. A sixth hole from the Dauntless tunnel had been contemplated but it was considered impractical to attempt the work at the present time. The directors of the company have decided to shut down all operations until spring.

Operations to date have not been efficient, due principally to the lack of qualified supervision. Continued operation during the winter and early spring would be costly due to weather conditions and the company has found it necessary to improve its financial condition. The company plans to submit for approval a revised diamond drilling program to commence in May or June.

The operator's monthly report and accounts for January 1953 have been reviewed. Details of the work completed during the period are discussed in Prommel's narrative. Drilling was not performed between January 1 and 15 due to a breakdown of the drilling equipment. From January 1 to 31 hole No. 4 was advanced 51 feet and stopped at a depth of 390 feet in the Sawatch quartzite; hole No. 5 was collared and had reached a depth of 250 feet by the end of the period.

The company claims for reimbursement costs incurred in the amount of $5,289.03. Certain of these costs, or portions thereof, are not approved:

Invoice	Charged to Project	Not Approved	
Wallace A. Rogers	$1,872.50	$ 6.25	(Cement furnished by contract driller)
Beals and Van Cooten	605.05	605.05	(Not necessary at present time)
Walker Welding	6.60	0.60	(Not documented)
South Park Motor Lines	105.43	1.24	(Not documented)
		$613.14	

Costs incurred in the amount of $4,675.89 are approved. Payment of 50 percent of the approved amount, or $2,337.94, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc: 6
E250
DMEA Chron.

In order to bring the January MF 104 into compliance with the suggestions contained in the audit to and through October 31, 1952, $657.13 was deducted from the amount of labor previously reported. The $141.00 shown under sampling and analysis of prior reports was dropped. The amount of technical services was increased to $5049.00. $77.32 was deducted from miscellaneous supplies.

Ben Fewright, Jr
Secretary.

LEADVILLE LEAD CORPORATION

Payroll Summary for Period Ending 1/3/53

NAME	Days or Dates S 28	M 29	T 30	W 31	T 1	F 2	S 3	TOTAL TIME	RATE	AMOUNT CLAIMED	REGULAR SALARY	OVERTIME
Porter Kirkwood D-7 repr 40 hrs.	0	0	8	8	8	8	8	40	$1.75	$70.00	$70.00	none
Wayne Rankin Plow snow of road	0	0	8	8	8	8	8	40	$1.75	$70.00	$70.00	none
Duke Beals Comp. rep. 19 hrs D-7 rep. 24 hrs. (Mechanic)	0	0	11	8	8	8	8	43	$2.00	$86.00	$90.00	$11.00
W. E. VanCooten shifter	1/2 month Dec. 15 ot Jan. 15 $400 per mo									$200.00	$200.00	

Payroll Summary for Period Ending 1/10/53:

Porter Kirkwood 20 hr repairs to D-7 ~~12 hrs building columns & bars for long hole drilling~~ ~~24 hrs long hole set up & drilling 100 feet~~	8	8	8	8	8	8	8	56	$1.75	$ 35.00	$ 70.00	$42.00
Wayne Rankin 20 hrs repr. to D-7 ~~12 hr. bldg. columns & bars for long hole drilling~~ ~~24 hrs. long hole set up & drilling~~	8	8	8	8	8	8	8	56	$1.75	$ 35.00	$ 74.00	$54.00
Duke Beals 24 hrs. repair to D 7 32 hrs comp. man (Mechanic)	8	8	8	8	8	8	8	56	$2.00	$144.00	$ 90.00	$54.00

TOTAL WAGES	TOTAL DEDUCTIONS	NET PAID	CHECK NO.
$70.00	$29.35	$40.65	#1750
$70.00	$29.35	$40.65	#1751
101.00	$37.80	$63.20	#1752
200.00	$21.80	178.20	#1753
112.00	$45.36	$66.64	#1769
128.00	$48.60	$79.40	#1770
144.00	$53.50	$90.50	#1771

Payroll Summary for Period Ending 1/17/53:

Porter Kirkwood												
~~8 hrs. hanging doors in cat shed~~												
16 hrs comp. man												
~~16 hrs. long hole drilling~~	0	0	8	8	8	8	8	40	$1.75	$18.00	$70.00	none
Mike Rankin												
8 hrs repairs to D-7												
16 hrs plowing snow												
~~16 hrs long hole drilling~~	0	0	8	8	8	8	8	40	$1.75	$42.00	$90.00	none
Duke Beals												
Comp. man & Mechanic	0	0	8	8	8	8	8	40	$2.00	$80.00	$90.00	none
W. E. VanCooten												
Shifter												
weekending 1/3/53	0	0	0	0	8	8	8	24	$400.00			
" 1/10/53	8	8	8	8	8	8	8	56	per			
" 1/15/53		8	8	8	8			32	month	$200.	$200.	none

Payroll Summary for Period Ending 1/24/53:

Porter Kirkwood	0	0	0	8	8	12	12	40	$1.75	$70.00	$70.00	none
16 hr. comp. man												
8 hrs drill blast & muck D.D.Hole #9												
8 hrs set up												
8 hrs. repair D7 Cat												
Wayne Rankin												
16 plowing snow road												
8 drill blast & muck D.D.Hole #9												
16 hrs. repairs D7 cat.	0	0	0	8	8	12	12	40	$1.75	$70.00	$90.00	none
Duke Beals												
8 hrs. plowing snow												
8 hrs. repairs D2 cat.												
24 hrs. repairs D7 cat. (Mechanic)	0	0	0	8	8	12	12	40	$2.00	$80.00	$90.00	none

$ 70.00	$29.65	$ 40.35	#1775
$ 90.00	$33.65	$ 56.35	#1776
$ 90.00	$33.65	$ 56.35	#1777
$200.00	$21.80	$178.20	$1778
$ 70.00	$26.35	$ 43.65	#1780
$ 90.00	$30.65	$59.35	#1781
$ 90.00	$30.65	$59.35	#1782

Certified transcript of pertinent portions of payrolls paid during January for the benefit of the project.

Secretary

TO BE FURNISHED BY THE OPERATOR

ITEM	VALUE	Depreciation Allowance for Month
1 Dodge Power Wagon	$3060	$ 51.00
1 365 cfm G.D. Compressor	$6950	116.00
1 25 KW Diesel-Electric	3975	66.00
3 30 cu. ft. side dump cars	900	16.25
1 Air locomotives	1810	30.00
20 Edison Electric camp lamps	450	7.50
1 Deming Pump 1 hp.	340	6.00
1 CD mucking machine	2040	34.00
1 D 7 Caterpillar	4600	76.00
1 D-2 Caterpillar	5000	83.33

I certify that the above equipment was used on the project during the month of January, 1953.

LEADVILLE LEAD CORPORATION

BY: Ben L. Wright, Jr.
Secretary

H. W. G. MARSHALL
Consulting Geologist and Mining Engineer
731 South Downing Street
Denver 9, Colorado

In re: Docket No. 1463.
Lead-Zinc

Report No. 12
Written February 20, 1953

Narrative Report on Operations at the Dauntless Tunnel
Park County Colorado

For the Month of
JANUARY
1953

During the month of January 1953, apart from the diamond drilling contractor's time, an average of 4.3 men put in 26 eight-hour shifts for a total of 888 man hours at and near the Dauntless tunnel. Since October 1952, company time has been as follows:

1952			
October	7.28 men	30 eight hour shifts	1740 man hours
November	5.6 men	28 eight hour shifts	1256 man hours
December	3.9 men	27 eight hour shifts	840 man hours
1953			
January	4.3 men	26 eight hour shifts	888 man hours

Apart from diamond drilling, work during January consisted of road maintenance (plowing snow), building construction and upkeep, repairs of equipment and long hole drilling. Time distribution by man hours and percentages for January is as follows:

	Man hrs.	Man hrs.	%
ROADS			
Plowing snow		120	13.4%
BUILDINGS			
Construction. Doors on cat house	64		
Cleaning up and upkeep	16	80	9.0
REPAIRS EQUIPMENT			
Caterpillars	264		
Bars for long hole drilling	24		
Trips to Denver for cat. parts	48	336	37.8
LONG HOLE DRILLING			
Drilling		88	10.0
DIAMOND DRILLING			
Supervision and assistance (VanCooten)	16		
Blasting out station for hole 12	16		
Compressors	184	216	24.3
SUPERVISION			
Bookkeeping	16		
Supplies (trips to Alma)	16		
With government engineers	8	40	4.5
TOTAL.		888	100.0 %

Forward			888	100.0%	82.8%

DIAMOND DRILLING Drilling Contractor

Days lost					
Broken drilling machine	15				
Bad weather	2				
No compressor man (bad weather)	3	48			
Drilling out station, hole 12	1	16			
TOTAL.	21	64			
Days drilled	10	184	184		17.2 %
TOTAL DAYS	31		--		--
TOTAL MAN HOURS. . .			1072 m.h.		100.0 %

Recapitulating above items, we have:

Miscellaneous			
Roads. Maintenance	128		
Buildings	80		
Repairs equipment	336		
Long hole drilling	88		
Supervision	40	672	62.6 %
Diamond drilling			
Compressors	184		
Stations etc.	32		
Drilling contractor's time	184	400	37.3 %
TOTAL MAN HOURS.		1072	100.0 %

A part of above miscellaneous items could be rightfully charged to diamond drilling, as it represents work done in order to keep diamond drilling going.

DIAMOND DRILLING DURING JANUARY 1933

Due to a breakdown of the diamond drill, and difficulty in obtaining spare parts (for which the contractor is responsible), no drilling was done from January 1 to 15, inclusive, hole No. 8 was drilled from 339 ft. on January 16 and bottomed at 390 feet on January 17. It encountered the top of the Sawatch quartzite at 342 feet. Adjusting the direction of the hole to the approximate N- 15-W strike and average of 15 degrees easterly dip, true thicknesses of formations passed through in hole No. 8 (Station hole 4), are:

Upper porphyry sill	80 ft.
White (Manitou) lime	105½ ft.
Lower porphyry sill	38 ft.
Shaley lime (Fearless)	45 ft.
Sawatch quartzite	40 ft to bottom of hole.
TOTAL. . . .	308½ ft.

Due to bad weather conditions, lack of compressor man and one day for blasting and mucking out drilling station, hole No. 12 (Rotation No. 5), 2129 feet from the Dauntless tunnel, drilled downward 62 degrees in a direction of S-50-E, to intersect the Hilltop fissure in the Peerless shale, whas not started until January 24th from which date drilling continued uninterruptedly to and including January 31, Hole No. 12 encountered Porphyry to 96 ft., limestone from 96 ft. to 230 ft. and porphyry from 230 ft. to 250 ft.

Only the cores from hole No. 1 and No. 3 have so far been inspected by Mr. Promnel, core boxes for other holes not having reached Denver as yet for inspection and compilation of geologic log. All core boxes for Hole No. 5 with exception of the last one, were delivered by Mr. Promnel to the core storage room of the U. S. Bureau of Mines at Federal Center, near Denver.

A log of drilling operations during January, for cores of holes 8 and 12, giving location of holes, drilling directions and inclinations, depths, core recoveries, number of runs, as well as other data, all based on daily driller's logs, is attached hereto and made a part of this report.

The data in this report is based on daily record sheets and diary kept by [illegible] at the mine and checked by H. W. G. Promnel in Denver.

Maurice Lock was employed by the company as rock picker and received compensation therefor, all of which is claimed on form 104.

Respectfully submitted,

Gerald W. G. Promnel

BY: [illegible]

Gerald W. G. Promnel,
Consulting Engineer.

Denver, Colorado
February 28, 1952.

DIAMOND DRILLING - DECEMBER, 1952

Date	Hole No.	Rotation No.	Distance from Dauntless Tunnel Portal	Direction of Hole	Inclination Degrees Up(x) or Down (-)	From ft.	To ft.	Distance ft.	Core Recovered ft.	Core Recovery %	Man Hours	No. of Runs	REMARKS
1	8	4	2226'	S-50-E	62°	91	94	3	0.75	40	7	1	(Continued from November) Drilled 2 hrs. Hole caring. Going to Salida after cement. Porphyry. Used 1 sack cement.
2						--	94	0			8		Waiting for cement to set. Day shift
3							94	0			6*		*Drilling out cement, night shift.
4						94	104	10 AX	6	60	8	3	Porphyry to 101'. Limestone 101-104' No mineral at contact zone, notcorin
5						104	131	27 " "	20	74	8	5	Limestone. Some iron showing in core and sludge. L.S. broken, not coring good. Taking sludge.
6						131	146	15 " "	8	53	8	2	Limestone, broken.
7						146	161	15 " "	7	47	8	2	" " " , Formation badly broken up.
8						161	163	2 " "	2	100	2	1	Limestone. Lost 6 hrs. compressor down for repairs. Tried to run with small compressor.
9						163	167	4 " "	3	75	2	1	Limestone broken. Lack of air. No Compressor man in morning 6 hours
10						167	171	4 " "	3	75	4	1	Limestone broken. Lack of air to run machine 7 hrs.
11						171	181	10 " "	10	100	8	1	Limestone badly broken. Lack of air trying to drill with 1 compressor
12						181	191	10 " "	8	80	8	2	Limestone broken. 2 hrs. air delay. 2 compressors during afternoon
13						191	211	20	16	80	7	1	Limestone with quartz stringers. Formation very hard and broken.
14						Sunday no work							

15	211	221	10	AX	2	20	5	1	Limestone
16	221	226	5	"	2	40	8	1	Limestone. Cave in hole. Trouble getting tools to bottom
17	226	236	10	"	10	100	8	1	Limestone. Badly broken
18	236	254	18	"	18	100	11	2	Porphyry
19	254	276	22	"	20	91	10	3	Porphyry
20	276	286	10	"	10	100	14	2	Porphyry to 285' Limestone below
21	Sunday no work								
22	286	306	20	"	20	100	10	2	Limestone
23	306	321	15	"	15	100	11	2	Limestone
24	321	326	5	"	5	100	4	1	Limestone
25									
26	326	336	10		10	100	4	1	Limestone
27	336	339	3		2	66	8	2	Shale
28	Sunday no work								
29	no work did not get to mine								
30	Drill out of order, shaft broken								
31	" " " " " "								
DECEMBER TOTALS & AVERAGES. . . .			248		197.75	80%	177	38	

Days drilled - 22
Average feet drilled per hr. 1.4 ft.
" " " per 8 hr. shift 11.2 ft.

I hereby certify that the foregoing compilation of core logs is a true transcript of the pertinent information contained in drill logs prepared by me showing drilling done by me for LEADVILLE LEAD CORPORATION during the month of December.

[signature]

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

Defense Minerals Administration
RECEIVED
FEB 2 1953

Month of December, 1952 Docket No. DMEA 1463K Contract No. L 250
Operator's Name Leadville Lead Corporation Minerals Lead Zinc
Address 718 Symes Bldg., Denver, Colorado
Contract Amount, $ 100,800 Government Participation: 50 % Amount, $ 50,400.

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	1478.85		1478.85			
Bulldozing						
Crosscutting		28,165.00	28,165.00			
Drifting						
(2) Labor and Supervision:						
Labor	2117.50	8,781.24	10,898.74	1362.00		10,143.24
Supervision		133.33	133.33			
Technical Services		4,908.00	4,908.00			
(3) Operating Mat'ls. and Supplies:						
Timber		78.56	78.56			
Explosives		235.55	235.55			
Pipe		1,494.30	1,494.30			
Track		935.42	935.42			
Misc. Supp.	498.61	3,225.28	3,723.89	394.33		3,619.61
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	486.08	6,211.85	6,697.93			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		3,201.49	3,201.49			
Sampling and Analysis		141.00	141.00			
Payroll Taxes						
Liability Insurance						
Bookkeeping		405.00	405.00			
(8) Contingencies (specify): Transportation	49.63	300.20	349.83	48.39		348.59
				3,769.65	58,394.22	62,163.87
				*	-2,730.31	-2,730.31
TOTALS	4,630.67	58,394.22	63,024.89	3,769.65	55,663.91	59,433.56

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

Date Jan. 19, '53 Payee LEADVILLE LEAD CORPORATION

Per Ben Wright Jr. 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)

* Previous deductions

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

$ 1884.83

Signature [illegible]
(Authorized Certifying Officer)

Date 2/20/53 Vou. No. DMA 53-98
(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-250 in accordance with the terms of the contract.

Signature L. P. Palmer $1884.82 Title Mining Engineer Date Jan. 30, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W. H. King Title Executive Officer Date FEB 10 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 1463X Contract No. 15250

Operator's Name Leadville Lead Corporation Minerals Lead

Address 718 Symes Bldg., Denver, Colo. Zinc

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		23.48		41,550.42	843	49.29	900	45.00
Raising								
Shafts								
Winzes								
Drilling: Core		3,746.58	248	7,187.95	591	12.16	3000	7.00
Churn								
Auger								
**Stage 2 preparation				7,175.95				
Trenching								
Test Pits								
* Roads and Trails maintenance		663.86		5,083.81				
* Tunnel Main onance		196.75		2,026.76				
TOTAL DISTRIBUTED COSTS		4630.67		63,024.89				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4630.67		63,024.89				

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: (See attached Sheet)

Date Jan. 19, '53 Operator Leadville Lead Corporation

Per Ben L. Wright, Jr. 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)

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

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

Administrative Audit Difference Statement

Date 2/13/52
Payee's
Reference: Progress Report
December 1953

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount Claimed $ 4,630.67

Difference $ 861.02

Amount Approved $ 3,769.65

The reason for the difference was due to:

Labor and Supervision (not allowable under the contract)	6755.50
Dial's Service	29.06
Cayoly Motor Co.	32.70
D & B Motor Co.	19.67
South Park Motor Lines	23.29
Total Disallowances	0861.02

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

February 10, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc) Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of December, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions in conformance with recommendations made by the inspecting engineer.

Labor and Supervision -	$755.50
Operating Materials and Supplies-	104.28
Contingencies -	1.24
Total Disallowances -	$861.02

Remarks:

Date of Report - January 19, 1953
Date Received in Field Office - January 23, 1953
Date Received in Region Office - February 9, 1953
Date Processed for Payment - February 10, 1953

W. H. King

W. H. King

Enclosures

RDB:oc
cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 4, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMMA 1463X, Contract Idm-R250 (lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for December 1952

Please find enclosed five copies of the above progress report--forms MF-104 and MF-104A, with narrative and required documentation--and seven copies of R. L. Bolmer's memorandum covering the core drilling progress and accounts.

Project operations are confined to underground diamond drilling which is correctly reported as 248 feet this month, for a total of 591 feet to date.

Item	Claimed	Disallowed
(2) Labor and Supervision	$2,117.50	$755.50
(3) Operating Materials and Supplies	498.61	104.28
(8) Contingencies	49.63	1.24
Total disallowed		$861.02

This total $861.02 disallowed, with which I agree, subtracted from the total $4,630.65 claimed leaves $3,769.65. Of this sum, 50 percent, or $1,884.82, is approved for payment, subject to yours and the Audit and Accounts Section's verification of the correctness of applicable rates charged and arithmetical accuracy.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh
cc: 4, R250, DMMA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 4, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMRA 1463X, Contract Idm-E250 (lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for December 1952

During December, hole 4 from the Dauntless tunnel was diamond drilled from 91 to 339 feet, a distance of 248 feet. Drilling progress during the period and drilling progress to date, 591 feet, have been shown correctly on form MF-104A. The drilling reported conforms to the terms of the subject contract. Details of the operation during December, including a description of the formations penetrated by hole 4, are discussed in the narrative report.

Payment to the drilling subcontractor for 252 feet of diamond drilling completed during November (holes 1, 2, and 3) has been claimed this period. The subcontractor's invoices and certified copies of the drill hole logs have been examined. The work performed and the unit costs charged conform to the terms of the approved subcontract and the total amount claimed, or $1,478.75, is approved.

The company claims $2,117.50 for labor performed during the period. Only $1,362.00 of this amount is approved as being necessary or allowable under the contract. The work and the wages of the individual employees which are considered allowable and which are approved have been indicated on the original copy of the company payroll.

The following costs claimed this period for supplies or transportation of supplies are not approved:

Invoice	Amount disallowed	Reason
Dial's Service	$ 29.86	Equipment into which itemized gasoline was delivered not indicated.
Gately Motor Company	32.70	Equipment into which itemized gasoline was delivered not indicated; passenger car chains not allowable.
B. & B. Motor Company	19.67	Equipment into which itemized gasoline was delivered not indicated; storage not allowable.
South Park Motor Lines	23.29	C. O. D. and transportation; auto parts not itemized or invoiced.
	$105.52	

Total claimed by company, December 1952		$4,630.67
Total not approved		
Labor	$755.50	
Supplies, transportation	105.52	861.02
Approved total		$3,769.65

Payment of 50 percent of the approved amount, or $1,884.82, is recommended.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/amh

cc: 6
E250
DMEA Chron.

DMEA 1463X
1DME 250

December, 1952
REMARKS:
Depreciation to date has been divided as follows:

Tunnel Maintenance	
Shown in prior reports	604.00
December	87.75
	691.75
Road Maintenance	
Shown in prior reports	1,224.14
December	159.33
	1,383.47
Crosscutting	4,015.71
Stage II Diamond Drilling	
Shown in prior reports	368.00
December	247.08
	615.08

Technical Services, Office expense and Assaying have been divided as follows:

Crosscutting	1,602.00
Stage II	
Raising	836.60
Core Drilling	2,250.00
Stage III	765.40

LEADVILLE LEAD CORPORATION
December - 1952

INVOICE	CHECK	AMOUNT	CONTRACT	LABOR	TECHNICAL MISC. SUPPLIES	TRANSPORTATION	DEPRECIATION
Rogers	1703	1,478.85	1,478.85				
Payroll (See Sheets)				2,117.50			
Dr. Risk	1704	108.00			108.00		
Deels	1726	112.19			112.19		
Gately	1727	205.13			199.13		
B & B	329	19.67			19.67		
So. Park	1730	49.93				45.09	
So. Park	324	23.29			22.05	1.24	
So. Park	336	15.87			12.57	3.30	
VanCooten	321	25.00			25.00		
Depreciation (See Sheet)							486.08
TOTAL. . . .			1,478.85	2,117.50	498.61	49.63	486.08

Location: LAKEVILLE LEAD CORPORATION

Payroll Summary for week ending November 29, 1952

NAME		Days or Rates S	M	T	W	T	F	S	TOTAL TIME	OVER TIME	RATE PER HOUR
Chas Vanhoosen -	16 hr. on road to Hilda 32 hr. gen. road work		8	8	8	8	8	8	48	8	
Ed Knisley	32 hr. sampling Hilda 16 hr. work on Cat.Shed	($56.00 claimed)	8	8	8	8	8	8	48	8	
Porter Kirkwood	38 hr. comp. man for diamond drilling	8	8	11	8			3	38		
Wayne Jenkin	16 hrs. Repairs & Paint D-2 Cat 16 hrs. Shop repairs		8		8		8	8	32		
John Burton	32 hr. sampling Hilda 16 hrs. comp. man D.Drill 8 hrs drill & blast for drill station	8	8	8	8	8	8	8	56	16	
Luke Seals	Mechanic		8	8			8	8	32		
W. L. VanCooten	1/2 month 11/15 to 11/30 @ $400.00										
W. L. Wells	1/2 month	(Not claimed herein)									

Payroll Summary for week ending December 6, 1952

Chas Vanhoosen	reg. wk. 48 hrs		8	8	8	8	8	8	48		
Ed Knizley	24 hrs. building doors for cat. shed - 24 hrs building storm doors, fixing windows	(not claimed) 8	0	8	8	8	8	8	48		
Porter Kirkwood	16 hrs comp.man nites - 24 hrs wk. on cat.shed. - 23 hrs. caulking quonset hut	($28.00 claimed) 10	12	9	8	8	8	8	63		

SALARY OR WAGES	OVER-TIME	TOTAL	Old Age Soc.Sec. Insur.	With holding Tax	Board, Adv. & Misc.	TOTAL	NET AMOUNT PAID	CHECK NUMBER
$ 90.00	$27.00	$117.00	$1.76	$15.40	$15.00	$32.16	$ 84.84	#1705
$ 70.00	$21.00	$ 91.00	1.37	$ 7.70	15.00	$24.27	$ 66.73	#1706
$ 66.50		$ 66.50	1.00	$10.80	13.70	$25.50	$ 41.00	#1707
$ 56.00		$ 56.00	.84	$ 8.70	10.70	$20.24	$ 35.76	#1708
$ 70.00	$42.00	$112.00	$1.08	$12.20	$22.70	$35.98	$ 76.02	#1709
$ 72.00		$ 72.00	$1.08	$12.00	$13.70	$26.78	$ 45.22	#1710
		$200.00	$3.00	$18.60		$21.80	$178.20	#1712
		$150.00	$2.25	$24.45	$10.00	$36.65	$113.35	#1711
$ 90.00	$27.00	$117.00	$1.76	$15.40	$15.00	$32.16	$ 84.84	#1713
$ 70.00	$21.00	$ 91.00	$1.39	$ 7.70	$13.70	$27.77	$ 63.23	#1714
	$61.40	$131.40	$1.97	$23.90	$27.40	$53.27	$ 78.13	#1715

Wayne Rankin	24 hrs. rebuild D2 bucket 16 hrs. overhaul gen. & starter small compressor 16 hrs. install fuel tank & set stove			($70.00 claimed)						
		8	8	8	8	8	8	8	56	16
Luke Beals	Comp. man & Mechanic	8	8	8	8	8	8	8	56	16
John Burton	24 hrs. build core boxes 24 hrs. build storm doors 8 hrs. set fuel tank			($56.00 claimed)						
		8	8	8	8	8	8	8	56	16

Payroll Summary for week ending December 13, 1952

Chas. VanHoosen	16 hrs. comp. man 8 hrs on road			($42.00 claimed)					
		0	8	8	8	0	0	0	24
Ed Knizley	16 hrs. repair comp. 4 hrs. comp. at night 8 hrs. shoved snow & get water 8 hrs. building boxes for sludge samples								
		0	0	0	8	12	8	8	36
Porter Kirkwood	8 hrs. installing small light plant - 8 hrs bldg. repairs			($14.00 claimed herein)					
		0	0	0	0	0	8	8	16
Wayne Rankin	12 hrs. installing small light plant 4 hrs plowing snow on road								
		0	0	0	0	0	8	8	16
John Burton	16 hrs. repairing comp. 16 hrs building boxes for sludge samples								
		0	0	0	8	8	8	8	36
Duke Beals	comp. man & Mechanic	8	0	0	0	0	8	8	24
W. E. VanCooten		1/2 month 12/1 to 15th							
Stanley VanStatts		Cook for 1/2 mo. (Not claimed)							

$ 70.00	$42.00	$112.00	$1.68	$19.90	$25.70	$47.28	$ 64.72	#1716
$ 90.00	$54.00	$144.00	$2.16	$25.90	$25.70	$53.76	$ 90.24	#1717
$ 70.00	$42.00	$112.00	$1.68	$12.20	$22.70	$36.58	$ 75.42	#1718
$ 54.00		$ 54.00	$ .81	$ 3.20	$ 6.00	$10.01	$ 43.99	#1733
$ 63.00	$	$ 63.00	$ .95	$ 2.30	$12.00	$15.25	$ 47.75	#1734
$ 28.00		$ 28.00	$ .42	$ 3.10	$ 6.00	$ 9.52	$ 18.48	#1735
$28.00		$ 28.00	$ .42	$ 3.10	$ 6.00	$ 9.52	$ 18.48	#1736
$ 56.00		$ 56.00	$ .84	$ .80	$12.00	$13.64	$ 42.36	#1737
$ 54.00		$ 54.00	$ .81	$ 8.80	$ 9.00	$18.11	$ 35.89	#1738
		$200.00	$3.00	$18.80		$21.80	$178.20	#1739
		$150.00	$2.25	$24.45		$26.70	$123.30	#1740

Payroll Summary for week ending December 20, 1952

Chas. VanHoosen	Tractor work on road	0	8	8	8	8	8	8	48
Porter Kirkwood	16 hrs. installing light plant 10 hrs nite comp. man 12 hrs. building repairs	8	4	0	0	8	10	8	38
Wayne Rankin	8 hrs comp. man nite 8 hrs. installing light plant (~~$45.50 claimed herein) 8 hrs repairing waterline	0	0	0	6	12	8	8	34
Luke Beals	Compressor man	0	0	0	8	8	8	8	32

Payroll Summary for week ending December 27, 1952

Chas. VanHoosen	Tractor wk. on road	0	8	8	8	0	8	8	40
Porter Kirkwood	16 hrs. wk. in tunnel 8 hrs. comp. (~~$42.00 claimed herein) 8 hrs. wk. on building repairs		8	8	8	0	8	0	32
Wayne Rankin	24 hrs. wk. in tunnel Connecting water, cleanup cave at 1810	0	8	8	8	0	0	8	32
Luke Beals	Comp. Man	0	8	8	8	0	0	8	32

$ 90.00	$27.00	$117.00	$1.76	$15.40	$15.00	$32.16	$ 84.84	#330
$ 66.50		$ 66.50	$1.00	$10.80	$12.00	$23.80	$ 42.70	#331
$ 59.50		$ 59.50	$ .89	$ 9.30	$ 9.00	$19.19	$ 40.31	#332
$ 72.00		$ 72.00	$1.08	$12.00	$10.70	$23.78	$ 48.22	#333
$ 90.00		$ 90.00	$1.35	$10.50	$15.00	$26.85	$ 63.15	#1743
$ 56.00		$ 56.00	$ .84	$ 8.70	$12.00	$21.54	$ 34.46	#1744
$ 56.00		$ 56.00	$ .84	$ 8.70	$12.00	$21.54	$ 34.46	#1745
$ 72.00		$ 72.00	$1.08	$12.00	$ 9.00	$22.08	$ 49.92	#1746

Certified transcript of payroll for December 1952.

Ben Lewright, Jr.
Secretary

TO BE FURNISHED BY THE OPERATOR

Item	Value	Depreciation Allowance for Month
1 Dodge Power Wagon	$3060	$ 51.00
1 365 cfm G.D.Compressor	6950	116.00
1 25 KW Diesel-Electric	3975	66.00
3 30 cu. ft. side dump cars	900	16.25
1 Air locomotives	1810	30.00
20 Edison Electric camp lamps	450	7.50
1 Deming Pump 1 hp.	340	6.00
1 CD mucking machine	2040	34.00
1 D 7 Caterpillar	4600	76.00
1 D 2 Caterpillar	500	83.33

I certify that the above equipment was used in the project during the month of December, 1952.

Ben L Wright, Jr
Secretary.

H.W.C. PROMMEL
Consulting Geologist and Mining Engineer
731 South Downing Street
Denver 9, Colorado

Report No. 11
Written January 10, 1953.

In re: Docket No.LMA 1463X
Lead-Zinc.

Narrative Report on Operations at the Dauntless Tunnel
Park County. Colorado.

For the Month of
D E C E M B E R
1 9 5 2

During the month of December 1952, apart from the diamond drilling contractor's time, an average of 3.9 men put in 27 eight hour shifts each for a total of 840 man hours at the Dauntless tunnel. Since October 1952, company time has gradually been reduced as follows:

1952			
October	7.28 men	30 eight hour shifts	1748 man hours
November	5.6 men	28 eight hour shifts	1256 man hours
December	3.9 men	27 eight hour shifts	840 men hours.

Apart from Diamond drilling, work during December consisted of road maintenance, transportation, building installations (fuel oil tanks) and repairs, repairs of equipment and upkeep timbering and barring down loose rocks along the course of the Dauntless tunnel. Time distribution by man hours and percentages for December is as follows:

ROADS			
Plowing snow	144		
Hauling Fuel Tank and Supplies	32		
Denver for repair parts for compressor	8	184	22 %
BUILDINGS			
Building doors for caterpillar shed	64		
Painting doors and setting fuel tanks	48		
Caulking Quonset hut and general repairs	24		
Latches on storm doors, bunkhouses,	8	144	17.1 %
EQUIPMENT REPAIRS			
Rebuild bucket for D2 caterpillar	32		
Overhaul generator and starter, Climax engine on small compressor	24		
Taking broken piston out of large compr	8		
Putting new piston in large compressor	32		
Installing small light plant	48		
Repairing water line	16		
Taking head off D2 caterpillar to repair small oil leak	8		
Repairing D7 caterpillar	16	184	21.9 %

	Man hours		Percent	Percent
TIMBERING				
Timbering Dauntless drift	8			
Barring down loose rock in tunnel	40	48	5.7%	
DIAMOND DRILLING				
Compressor man	232			
Building core and slush boxes	48	280	33.3 %	
Man hours		840	100.0 %	82.6 %
DIAMOND DRILLING CONTRACTOR				
Diamond drilling		177		17.4 %
Grand Total		1017 man hours		100.0 %

Recapitulating above items, we have:

	Man hours		
MISCELLANEOUS			
Road Maintenance	144		
Transportation	40		
Buildings	144		
Repairs Equipment	184		
Timbering	48	560 man hours	55.1 %
DIAMOND DRILLING			
Compressor	232		
Building core and slush boxes	48		
Drilling (contractor)	177	457 man hours	44.9 %
Grand Total. . .		1017 man hours	100.0 %

A part of above miscellaneous items could be rightfully charged to diamond drilling, as it represents work done in order to keep diamond drilling going.

DIAMOND DRILLING

Hole No. 8 (Rotation Hole #4) was continued downward from 91 feet to 339 feet, at which depth it appears to be entering the Peerless shale. The hole evidently crossed the Hilltop fissure still in the porphyry from 91 to 94 feet, penetrating limestone at 101 feet. It continued for 135 ft. in limestone, then crossed through 49 feet of porphyry, re-entered limestone below the porphyry for 51 feet where it encountered transitionary beds of lime and black shale, probably corresponding to the top of the Peerless shale. The hole is being continued until it strikes some quartzite beds of the Peerless for correlation purposes.

Adjusting the direction of the hole to the approximate N-15-W strike and 15 degr. easterly dip, true thicknesses of formations passed through sofar by Hole No. 8 areaas follows:

Porphyry	80 feet
White lime	105½ "
Porphyry	38 "
Limestone	40 "
Shale	2 "
Total. . . .	265½ feet

The above interpretations are based on a study of daily drill records only, core or sludge samples not having been examined as yet by H.W.C.Prommel, as he has not been at the mine during December. Arrangements were made during the month to have all core boxes stored in the United States Geological Survey and U.S.Bureau of Mines core storage house at the Federal Center near Denver. All cores of holes 7, 2, 1, and 8 will be shipped to the Federal Center as soon as Hole No. 8 has been finished.

Small amounts of pyrite were encountered in Hole No. 8, which, however assayed only traces to 0.01 in gold and similar amounts of silver. Four samples were shipped to Denver and were assayed by Charles O. Parker and Co. of Denver.

A log of Hole No. 8, as drilled during December, giving location of hole, drilling direction and inclination, depths, core recoveries, number of runs, as well as other data, is attached hereto and made a part of this report.

Maurine Beck was employed by the company as bookkeeper and received compensation therefor, .25 of which is not claimed in Form 104.

Leadville Lead Corporation

By Harold W. C. Prommel

Consulting Engineer.

By Ben Lewright, Jr

Denver, Colorado
January 10, 1953.

DIAMOND DRILLING - NOVEMBER, 1952

Date	Hole No.	Station No.	Distance from Haultless Tunnel Portal	Direction of Hole	Degrees Up(x) Down(-)	From	To	Distance	Core Recovered	Core Recovered	Man hrs.	No. of Runs	REMARKS
Oct. 31	7	1	2226	S-75-E	70°-	0	5	5 BX	21 BX	40%	16	5	7' from face Porphyry
Nov. 1						5	27	22 "	21	97%	8	6	Porphyry with Fel 21-25'
2						27	33	6	6	100%	4	3	" " broken quartz
						33	43	10	10	100%	4	1	Porphyry
3						43	65	22	21	97%	8	3	Porphyry — Hole makes water
						65	80	15	15	100%	4	2	"
4						80	95	15	15	100%	8	2	"
						95	115	20	17	85%	4/56	2	Limestone
								115	107	93%		24	
5	2	2	1700	N-75-E	75°x	Pulling dismantling moving					16	0	
6						0	5	5 BX	4	80%	16	2	Porphyry
7						5	31	26AX	25	96%	16	3	" "
8													
9													
10						31	59	28AX	24	86%	16	3	Porphyry - Soft 31'-41' water course and cave in hole
11						59	83	24AX	24	100%	16	3	Cave following core barrel when pulling out (Porphyry) some quartzite.
12						83	83	0	0	0	16	0	Reamed 30' to shut off water. Machine freezing up
13						83	83	0	0	0	16	0	Reamed 35-65', machine freezing up
14						83	95	12	6	50%	16	3	83'-84' BX Quartzite — Hole makes
													84'-95' BX Quartzite — Lots of Water
15						Dismantling, moving, setting up for Hole No. 1					16		
16								95	83	87%	144	9	
17	1	3	1200	N-75-E	72°x	Setting up only					8		
18						)							
19						))							
20						)							
21						)							
22						) No work no driller (Illness?)							
23						)							
24						)							(5'-21' Porphyry and Quartzite?
25						0	21	21	20	95%	8	6	(21-42 Quartzite and blue L.S.?
26						21	42	21	19	90%	8	3	Contact Porphyry and L.S. approx. 35'? Hole makes much water
								42	39	93%	24	9	

27													
28	*	4	2226'	S-50-K	62°-					8			Setting up. Blasting out station
29						0	46	50X)	41	89%	11	7	Porphyry, broken first 4 ft.
30						46		41MX)					
30						46	91	45 AX	41		11	5	Broken porphyry and quartz stringer
								91	82		30		

*continued during December

Total feet drilled, November	343 ft.	Average ft. drilled per hr.	1.35 ft.
" man hours "	254 m.h.	" ft. drilled per 8 hr. shift	10.8 ft.
" core recovery	311 ft.		
Average % core recovery	90.7%		
Days drilled	13		

" I hereby certify that the above and foregoing is a true transcript of the pertenant information contained in drill report logs prepared by me or at my direction for the Leadville Lead Corporation during the month of November".

Wallace F. Rogers

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 1463X Contract No. 1DMR 250
Operator's Name Leadville Lead Corporation Minerals Lead 4
Address 710 Symes Building, Denver, Colorado Zinc
Contract Amount, $100,000.00 Government Participation: 50 % Amount, $50,400.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		28165.00	28165.00			
Drifting						
(2) Labor and Supervision:						
Labor	2033.75	6747.49	8781.24	907.75		7,735.24
Supervision		133.33	133.33			
Technical Services		4908.00	4908.00			
(3) Operating Mat'ls. and Supplies:						
Timber		78.56	78.56			
Explosives		235.55	235.55			
Pipe	311.10	1183.20	1494.30			
Track		935.42	935.42			
Misc. Supplies	1094.82	2131.06	3225.88	303.69		2,534.75
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase				419.00		6,052.52
Depreciation	578.33	5633.82	6211.05			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	67.30	3134.19	3201.49			
Sampling and Analysis		141.00	141.00			
Payroll Taxes						
Liability Insurance						
Bookkeeping		405.00	405.00			
(8) Contingencies (specify):				2,106.30	54,292.06	56,398.36
Transportation	17.46	282.74	300.20	* 734.15	*	734.15
				** 2.00	** 2.00	
				1,369.85	54,294.06	55,663.91
TOTALS	4102.16	54292.06	58394.22			

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

Date Dec. 30, '52 *Payee Leadville Lead Corporation

Per Ben Lovight, Jr. 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)

* Disallowance per DMA Auditor's Report

** To adjust to DMA Auditor's Report

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

$ 684.93

Signature [illegible]
(Authorized Certifying Officer)

Date 2/20/53 Vou. No. DMA 53-98
(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. 5-250 in accordance with the terms of the contract.

Signature R. A. Bolme 10.53.15 WM Title Mining Engineer Date Jan. 20, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.A.B. Executive Officer

Signature W. H. King Title 8 Date FEB 10 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-1041
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 2 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 1463X Contract No. 1DMR 250

Operator's Name Leadville Lead Corporation Minerals Lead

Address 718 Symes Building, Denver, Colorado Zinc

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		17.46	none	41526.94	943	43.25	900	45.00
Shafts								
Winzes								
Drilling: Core		3441.37	343'	3441.37	343	10.03		
Churn								
Auger								
~~XXXXX~~ Page 2				7175.35				
Trenching Preparation								
Test Pits								
Roads and Trails Maint.		643.33		4419.95				
Tunnel Maint.				1630.01				
TOTAL DISTRIBUTED COSTS		4102.16		58394.22				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4102.16		58394.22				

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. 30, 1952 Operator Leadville Lead Corporation

Per Ben L. Wright Title Secretary

REMARKS: (See attached Sheet) Core drilling costs do not reflect actual costs since contractor is not paid in November

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense 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

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

Administrative Audit Difference Statement

Date _____
Payee's
Reference: Progress Report
November 1953

Leadville Land Corporation
500 Ernest and Cranmer Bldg.
Denver 2, Colorado

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

Amount Claimed $ 4,122.16

Difference $ 2,758.31

Amount Approved $ 1,363.85

The reason for the difference was due to:
Disallowance per BLM Auditor's Report dated 9/4/53.

	Audit	Estimated	
Labor	600.25	(100.01)	
Technical Services	77.92		
Misc. Supplies	77.32		
Total			(754.15)

Disallowance on Rev. report as follows:

Payroll	(1,010.00)	
Grady Motor Company, Min	20.50	
Dials' Service, Fairplay	41.72	
Rockaway Motor Company, Fairplay	1.00	(operator's error in addition instead of (2.00))
Grady Motor Company	600.97	
Continental Oil Co.	13.00	
Baker's	71.00	
Union Supply Company	15.40	

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

Depreciation 1 D 7 Caterpillar	76.00
1 D 2 Caterpillar	5.33
Previous totals carried forward by operator	2.00
Total Disallowances	(1,777.5)

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-A & F Form No. 4
4-15-52 D

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

New Customhouse
Denver 2, Colorado

February 10, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 1463X, Contract Idm-X250 (Lead-Zinc) Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of November, 1952

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

Based on the recommendations of the inspecting engineer several deductions are to be made before payment is made. Refer to Operator's distribution sheet for charges which are approved by R. L. Bolmer as being in conformance with the contract and necessary charges.

Also the following deductions and reinstatements are claimed as per interim Audit Report by the Contract Administration and Audit Division Dated February 6, 1953 covering the period February 1, 1952 to October 31, 1952.

Labor and Supervision		
Labor		
Disallowance per audit report	$589.25	
Reinstatement per audit report	10.04	
Net disallowance claimed -		$579.21
Technical Services		
Disallowances per audit report -		77.92
Operating Material		
Misc. Supplies		
Disallowance per audit report		77.32
Total net disallowance per Audit Report -		$734.45

Payment is approved for 50% of the amount claimed by the Operator less the deductions recommended by the inspecting engineer and those of the Audit Report.

Remarks:

Date of Report - December 30, 1952
Date Received in Field Office - January 16, 1953
Date Received in Region Office - January 23, 1953
Date Processed for Payment - February 10, 1953

W. H. King

W. H. King

Enclosures

RDB:oc

cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 22, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for November 1952

Please find enclosed five copies of the above progress report--forms MF-104 and MF-104A, with narrative and required documentation--and seven copies of R. L. Belmar's memorandum covering the core drilling progress and accounts.

The core is being delivered to the Branch library and will be checked against the contractor's logs when received. While footage of drilling is reported, no charges are included.

This month's accounts are as irregular as they have been in the past.

Belmar disallows a total of $1,995.86, with which I agree, and approves $2,106.30 of the claim.

Payment is recommended of $1,053.15, or 50 percent of the $2,106.30 approved by the inspecting engineer, subject to further verification of the correctness of applicable rates and arithmetical accuracy of the accounts by your staff and the Audit and Accounts Section.

Wm. Traver Jr.

W. M. Traver, Jr.

enclosures

cc: 4
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 22, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 1463X, Contract I4m-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for November 1952

Diamond drilling from the Dauntless tunnel under Stage II of the subject contract began October 31, 1952, and, except for one week, was continuous through November. A daily log of the drilling operations has been included with Prommel's narrative report. The narrative mentions all work performed at the property during November. Part of the work reported therein is not included under the subject contract or considered necessary or pertinent to the exploration contract. The company reports 343 feet of diamond drilling completed during the period; however, no payment to the drilling subcontractor for any of this distance has been claimed.

The payroll submitted by the company again this period includes both contract and non-contract labor. Portions of the payroll have not been claimed by the company. The amount of the payroll that has been claimed is pertinent to the project only in part.

Work on the main access road and the Hilda tunnel road this period is not considered road maintenance and is unnecessary for exploration purposes. Since the road maintenance equipment was not employed during the period for work pertinent to exploration, the labor for its repair is not approved. (The Government, per special instructions to the company, does not participate in repairs to the D2 transavator.)

The construction of a tractor shelter building is not project work. The labor claimed for assisting Prommel and for sampling the Hilda tunnel is not approved. The funds allotted by the contract for technical services have been expended. Sampling by unqualified personnel was not authorized or is not acceptable by this office.

The subcontract approved for driving the Dauntless tunnel provided for supervision of non-tunnel work by the subcontractor at a rate of $400.00 per month. The $200.00 claimed for Van Cooten for the period October 15 to November 1, 1952, while the company was rehabilitating the Cato and Hilda workings, probably is justified. The subcontract expired with the completion of Dauntless tunnel at the end of October. After such date the subject contract contains no provisions for a superintendent at a monthly rate and the $200.00 claim for one-half month's supervision during November is not approved. The contract does allow for a shifter at a rate of $2.25 per hour.

During November, the diamond driller worked double shift part time and the company, per its drilling subcontract, was required to furnish compressed air during these periods. The subject contract does not provide for a compressor man under its labor schedule. The night shift compressor men shown on the payroll actually are miners and were paid at the authorized miner rate. Such an arrangement is approved. Duke Beals, listed as mechanic-compressor man on the payroll, actually performs the duties of a shifter as well as taking care of the compressor on day shift and performing the needed mechanical work. The shifter rate paid Beals, $2.25 per hour, is approved.

That portion of the submitted payroll which is considered necessary and pertinent to the project and allowable under the contract is as follows:

<u>Week ending November 1, 1952</u>

F. Blamey, compressor man (miner)	10 hours at $1.75	$ 17.50
P. Kirkwood, miner	28 hours at $1.75	49.00
W. Rankin, miner	28 hours at $1.75	49.00
J. Burton, miner	40 hours at $1.75	70.00
D. Beals, mechanic-compressor man (shifter)	48 hours at $2.25	117.00
J. Burton, miner	16 hours at $1.75	28.00
W. Van Cooten, superintendent	1/2 month at $400.00	200.00

<u>Week ending November 8, 1952</u>

E. Knizley, compressor man (miner)	8 hours at $1.75	14.00
P. Kirkwood, miner-compressor man	48 hours at $1.75	91.00
W. Rankin, miner	32 hours at $1.75	56.00
J. Burton, miner	16 hours at $1.75	28.00
D. Beals, mechanic-compressor man (shifter)	48 hours at $2.25	117.00

Week ending November 15, 1952

F. Blamey, compressor man (miner)	9 hours at $1.75	$ 15.75
P. Kirkwood, compressor man (miner)	10 hours at $.175	17.50
D. Beals, mechanic-compressor man (shifter)	40 hours at $2.25	90.00
J. Burton, miner	8 hours at $1.75	14.00

Week ending November 22, 1952

C. Van Hoosen, compressor man (miner)	8 hours at $1.75	14.00
	Total approved	$987.75

The company has claimed $2,033.75 for labor this period. Of this amount, $1,046.00 is not approved.

The gasoline, which is claimed this period but shown as delivered to automobile tank during October, is considered excessive. The only authorized equipment for tank-delivered gasoline is a Dodge Power Wagon. This truck was used to haul supplies to the mine for both the company and the tunnel subcontractor account. It also is used by the subcontractor on his and the company's affairs not applicable to the exploration project. In the absence of any proration by the company between these accounts and any evidence that the gasoline actually was delivered to the Power Wagon, the following items claimed this period are not approved:

Gately Motor Company, Alma	$38.59	
Dials' Service, Fairplay	41.72	
Hockaday Motor Company, Fairplay	1.08	(operator's error in addition, instead of $2.99)
	$81.39	

During October the company purchased in bulk for $622.06, 3,000 gallons diesel fuel, 655 gallons gasoline, and 76 gallons motor oil. The fuel oil is used principally in road maintenance equipment with small amounts for the diesel generator. Bulk gasoline is purchased for the air compressor. The road work performed during the period has not been approved. The tunnel subcontract was the principal user of compressed air during October and, under the terms of the subcontract, fuel for the necessary equipment was included

in the unit price and was to be furnished by the subcontractor. The following items claimed this period, therefore, are not approved:

Gately Motor Company	
6,000 gallons diesel fuel	
600 gallons gasoline	
76 gallons motor oil	$608.97
Continental Oil Company	
55 gallons gasoline	13.09
Total	$622.06

As the work performed with the company's D7 bulldozer and D2 traxcavator was not pertinent to the project, the monthly depreciation claimed on this equipment ($76.00 and $83.33, respectively) is not approved.

A portion of the Alskog's invoice is claimed in the amount of $71.68. The claim includes a stove, draft controls, and certain other irrelevant and unnecessary materials and supplies. It is not approved. Four dozen light bulbs purchased from the Union Supply Company for a total of $15.40 are considered excessive and unnecessary and are not approved.

The items and amounts of the company's November claim which can be approved are summarized below:

Payroll	$ 987.75
Spitzer Electric Company	38.57
Mine and Smelter Supply Company	3.09
Hockaday Motor Company	227.55
Fairplay Motor Company	35.92
Harvey L. Tedrow	311.10
Gardner-Denver Company	40.22
James Palmer	9.95
Union Supply Company	10.20
Fairplay Coal and Ice	22.95
Depreciation of company equipment	419.00
Total amount approved	$2,106.30

Payment of 50 percent of the approved amount, or $1053.15, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc: 6, E250, DMEA Chron.

104A
November, 1952

DMEA 1463X
IDMC 250

Remarks: Depreciation to date has been divided as follows:

Tunnel Maintenance	$ 604.00
Shown in prior reports	
	$ 604.00
Road Maintenance	
Shown in prior reports	$1013.81
November	210.33
	$1224.14
Crosscutting	$4015.71
Stage II Diamond Drilling	368.00

Technical services, office expense and assaying have been divided as follows:

Crosscutting	$1602.00
Stage II - Raising	$ 836.60
Core Drilling	$2250.00
Stage III	$ 765.40

NOTE:

During the week ending November 1, 1952:

Ed Knizley was paid $112.00, all of which is not claimed.
Francis Blamey was paid $83.15of which only $35.00 is claimed.
Clarence Loncher was paid $70.00 and only $28 is claimed herein.
Jack Burton was paid $70.00 and only $42.00 is claimed herein.
W. L. Wells was paid $150.00 and no portion of this is claimed.

Period ending November 8, 1952:

Ed Knizley was paid $77.00 and only $14 of this sum is claimed herein.
Francis Blamey was paid $28 and no part of this sum is claimed herein.
Porter Kirkwood was paid $154.00 of which $93 is claimed
John Burton was paid $70.00 and only $28 is claimed herein.
Clarence Loncher was paid $28 which is not claimed herein
Jack Burton was paid $42 and $28 only is claimed herein.

Period 11/15- Charles VanHoosen was paid $117 of which only $72 is claimed.
Ed Knizley was paid $91 which is not claimed herein.
Francis Blamey was paid $61.25 of which only $15.75 is claimed.
Porter Kirkwood was paid $45.50 of which $17.50 is claimed
John Burton was paid $56 which is not claimed.
Clarence Loncher was paid $52.50 all of which is not claimed.
Jack Burton was paid $56 and only $14 is claimed.
W. E. Wells was paid $150 which is not claimed.

Period 11/22 Ed Knizley was paid $91 of which $56 is claimed.
Wayne Rankin was paid $70.00 of which $42 was claimed.

We, therefore, claim for this period $2,033.75.

Ben Lewright, Jr.

Location: DEALVILLE DEAL CORPORATION

Payroll Summary for week ending November 1, 1952

NAME	Days or Dates S	M	T	W	T	F	S	TOTAL TIME	OVER TIME	RATE PER HOUR
Chas. Vanhoosem (Tractor work on Road)	0	8	8	8	8	8	8	48	8	$2.25
Ed Knizley, (Framing & cutting timber for Cat. house)	8	8	8	8	8	8	8	56		1.75
Francis Blamey(25 hrs. foundation cat. shed; 10 hrs. Comp. man & 10 hrs overhaul comp.)	0	0	8	8	8	8	13	45		1.75
Porter Kirkwood (16 hrs overhaul comp. 28 hrs. muck drill & blast stations for dia.drilling)	0	0	8	8	8	12	8	44		1.75
Wayne Sankin (20 hrs. overhaul comp. 28 hrs drill blast & muck for dia drill sta.)	0	0	8	12	8	12	8	48		1.75
John Burton (40 hrs drill blast & muck diam. drill stations)	0	0	8	8	8	8	8	40		1.75

Payroll Summary for week ending November 1, 1952

Luke A. Beals (Mechanic & Comp. man)	0	8	8	8	8	8	8	48		2.25
Clarence Donoher (16 hrs overhaul comp; 32 hrs work on cat house)	0	0	8	8	8	8	8	40		1.75
Jack Burton (16 hrs digging ice Cato X-cut; 8 hrs helping Prommel; 16 hrs. work on cat. shed)	0	0	8	8	8	8	8	40		1.75
W. . VanCooten(6 days Hilca & Cato; 4 days Haunt.Tunnel; 4 das. Overhaul comp.; 1 da. with Prommel) ½ month 10/15 to 11/1/52										Monthly basis
W. L. Wells (Cook ½ month)										Mo. basis

SALARY OR WAGES	OVER-TIME	TOTAL	Old Age Soc.Sec. Insurance	With-holding Tax	Board and Advances	TOTAL	NET AMOUNT PAID	CHECK NUMBER
$ 90.00	$27.00	$ 117.00	$ 1.76	$15.40	$ 15.00	$ 32.16	$ 84.84	1646
70.00	42.00	112.00	1.69	12.20	19.40	33.29	78.71	1647
70.00	13.15	83.15	1.25	8.90	16.70	26.85	56.30	1648
70.00	10.50	80.50	1.21	13.60	16.70	31.51	48.99	1649
70.00	21.00	91.00	1.37	15.60	16.70	33.67	57.33	1650
70.00		70.00	1.05	3.90	48.00	52.95	17.05	1651
90.00	27.00	117.00	1.76	20.90	15.00	37.66	79.34	1642
70.00		70.00	1.05	11.60	16.70	29.35	40.65	1643
70.00		70.00	1.05	6.50	62.45	70.00	--	--
200.00		200.00	3.00	18.80		21.80	178.20	1644
150.00		150.00	2.25	24.45		26.70	123.30	1645

Payroll Summary for week ending November 8, 1952

Chas. VanHoosen 32 hrs. road; 8 hrs shop repair	0	8	8	4	8	4	8	40		$2.25
Ed Knizley 8 hr. compressor, nite 32 hrs working on cat. house	8	0	0	12	8	8	8	44	4	1.75
Francis Blamey 16 hrs. cat. house	8	0	0	0	0	0	8	16		1.75
Porter Kirkwood 32 hrs. drill & muck for diamond drill stations; 16 hrs note compressor man; 24 hrs. work on cat. house	12	12	12	12	8	8	8	72	32	1.75
Wayne Hankin 32 hrs. muck drill & blast for diamond drill stations	8	8	8	0	0	0	8	32		1.75
John Burton 16 hrs. muck & drill for diamond drill stations; 24 hrs. work on cat. house	8	8	0	0	8	8	8	40		1.75
Luke Beals Mechanic & compressor man	6	8	8	0	8	8	8	48	8	2.25
Clarence Donoher 16 hrs work on cat.house	8	0	0	0	0	0	8	16		1.75
Jack Burton 8 hrs. helping Frommel 8 hrs mucking, 8 hrs work on cat. ~~check~~ shed	8	8	0	0	0	0	8	24		1.75

Payroll Summary for week ending November 15, 1952

Chas. VanHoosen 16 hrs. work on cat shed, 16 hrs. work on road; 16 hrs hardsurface cat. tracks	0	8	8	8	8	8	8	48	8
Ed Knizley 48 hrs work on cat. house		8	8	8	8	8	8	48	8
Francis Blamey 9 hrs compressor nite 24 hrs. work on cat. shed	6	8	13	8	0	0	0	35	

90.00		90.00	1.35	10.50	15.00	26.85	63.15	1660
70.00	7.00	77.00	1.16	7.70	12.00	20.86	56.14	1661
28.00		28.00	.42		6.00	6.42	21.58	1662
70.00	84.00	154.00	2.31	28.40	21.00 3.40)	55.11	98.89	1663
56.00		56.00	.80	8.50	16.70	26.00	30.~~86~~ 00	1664
70.00		70.00	1.05	3.90	12.00	16.95	53.05	1665
90.00	27.00	117.00	1.76	20.90	22.70	45.36	71.64	1670
28.00		28.00	.42	3.10	7.70	11.22	16.78	1667
42.00		42.00	.63	.80	5.00	6.43	35.57	1668
90.00	27.00	117.00	1.76	15.40	15.00	32.16	84.84	1674
70.00	21.00	91.00	1.37	7.90	12.00	21.27	69.73	1675
61.25		61.25	.87	4.50	13.70	19.12	42.18	~~16~~ 307

Porter Kirkwood 10 hrs. comp nite 16 hrs work on cat shed	0	0	0	0	8	10	8	26		1.75
Wayne Rankin 8 hrs- D2 cat. 8 hrs. shop cat work 16 hrs. Cato X-cut	0	0	0	8	8	8	8	32		1.75
John Burton work cat. house	0	0	0	8	8	8	8	32		1.75
Luke Beals mech. 7 comp. man days	0	0	8	8	8	8	8	40		1.75
Clarence Conoher work on cat. house	6	8	8	8	0	0	0	30		1.75
Jack Burton 8 hrs. cato cross cut 16 hrs. cat. house 8 hrs. bldg. stove cat.house	0	0	0	8	8	8	8	32		1.75
W. L. Wells (cook)	1/2 month ~~xxxxx~~									
W. A. VanCooten	1/2 month ~~xxxx~~									

Payroll Summary for week ending November 22, 1952

Chas. VanHoosen 8 hrs. comp. nite L.D. 8 hrs cat. repairs 8 hrs Hilda Road 16 hrs road	0	8	8	0	8	8	8	40		
Ed Knizley 16 hrs. wk. on cat. shed 8 hrs. move crusher 24 hrs. sampling Hilda	0	8	8	8	8	8	8	48	8	1.75
Porter Kirkwood 8 hrs moving crusher 16 hrs sampling Hilda	0	0	0	0	8	8	8	24		
Wayne Rankin 16 hrs. wk. on D.2 8 hrs. road to Hilda 16 hrs shop repairs build stove	0	8	8	0	8	8	8	40		
John Burton 24 hrs sampling Hilda	0	0	0	0	8	8	8	24		
Luke Beals 16 hrs. D-2 cat. 24 hrs welding & repairs to D-7	0	8	8	0	8	8	8	40		

45.50		45.50	.68	6.50	10.70	17.88	27.62	1676
56.00		56.00	.84	8.70	1.70) 12.00)	23.24	32.76	1677
56.00		56.00	.84	1.00	9.70	11.54	44.46	314
90.00		90.00	1.45	15.60	8.00	25.05	64.95	1678
52.50		52.50	.78	7.90	13.70	22.38	30.12	308
56.00		56.00	.84	3.60	9.70	14.14	41.86	309
150.00		150.00	2.25	24.45		26.65	123.35	1679
200.00		200.00	3.00	18.80		21.80	178.20	1680
90.00		90.00	1.35	10.50	15.00	26.85	63.15	1683
70.00	21.00	91.00	1.37	7.90	15.00	24.27	66.73	1684
42.00		42.00	.63	5.90	1.70) 9.00)	17.23	24.77	1685
70.00		70.00	1.05	11.60	10.70	23.35	46.65	1686
42.00		42.00	.63		7.00	7.63	34.37	1687
90.00		90.00	1.35	15.60	9.00	25.95	64.05	1688

Certified transcript of pay roll for November
Ben Lewright, Jr Secretary

TO BE FURNISHED BY THE OPERATOR

ITEM	VLAUE	Depreciation Allowance for Month
1 Dodge Power Wagon	$3060	$ 51.00
1 365 cfm G.D. Compressor	6950	116.00
1 25 KW Diesel-Electric	3975	66.00
6 30 cu. ft. side dump cars	1800	32.50
2 Air locomotives	3620	60.00
20 Edison Electric camp lamps	450	7.50
1 Deming Pump 1 hp	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 of 79 air drills	1600	25.00
1 GE mucking machine	2040	34.00
1 D-7 Caterpillar	4600	76.00
1 D-2 Caterpillar	5000	83.33

I certify that the above equipment was used on the project during the month of November, 1952.

Ben Leovight, Jr.
Secretary.

LEADVILLE [redacted] CORPORATION
DENVER, COLORADO

December 1952

Invoice	Checks	Amount	Contract	Labor	Tech	Pipe	Misc. Sup.	Depres.	Repairs	Bookng	Trans.	Assay
1. Pay Roll (see sheets)				2033 75								
2. Diala	1695	41 72					41 72					
3. Gately	1696	647 56					647 56					
4. Union Supply	1698	147 90					10 20					
5. Union Supply	1656	15 40					15 40					
6. Alskog's	1697	118 57					71 68					
7. Mine & Smelt.	302	3 09					3 09					
	1589	221 31					223 10					
8. Hockaday	303	7 32							5 53			
9. Continental	305	13 09					13 09					
10. F'ley Motor	1694	100 92					18 46				17 46	
11. Seitzer	319	25 00					17 02		21 55			
12. F'Play Coal	318	22 95					22 95					
13. Tedrow	1655	311 10				311 10						
14. Gardner-Den.	1657	40 22							40 22			
15. James Parker	317	9 95					9 95					
16. Depreciation (see sheet)								578 33				
				2033 75		311 10	1094 22	578 33	67 30		17 46	

H. A. G. PROMMEL
Consulting Geologist and Mining Engineer
731 South Downing Street
Denver, Colorado

Report No. 10
Written January 9, 1953.

In re: Docket No. DMA 1463X
Lead-Zinc.

Narrative Report on Operations at the Dauntless Tunnel
Park County Colorado

For the Month of
N O V E M B E R
1 9 5 2

Work at the Dauntless Tunnel during the month of November, 1952 consisted of diamond drilling, maintenance and repair work on road from Leavick to the Dauntless tunnel portal, building of caterpillar shelter house, repairs of equipment, geologic work in the tunnel and sampling in the Dauntless tunnel and in the Hilda workings.

Mr. Prommel, consulting engineer, was at the property November 1 - 5 incl. working out the geology of the end part of the tunnel, sampling quartz and manganese stringers in the tunnel, inspecting the Cato crosscut and starting sampling operations in the Hilda tunnel. He returned to the property November 19 - 26 to lay out additional diamond drill holes and to finish sampling operations in the Hilda tunnel workings. A report, accompanied by assay map, entitled "Hilda Tunnel Sampling, Assay Results and Interpretations" was prepared by him under date of December 8, 1952 and copies were submitted to the U. S. Bureau of Mines (DMA) offices in Denver and at the Federal Center near Denver.

Road repair work was continued during spells of good weather in November, while road maintenance (clearing ice and snow) was necessary part of the month, especially clearance from the camp to the Hilda tunnel workings while sampling operations were carried on. 464 man hours were spent finishing the caterpillar shelter house with exception of placing door and windows and calking other buildings against snow. The

sample crushing and quartering plant was moved from the open on the dump to a permanent location in the caterpillar shelter house. Compressors were kept running for diamond drilling operations. Some drilling, blasting and mucking was done in the tunnel for diamond drill stations.

An average of 5.6 men, apart from diamond drilling crew, were employed 28 eight hour days putting in a total of 1256 man hours. The distribution of man hours for November is as follows:

		m.h.	m.h.	m.h.	%
ROAD BUILDINGS	Maintenance, Plading snow and ice			192	15.3
	Building cat house and repairs Quonset bunk house			464	37.0
COMPRESSORS REPAIRS EQUIPMENT	Air for diamond drilling			224	17.8
	Moving and installing sample crusher		32		
	Repairing D2 Traxcavator		130	152	12.1
DRILLING, BLASTING, MUCKING	Diamond drill stations			112	8.9
GEOLOGY SAMPLING	Dauntless tunnel		4		
	" "	4			
	Hilda Workings	88	92		
	Crushing and quartering samples and building racks for core boxes		16	112	8.9
			m.h.	1256	100.0%
					83.2%

DIAMOND DRILL CONTRACTOR

DIAMOND DRILLING				254	16.8%
				1510 m.h	100.0%

During the month of November three diamond drill holes testing the thickness of the porphyry sill in the tunnel were finished and a fourth hole was started and drilled to 91 feet downward (62degrees) in a direction of South - 50 - West to test ore possibilities of the Hilltop fissure and other quartz stringers below the porphyry sill. Unfortunately, the

Hilltop fissure showing a vertical dip in the tunnel apparently had inclined to the west again and was therefor cut still in the porphyry. The hole was being continued downward at the end of the month.

Cores from the first two holes drilled have been inspected by Mr. Frommel, while inspection of other cores awaits their removal from the Dauntless tunnel to the Bureau of Mines and Geological Survey core storage building at the Federal Center near Denver.

Logs of all drilling operations during November, for each hole drilled, together with hole location, direction and inclination, core recoveries and remarks, as copied from the daily drilling record sheets of the drilling contractor, are attached hereto. The attached record also shows total feet drilled, man hours, core recovery by feet and by percent, and average feet drilled per hour and per 8 hour shift.

Mr. Frommel's time is not included in above time distribution. Recapitulation of above time distribution is as follows:

Road Maintenance	192 man hours	12.7%
Buildings	468 " "	31.0%
Repairs equipment	152 " "	10.1%
Geology and sampling	108 " "	7.1%
Diamond Drilling	590 " "	39.1%
	1510 man hours	100.0%

Maurine Peck was employed by the company as bookkeeper and received compensation therefor, $25 of which is not claimed in form 104.

Leadville Lead Corporation

By:

/s/ Harold H. C. Frommel

Consulting Engineer.

by Ben Lovright, Jr.
Secretary

Denver, Colorado

January 9, 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 October, 1952 Docket No. DMEA 1463X Contract No. 1DM-B 250
Operator's Name LEADVILLE LEAD CORPORATION Minerals Lead Zinc
Address 718 Symes Building, Denver, Colorado
Contract Amount, $100,800.00 Government Participation: 50 % Amount, $50,400.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	3300.00	24865.00	28165.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1926.25	5738.78	7665.03	1,008.71		6,747.49
Supervision		133.33	133.33	725.80		5,049.00
Technical Services	962.50	4323.20	5285.70	~~584.80~~		~~4,908.00~~
(3) Operating Mat'ls. and Supplies:						
Timber	40.00	38.56	78.56			
Explosives	200.00	35.55	235.55			
Pipe		1183.20	1183.20			
Track	414.94	520.48	935.42			
Misc. Supplies	1016.22	1400.90	2417.12	730.16		2,131.06
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	729.51	4904.03	5633.54	729.49		5,633.52
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	169.88	3034.49	3204.37	~~99.70~~ ok ama		~~3,134.19~~ ok ama
Sampling and Analysis	141.00		141.00			
Payroll Taxes						
Liability Insurance						
Bookkeeping	25.00	380.00	405.00			
(8) Contingencies (specify): Transportation	2.44	280.30	282.74			
				7,276.24	47,015.82	54,292.06
TOTALS	8927.74	47015.82	55943.56		+ 2.00	2.00
					47,017.82	54,294.06

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct.21,1952 *Payee LEADVILLE LEAD CORPORATION

Per Ben Sherwood Jr. 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:

$3638.12

Signature [illegible]
(Authorized Certifying Officer)

Date 12/17/52 Vou. No. DMA 53-73
(See other side)

* Totals erroneously carried forward by operator

(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. 8-250 in accordance with the terms of the contract.

Signature R. L. Bolme $3643.14 Title Mining Engineer Date Nov. 25, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. R. King Title Executive Officer Date 1/15/53

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 October 1952 Docket No. DMEA 1463X Contract No. 1DM-E 250
Operator's Name LEADVILLE LEAD CORPORATION Minerals Lead
Address 718 Symes Building, Denver, Colorado Zinc

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	feet	4741.85	100	42093.42	**843	49.93	900	45.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
* ~~Stripping~~ Stage Preparation		3165.06		7879.01				
Trenching								
Test Pits								
* Roads and Trails Mainten.		805.58		4141.12				
Tunnel Mainten.		215.25		1830.01				
TOTAL DISTRIBUTED COSTS		8927.74		55943.56				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Oct. 21, '52 Operator LEADVILLE LEAD CORPORATION

Per Ben Slewright Jr. 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)

** 900 feet have been completed. 57 feet entirely at cost of operator.

* No unit cost shown because contract not broken down to catagories shown above.

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

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

Administrative Audit Difference Statement

Date: December 17, 1952
Payee's Reference: Progress Report - October 1952

Leadville Lead Corporation
716 Symes Bldg.
Denver, Colorado

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

Amount Claimed $8,927.74

Difference $1,651.50

Amount Approved $7,276.24

The reason for the difference was due to:

Not allowed under contract for labor		$ 917.54
Assaying & Technical services not allowed under contract		377.70
Supplies & repairs not allowed under contract		
Union Supply Co.	25.40	
Junction Bit & Tool	247.50	
Ingersoll-Rand Co.	83.34	356.24
Arithmetical error in depreciation		.02
		1,651.50

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

[illegible] New Customhouse
Denver 2, Colorado

December 12, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc) Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of October, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Labor Charges not conformable with contract (See attached schedule of labor deductions)		$ 917.54
Technical Services in excess of contract limit - Chas. O. Parker and Co.	$141.00	
H. W. C. Pressel	236.70	
		377.70
Supply and repair parts not considered allowable under contract:		
Union Supply Co. invoice		25.40
Junction Bit and Tool invoice		247.50
Ingersoll-Rand Co. invoice		83.34
Mathematical error in schedule of depreciation -		0.02
Total of disallowed costs -		$1,651.50

W. H. King
W. H. King

Enc.
HKT:oc
cc: Contract
Secretary to the Oper. Comm. (2)
WMTraver
Chron.
AHKoschmann (2)

DMEA Docket 1463X
Contract Idm-E250

SCHEDULE OF LABOR DEDUCTIONS

Week ending October 6, 1952

Employee	Total time, hours	Total Wages	Disallowed	Difference or Allowed
C. Van Hoosen	48	$117.00	$117.00	$ 0.00
E. Kniseley	24	42.00	42.00	0.00
F. Blaney	32	56.00	56.00	0.00
C. Donoher	Not Claimed	- -	- -	- -
J. O'Malia	15 ft. @ $2.00/ft. 18 hrs.	30.00	0.00	30.00
W. O'Malia	28 ft. @ $2.00/ft. 8 hrs.	70.00	0.00	70.00

Week ending October 11, 1952

C. Van Hoosen	48	$117.00	$72.00	$45.00
E. Kniseley	56	150.00	38.00	112.00
F. Blaney	40	100.00	30.00	70.00
W. O'Malia	24 ft. @ $2.00/ft. 3 hrs.	53.25	5.25	48.00
J. Burton	24 ft. @ $2.00/ft. 3 hrs.	53.25	5.25	48.00
C. Donoher	Not Claimed	- -	- -	- -

Week Ending October 18, 1952

C. Van Hoosen	20	$45.00	$45.00	$ 0.00
E. Kniseley	Not Stated	100.00	100.00	0.00
F. Blaney	Not Stated	90.00	90.00	0.00
C. Donoher	36	63.00	0.00	63.00
P. Kirkwood	40	64.75	0.00	64.75
W. L. Wells	Not Claimed	- -	- -	- -

Week Ending October 25, 1952

C. Van Hoosen	48	$117.00	$99.00	$18.00
E. Kniseley	Not Stated	100.00	100.00	0.00
F. Blaney	32	56.00	28.00	28.00
P. Kirkwood	40	70.00	42.00	28.00
W. Rankin	48	91.04	21.04	70.00
J. Burton	Not Claimed	- -	- -	- -
C. Donohor	32	56.00	0.00	56.00
D. Beals	48	117.00	27.00	90.00
W. O'Malia	40 ft. @ $1.00/ft. 32 hrs.	96.00	0.00	96.00
Jack Burton	90 ft. @ $1.00/ft. 24 hrs.	82.00	0.00	82.00
Totals for Month		$1936.29	$917.54	$1018.75

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 1, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for October 1952

Enclosed please find five copies of the above progress report--forms MF-104 and MF-104A, with proper documentation--and seven copies of R. L. Bolmer's memorandum covering inspection of the underground progress and accounts.

As stated in the inspector's memorandum the progress reported in the operator's narrative is correct. Bolmer makes certain disallowances, which we discussed beforehand, that I approve. They total $1,641.46. The excessive charge for road repairs was mentioned previously and the technical services are limited in amount by the contract.

This contractor's reports have been consistently irregular except for the narrative.

The total claimed, $8,927.74, less $1,641.46 disallowed, leaves a balance of $7,286.28. Of this sum $3,643.14, or 50 percent, is approved for payment subject to further verification of the correctness of applicable rates and arithmetical accuracy of the contractor's entries and calculations.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/eb

cc 4
AHKoschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 28, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Balmer

Subject: DMEA 146IX, Contract Idm-K250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for October 1952

An inspection of the progress under the subject contract was made October 29, 1952. The work performed this period is covered adequately in the engineer's narrative. The underground work performed in the Dauntless tunnel and in the Cato and Hilda workings conforms to the terms of the contract or with instructions of DMEA representatives. Certain other work mentioned in the narrative is not contract work and is not considered pertinent to the project.

Stage I of the exploration program was completed this period; diamond drilling under Stage II currently is in progress.

Exhibit "A", "Estimated Cost of the Project", page 5 of the subject contract, limits the cost of certain overhead expenses— "Engineering, sampling, and office expense, including all expense in the preparation of reports required by this contract is allowable not in excess of the following:

For Stage I	-	Drifting	$1,602.00
For Stage II	-	Raising	836.60
For Stage II	-	Diamond Drilling	2,250.00
For Stage III	-		765.40"

Amendment number 7 permitted engineering work for the planning of Stage II and III to be performed at the most advantageous time.

For some time, this office has been aware that the technical services performed and charged to the project are more elaborate than warranted, considering the objectives of the program. Objections have not been found with the quality of the work performed; however, the scope of the work, the time spent, and the costs thereby incurred are considered greater than necessary. It has been difficult to determine just where to set the limit on this service.

The costs of technical service, analysis, and bookkeeping claimed this period increase the total claimed to date for these services beyond the limit set by the contract.

Item	Totals Previously Reported	Claimed this Period	Totals to Date
Technical service	$ 4,323.20	$ 962.50	$ 5,285.70
Sampling, analysis	-	141.00	141.00
Bookkeeping	380.00	25.00	405.00
Totals	$ 4,703.20	$ 1,128.50	$ 5,831.70

The totals claimed to date exceed the $5,454.00 limit of the contract by $377.70; therefore, the following costs claimed this period are not approved:

Charles O. Parker and Company - assaying	$ 141.00
H. W. C. Prommel - professional services	236.70

Exception also is taken to the following supply or repair parts that are charged to the project this period:

Union Supply Company - three pair, steel toe industrial boots (amount of industrial clothing approved previously considered ample for project)	$ 25.40
Junction Bit and Tool Company - equipment for long-hole drilling (long-hole drilling not approved by DMEA)	247.50
Ingersoll-Rand Company - repair and supply parts for DA35 drill (parts considered unnecessary--drill guaranteed to be in "good as new shape" when amendment permitting its depreciation was requested in July)	83.34
Total supply and repairs not approved	$ 356.24

The payroll submitted by the company this period probably is not acceptable. Beside arithmetical errors, the hourly rate of employees is not shown. A description of the work performed by the listed employees has not been given in many cases. The contract rate paid employees engaged in rehabilitation of the Hilda tunnel is not indicated, nor are the units of this work performed during the period shown. Part of the work itemized is not permitted by the contract or did not have the required prior approval of the DMEA. Portions of the work claimed are considered excessive, too elaborate, or not pertinent to the program.

The contract allows necessary maintenence of the access road. The work performed this period on the road is beyond the intent of the contract. The company is actually rebuilding the road. The work performed is excessive and too elaborate for exploration purposes.

Rehabilitation of the Cato crosscut and the Hilda tunnel is a necessary and allowable cost of the project. A contract rate for rehabilitation work in the Hilda tunnel never has been discussed with the DMEA, and the units of work completed this period and the unit price are not indicated on the payroll. Tractor work on a road to the Cato and Hilda workings is considered necessary. Tractor work preparing the foundation for a caterpillar house is not part of the project. The timbering of the Dauntless crosscut is not considered too pertinent to the project; however, as the crosscut is the only escapeway from the tunnel in case of a fire at the portal, the amount of work performed here is being passed.

Rather than itemize the individual amounts disallowed, the portion of the payroll which can be approved is given below:

<u>Week ending October 6, 1952</u>

C. Van Hoosen	(48 hours work on road not approved)	$ 0.00
E. Knisseley	(24 hours work, no description of work, no contract rate or units shown for Hilda tunnel)	0.00
F. Blaney	(32 hours work, no description of work)	0.00
C. Donoher	(work not claimed by company)	0.00
J. O'Malia	(8 hours on D2 not DMEA, 10 hours not described, 15 feet in Cato crosscut at $2.00 per foot approved)	30.00

W. O'Malia	(8 hours timbering at $1.75 per hour and 28 feet in Cato crosscut at $2.00 per foot approved)	$ 70.00

Week ending October 11, 1952

C. Van Hoosen	(32 hours road work not approved, 16 hours on Cato road and portal at $2.25 per hour, plus overtime, approved)	45.00
E. Kniseley	(56 hours at $1.75 per hour approved, insufficient description of contract work in Hilda tunnel)	112.00
F. Blaney	(40 hours at $1.75 per hour approved, contract work not approved)	70.00
W. O'Malia	(3 hours moving building not DMEA work, 24 feet in Cato crosscut at $2.00 per hour approved)	48.00
J. Burton	(3 hours moving building not DMEA work, 24 feet in Cato crosscut at $2.00 per hour approved)	48.00
C. Donoher	(work not claimed by company)	0.00

Week ending October 18, 1952

C. Van Hoosen	(work on road not approved)	0.00
E. Kniseley	(contract work not described adequately)	0.00
F. Blaney	(contract work not described adequately)	0.00
C. Donoher	(36 hours at $1.75 per hour approved)	63.00
P. Kirkwood	(40 hours at $1.75 per hour or $70.00 approved, only $64.75 claimed)	64.75
W. L. Wells	(work not claimed by company)	0.00

Week ending October 25, 1952

C. Van Hoosen	(8 hours at $2.25 per hour on Cato portal passed, road work not approved)	18.00
E. Kniseley	(contract work not described adequately)	0.00
F. Blaney	(16 hours at $1.75 per hour approved, house foundation not DMEA)	28.00

P. Kirkwood	(16 hours at $1.75 per hour approved)	$ 28.00
W. Rankin	(40 hours at $1.75 per hour approved, D2 work not DMEA)	70.00
J. Burton	(work not claimed by company)	0.00
C. Donoher	(32 hours at $1.75 per hour approved)	56.00
D. Beals	(40 hours, not 48 hours, at $1.75 per hour approved)	90.00
W. O'Malia	(32 hours at $1.75 per hour and 40 feet in Cato crosscut at $1.00 per foot approved)	96.00
Jack Burton	(24 hours at $1.75 per hour and 40 feet in Cato crosscut at $1.00 per foot approved)	82.00
	Total labor costs approved	$1,018.75

The company claims $1,926.25 for labor this period. Only $1,018.75 of the amount is approved; therefore, a total of $907.50 for labor costs is disallowed.

Summary of costs not approved this period:

Depreciation of equipment (error in addition)	$ 0.02
Technical services, sampling	377.70
Supplies, repair parts	356.24
Labor	907.50
Total	$1,641.46

The remainder of the costs claimed total $7,286.28 and are approved. Payment of 50 percent of the approved amount, or $3,643.14, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
AHKoschmann
E250
DMEA Chron.

H. W. C. Frommel
Consulting Geologist and Mining Engineer
Denver, Colorado

Report No. 9
Written November 18, 1952

In re: Docket No. DMA 1463X
Lead-Zinc

Narrative Report on Operations at the Dauntless Tunnel
Park County Colorado

For the Month of

OCTOBER
1952

On October 1st. 1952, the face of the Dauntless Tunnel was 2196 feet from the portal. On October 31st. the face of the tunnel was 2233 feet from the portal, so that the advance during October was 37 ft. when operations were stopped, the second contract of 700 ft. advance having been completed. This completes stage 1 of DMA 1463X, which was followed by preliminary work for stage 2, diamond drilling. Operations were carried on on a one shift basis. Weather conditions were decidedly favorable throughout the month so that much work could be done to prepare the camp and the equipment as well as the workings for continuous work through the winter.

Quartz stringers showing vuggy quartz and considerable amounts of pyrite continued to be crossed in the tunnel up into the face. At 2166 ft. from the portal, a fault zone or fissure averaging about two feet in width showing broken porphyry and two gouge streaks was encountered. This may correspond to the Last Chance-Hilltop fissure. Samples from the various stringers crossed show presence of gold, silver, lead and zinc in minor amounts. A list of samples taken by H.W.C. Frommel and assayed by Charles C. Parker and Co. of Denver has been submitted to the DMA office in Denver and to the Bureau of Mines office at the Federal Center, Denver. A narrative report covering work done at the tunnel as well as at the

Cato crosscut and the Hilda tunnel at elevations ranging from 12,500 ft. to 12,780 ft., during October 1952, is as follows:

Work advancing the face of the tunnel was done from October 1 to 4 and October 7 to 12 incl. for a total of 10 days. Ten rounds were drilled during that time. Other work described below was done during the remainder of the time so that a total of 30 working days were put in during the 31 day month.

Seventy-two man hours were spent in the tunnel, blasting out three stations for diamond drilling, disconnecting air ventilation pipes and making necessary connections in air and water lines for diamond drilling.

The caterpillar tractor was kept going throughout the month, taking advantage of very favorable weather conditions. ork consisted of maintenance between Leavick and the Dauntless tunnel, as well as widening of the road below the tunnel camp and raising the roadbed in places to avoid the formation of deep snowbanks. The county also did considerable work on the road between Fairplay and Leavick, so that the 14 mile stretch from Fairplay to the Dauntless tunnel now is in better condition than it ever was. Other caterpillar work consisted of some leveling for a temporary building at the entrance to the Cato crosscut and short road reopening to the Hilda tunnel so that timber and other supplies would be taken by power wagon direct to the portal of the Hilda tunnel. Time distribution of all work is shown on the table attached to this narrative report. Some leveling, to make room for the building to house the caterpillar tractor as well as the traxcavator and the sample crushing and quartering plant, was also done by the caterpillar at the Dauntless dump.

Timber framing and foundation work for the "cat house" as it will hereinafter be referred to, was done during the first part of the month, and erection of the building was well under way by the end of the month, all framework having been completed, ready for plywood covering.

After finishing work in the tunnel face, the compressor was kept running for cleanup work in the tunnel and drilling of diamond drill stations whenever necessary. The large compressor was shut down and given a complete overhauling prior to commencing of diamond drilling. It is now in perfect shape and it alone is used to furnish air for diamond drilling, as well as for occasional drilling for diamond drill hole stations and mucking operations.

Timbering was done principally in the Hilda tunnel in order to re-open it for inspection and diamond drilling. Some steel sets were placed inside of the old timbers near the portal in order to re-enforce them and new timber sets were placed where the cave-in had occurred. Timbering along the Dauntless escape drift in the Dauntless tunnel was done at odd times during the month.

Work of de-icing in the Cato crosscut was done from October 1, 3 to 4, 7 to 11, and 22 to 26, for a total of 18 days. By the end of the month the work had progressed to a point where the face of the crosscut could be reached through a small hole in the ice so that the crosscut could be measured. It extends westward from the Last Chance-Hilda fissure for a distance of 236 ft. A

raise was found at the face approximately 40 to 50 ft. in height, but the actual height has not yet been measured. About 8 ft. of ice remained to be cleaned out, apart from a small pile of muck underneath the raise. This work should be completed during November. Lack of air and stench from old planks in the crosscut and timbers in the Last Chance workings have slowed up this work. Although almost the entire crosscut was filled with ice to about a foot from its roof, the face of the crosscut and the raise were found dry and free of ice or ice crystals.

During the month most of the headframe from the Vannetter shaft at the Last Chance open cut was torn down and the shaft was bulkheaded to prevent surface waters from entering the old Last Chance workings.

H. F. C. Frommel, consulting engineer for Leadville Lead Corporation, left Denver for Fairplay and the Dauntless Tunnel on October 29th. to lay out locations and directions of three diamond drill holes to be drilled from the Dauntless tunnel through the porphyry sill in order to determine its thickness before exploring the ground above and underneath the sill by diamond drilling. During his trip from which he returned to Denver on the evening of November 3rd. he also mapped the geology in the last 100 feet of the Dauntless tunnel, inspected the workings of the Hilda tunnel where he found some ore in place and took some samples, assay results of which have been furnished to the [illegible] in Denver and the Bureau of Mines at the Federal Center. Mr. Frommel will return to

the property during November to map the geology in the Hilda workings as well as to take additional samples there, determine the attitude of the blue limestone in the Cato crosscut and raise, inspect diamond drill hole cores and lay out additional drill holes, the locations of which he has discussed with Bureau of Mines officials at the Federal Center and with which the Bureau is in agreement.

The above report is based on diary entries and time record sheets kept by W. . Van Cooten at the mine and checked by H. . G. Frommel, and the trip to the property by Mr. Frommel. A table showing distribution of man hours and percentages for the month of October is attached to this report. Apart from Mr. Frommel's time and that of the diamond drill contractor, an average of 7.28 men put in 30 eight hour shifts each for a total of 1748 man hours to accomplish the work described in this narrative report.

The diamond drill was set up at the location of hole No. 7 in the Dauntless tunnel, seven feet back from the face of the tunnel and 2226 ft. from its portal, to drill the down hole through the porphyry. The set-up was completed at 5 PM on October 31st. and drilling was commenced shortly thereafter that evening.

Maurine Peck was employed by the company as bookkeeper and received compensation therefor ~~in excess~~ of $25 which is claimed in form 104.

Leadville Lead Corporation

By

Harald . G. Frommel
Consulting Engineer.

by Ben Flowright, Jr
Secretary

Denver, Colorado
November 16, 1952.

Report No. 9
Leadville Lead Corporation

In re: Docket No. DMA 1463X
Lead Zinc.

Dauntless Tunnel
Park County, Colorado

Man Hours and percentages for October, 1952.

		m.h.	%	m.h.	%
Caterpillar Tractor Work	Road maint., widening and raising road	148	79.7		
	Work at Cato xcut, Hilda tunnel in preparation for diamond drilling	16	8.5		
	Levelling dump at Dauntless tunnel for cat and traxcavator house	24	12.8	188	10.8
		188	100.0		
Dump Buildings	Removing trestles and track (cat.house)			48	2.7
	Foundation & building cat.house			192	11.0
Compressor	Gen'l. work and cleaning tunnel	72	75.		
	Diamond drilling	24	25.		
		96	100.	96	5.5
Repairs Equipment	Overhaul large compressor			156	8.9
Timbering	Hilda Tunnel (re-open.diam. drilig.)	328	91.1		
	Dauntless Escape Drift (safety)	32	8.9		
		360	100.0	360	20.6
Cato Xcut Dauntless Tunnel	Re-icing and opening (diam.drlig.)			192	11.0
	Drilling and blasting	120	29.4		
	Mucking	120	29.4		
	Tramming	72	17.7		
	Compressor	96	23.5		
		408	100.0	408	23.3
Supervision	Diamond drilling	12	33.3		
	Hilda Tunnel	8	22.3		
	Bulkheading Wannetter shaft	8	22.2		
	General	8	22.2		
		36	100.0	36	2.1
Diamond Drilling	Drilling, blasting for stations			72	4.1
				1748	100.0

Time Distribution of man hours and percentages

Diamond Drilling	Cat. work, Cato Xcut, Hilda Tunnel	16		
	Compressor, air for diam. drilg.	24		
	Rep. Equipmt. Overhaul compressor	156		
	Timbering Hilda Tunnel	328		
	Cato Crosscut, re-icing and open.	192		
	Dauntless Tunnel drillg., Stations,	72		
	Supervision, Hilda tunnel & drilg.	20	808	46.2

(Continued)

(Continued)

Dauntless Tunnel	Advancing Tunnel by contract	408	23.4
Caterpillar House	Foundation work and building	264	15.1
Various	Road maint. etc., compressor, Dauntless escape drift, supervision,	268	15.3
		1748	100.0

N O T E: The above does not include any time of diamond drilling contractor. Diamond drill was set up at 5 PM, October 31 and some diamond drilling was done during the evening of that day.

Harald W. G. Frommel.

LEADVILLE LEAD CORPORATION
718 Symes Building
Denver, Colo

Invoice	Check #	Amount	Contract	Labor	Technical	Timber	Truck	Misc. Supp.	Deprec.	Repairs	Bookkeep.	Trans.	Services	Assay
1. Beels & Van Cooten			3300 00										200 00	
2. Pay Roll (see sheets)				1926 25										
3. Prosmel	1602	1057 95			962 50									
4. Union Supply	161	657 39					414 94	102 85						
5. E. & B.	1600	15 57						15 57						
6. EAB Motor	1626	18 00								18 00				
7. McCoy	288	5 45								5 45				
8. Foley Corl	289	10 20						10 20						
9. Dial's	1625	112 42						112 42						
10. Foley Ptr.	1627	8 55						8 55						
11. Cately Ptr.	1628	481 97						481 97						
12. Ingersoll	1629	83 34						13 16		70 18				
13. Junc. Bet.	1630	612 40						247 50						
14. Redman	1617	71 50						24 00						
15. Parker	1601	141 00												141 00
16. Beck	1606	25 00									25 00			
17. So. Park	294									76 25		2 44		
18. Deprec.									729 51					
19. Van Cooten	278	40 00				40 00								
			3300 00	1926 25	962 50	40 00	414 94	1016 22	729 51	169 88	25 00	2 44	200 00	141 00

Location: LEADVILLE LEAD CORPORATION

Payroll Summary for week ending October 6,1952

Name	Days or Dates S	M	T	W	T	F	S	TOTAL TIME	RATE PER HOUR	SALARY OR WAGES	OVER-TIME	TOTAL WAGES	OLD AGE SOC.SEC. INS.	WITH-HOLDING TAX	BOARD AND ADVANCES	TOTAL DEDUC-TIONS	NET AMOUNT PAID	CHECK NUMBER
Chas.Van Hoosen		8	8	8	8	8	8	48	2.25	90.00	27.00	117.00	1.76	15.40	15.00	32.16	84.84	1594
48 hrs. work on road Fuel Oil																		
Ed Kniseley	8	8	8					24	1.75	42.00								
Pmt. contr.Cleaning out Hilda Tunnel										125.00		167.00	2.51	22.70	29.70	54.91	112.09	1595
Francis Blaney				8	8	8	8	32	1.75			56.00	.84	3.60	12.00	16.44	39.56	1596
Clarence Donoher (SS 523-07-6070)					8	8	8	24	1.75		not Claimed →	42.00	.63	5.90	9.00	15.53	26.47	1597
John O'Malia		8	4	2	4			18	1.75	31.50		31.50						
8 hrs work on D2 Tractor																		
15' Cutting Ice Cato xcut @ 2.00 ft.										30.00	12.50 not claimed	61.50	.92	4.90	16.70	22.52	38.98	1598
William O'Malia			4		4			8	1.75	14.00								
8 hrs. timbering Cato xcut 28' @ 2.00 cont.cutting ice										56.00		70.00	1.05	11.60	13.70	26.35	43.65	1599

Payroll Summary week ending October 11,1952

Name	S	M	T	W	T	F	S	TOTAL TIME	RATE PER HOUR	SALARY OR WAGES	OVER-TIME	TOTAL WAGES	OLD AGE SOC.SEC. INS.	WITH-HOLDING TAX	BOARD AND ADVANCES	TOTAL DEDUC-TIONS	NET AMOUNT PAID	CHECK NUMBER
Chas.Van Hoosen		8	8	8	8	8	8	48	2.25	90.00	27.00	117.00	1.76	15.40	15.00	32.16	84.84	1607
32 hrs. wk. on road- Fuel oil; 8 hrs. Cato Portal;8 hrs bldg.road to Hilda Portal																		
Ed Kniseley	8	8	8	8	8	8	8	56	1.75			150.00	2.25	20.70	18.09	40.95	109.05	1608
Cleaning out cave in (Payment on cont.) & retimbering Hilda Tun.																		
Francis Blaney			8	8	8	8	8	40	1.75			100.00	1.50	12.80	19.70	34.00	66.00	1609
Cleaning out cave (pymt. on cont.) & retimbering Hilda Tunnel																		
William O'Malia					3			3	1.75	5.25								
Cutting ice in Cato 24' @ 2.00 3hrs.moving building										48.00		53.25	.80	8.10	16.70	25.60	27.65	1610
Jack Burton					3			3	1.75	5.25								
Cutting ice Cato 24' @2. 3 hrs moving building										48.00		53.25	.80	3.00	16.70 Adv. 25.00	45.50	7.75	1611
Clarence Donoher	3			8	8	8	8	35	1.75		not claimed →	61.25	.92	9.60	16.70	27.22	34.03	1612

Leadville Lead Corporation -2
Payroll Summary

Week ending October 18,1952

Name	Days on Dates S	M	T	W	T	F	S	TOTAL TIME	RATE PER HOUR	SALARY OR PIECE	OVER-TIME	TOTAL WAGES	OLD AGE SOCIAL SECURITY INS.	FED. WITHHOLDING TAX	BOARD AND ADVANCES	TOTAL DEDUCTIONS	NET AMOUNT PAID	CHECK NUMBER
Chas. Van Hoosen Tractor Wk -Fuel oil on road 20 hrs.		8	8			4		20	2.25			45.00	.68	1.40	6.00	8.08	36.92	1624
Ed Kniseley (pymt.on contract Hilde Tunnel) timbering Hilde Tunnel												100.00	1.50	10.20	12.00	23.70	76.30	1619
Francis Blaney (pymt.on contract)timbering Hilde Tunnel												90.00	1.35	10.50	16.70	28.55	61.45	1620
Clarence Donoher Overhaul compressors 24½hrs Timbering Dauntless 12 hrs				8	11	9	8	36				63.00	.87	10.00	16.70	27.57	35.43	1621
Porter Kirkwood 23 hrs timbering in Dauntless xout 17 hrs overhaul Comp.			4	8	11	9	8	40		70.00		64.75	.97	11.60	17.43 Adv.40.00	70.00	--	
F.L. Bells	1/2 month Cook @ 150.										not claimed →	150.00	2.25	24.40		26.65	123.35	1622

Week ending October 25, 1952

Name	Days on Dates S	M	T	W	T	F	S	TOTAL TIME	RATE PER HOUR	SALARY OR PIECE	OVER-TIME	TOTAL WAGES	OLD AGE SOCIAL SECURITY INS.	FED. WITHHOLDING TAX	BOARD AND ADVANCES	TOTAL DEDUCTIONS	NET AMOUNT PAID	CHECK NUMBER
Chas. Van Hoosen 8 hrs Cato mortal work with Cat.		8	8	8	8	8	8	48		90.00	27.00 63 not claimed →	117.00	1.76	15.40	15.00	32.16	84.84	1633
Ed Kniseley (on contract) Cleaning out end timbering Hilde Tunnel												100.00	1.50	10.20	12.00	23.70	76.30	1634
Francis Blaney 16 hrs. Hilde Tunnel 16 hrs Found Cat House				8	8	8	8	32		28.00 not claimed →		56.00	.84	3.60	12.00 1.70	18.14	37.86	1635
Porter Kirkwood 16 hrs. timbering Dauntless 16 hrs Found for Cat.house 8 Hours work on dump		8	8	8	8	8		40		42.00 not claimed →		70.00	1.05	11.60	19.70	32.35	37.65	1636
Wayne Rankin 8 hrs work on D2 40 hrs Cleanup in Tun.	8	8	8	8	8	8		48		70.00 21.04 not claimed →	21.04	91.04	1.37	15.60	19.70	36.67	54.37	1637
John Burton		8	8	8	8	8		40		not claimed →		70.00	1.06	3.90	18.00	35.00 12.04	(70.00)	--
Clarence Donoher (o'haul Comp)			8	8	8	8		32				56.00	.84	8.70	12.70	22.24	33.76	1638
Duke Beale (O'haul Comp)		8	8	8	8	8		48		90.00	27.00	117.00	1.76	20.90	8.00	~~30.66~~	86.34	1639
William O'Malia 32 hrs taking ice ,40. timbering Cato xout				8	8	8	8	32		56.00	40.00	96.00	1.44	14.30	16.70 BF BF	50.00 13.56	Total Ded 96.00	--
Jack Burton 24 hrs. taking ice -40. timbering Cato xout from Cato				8	8	8		24		42.00 40.00		82.00	1.23	8.70	17.07 BF	55.00	Total Ded. 82.00	

Certified transcript of payroll
Ben Llewellyn, Jr.
Secretary

TO BE FURNISHED BY THE OPERATOR

	ITEM	VALUE	Depreciation Allowance for Month
1	Dodge Power Wagon	$3060	$ 51.00
1	215 cfm G.D. Compressor	4975	81.00
1	365 cfm G.D. Compressor	6950	116.00
1	25 KW Diesel-Electric	3975	66.00
12	30 cu.ft. side dump cars	3900	65.00
2	Air locomotives	3620	60.00
1	Canton car transfer	450	7.50
20	Edison Electric camp lamps	450	7.50
1	Deming Pump 1hp	340	6.00
1	Cleveland drill jumbo	1275	21.00
2	of 79 air drills	1600	25.00
1	GD Jackhammer	380	6.00
1	GD mucking machine	2040	34.00
1	No. 2 Roots High Pressure Blower, Motor & Starter	800	13.33
1	DA 35 Drifter	663	10.83
1	D7 Caterpillar	4600	76.00
1-	D-2 Caterpillar	5000	83.33

I certify that the above equipment was used on the project during the month of October 1952

Ben Lewright, Jr
Secretary.

104A
October, 1952

DMLA 1463X
IDME 250

Remarks: Depreciation to date has been divided as follows:

Tunnel Maintenance	
Shown in prior reports	$554.00
October	50.00
	$604.00
Road Maintenance	
Shown in prior reports	$803.48
October	210.33
	$1013.81
Crosscutting - entire balance	

Technical Services and office expense has been divided as follows:

Crosscutting	
Bookkeeping	$330.00
Technical Services	1272.00
	$1602.00
Stage II	
Raising	
Shown in prior reports	$600.00
October	236.60
	$836.60
Core Drilling	
Shown in prior reports	$2123.92
October	126.08
	$2250.00
Stage III	
Shown in prior reports	$345.88
October	419.52
	$765.40

Since bookkeeping and technical services exceed the amount shown in the contract the excess amount not disallowed for other reasons may be deducted from the amounts claimed in the October 104 report.

Ben Wright, Jr.
Secretary

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R0363.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 1463X Contract No. 1-LMB-250
Operator's Name LEADVILLE LEAD CORPORATION Minerals Lead
Address 718 Symes Bldg., Denver, Colo. Zinc
Contract Amount, $ 100,800 Government Participation: 50 % Amount, $ 50,400

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	3300.00	21565.00	24,865.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1380.79	4449.79	5,830.58			
Supervision		525.55	525.55			
Technical Services	2145.88	2525.92	4,671.80	2,098.33		4,624.25
(3) Operating Mat'ls. and Supplies:						
Timber	~~35.56~~	38.56	38.56			
Explosives	35.55		35.55			
Pipe	204.00	979.20	1,183.20			
Track	15.50	504.98	520.48			
Misc. Supplies	590.86	1323.13	1,913.99			
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	646.16	4335.15	4,981.31			
(5) Initial Rehabilitation and Repairs		20.00	20.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	41.55	4015.37	4,056.92			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Bookkeeping	50.00	330.00	380.00			
(8) Contingencies (specify):						
Transportation	93.22	259.68	352.95			352.90
Insurance		141.60	141.60			
				8,455.96	41,191.93	49,647.89
TOTALS	8505.56	41,191.93	49,695.49		*-2,630.07	2,630.07
				8,455.96	38,561.86	47,017.82

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 21, 1952 Payee Leadville Lead Corporation
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:

$ 4227.98

Signature [signature]
(Authorized Certifying Officer)

Date 11/13/52 Vou. No. DMA 53-60

(See other side)

* Previous deductions

(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. 5-250 in accordance with the terms of the contract.

Signature: R. L. Bolmer $4227.98 Title Min. Eng. Date 10/30/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature J. H. T. Shaw for W. H. King Title Executive Officer Date 11-7-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (6).

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
DENVER
NOV 21 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept. 1952 Docket No. DMEA1463X Contract No. 1-DME- 250
Operator's Name LEADVILLE LEAD CORPORATION Minerals lead
Address 718 Symes Bldg., Denver, Colo. zinc

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	feet	4245.06	100	39974.65	713	53.80	900	45.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
*Stage II preparations		2849.03		4713.95				
Stripping								
Trenching								
Test Pits								
* Roads and Trails maintenance		1036.96		3392.13				
*tunnel maintenance		372.51		1614.76				
TOTAL DISTRIBUTED COSTS		8503.56		49695.49				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Oct. 21/52 Operator Leadville Lead Corp.

Per Ben Florright 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: $300 of technical services charged to Stage II raising, $1500 to Stage II diamond drilling and 345.88 to Stage III. $50 depreciation charged to tunnel maintenance and $177 to road maintenance this month making a total of $554. charged to tunnel maintenance and $803.48 to road maintenance for depreciation.

(Instructions on reverse)

(For Government use only)

*No unit cost shown because contract not broken down of categories shown above.

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

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

Administrative Audit Difference Statement

Date: November 13, 1952
Payee's
Reference: Progress
Report - September 1952

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount Claimed $8,505.56

Difference $ 49.60

Amount Approved $8,455.96

The reason for the difference was due to:

Error in total on Form MF-104 - charges in excess of daily rate charged by H. W. C. Prommel not allowable under terms of contract. $49.60

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

November 7, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250 (Lead-Zinc)
Leadville Lead Corporation, Park County, Colorado,
Operator's Monthly Progress Report for the period
September 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions:

Incorrect total on Form MF-104	$2.05
Certain charges billed by H.W.C. Prommel, Consultant, not applicable to project	47.55
	$49.60

The item of $6.00 for the oil drum deposit is noted but no exception is taken at this time, for the on-site audit will take this charge into consideration.

WLD:jp
Enclosures

for John F. Shaw
W. H. King

cc Secy to Oper Committee (2)
WMTraver
Contract
Chron
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES ADMINISTRATION
WASHINGTON 25, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 3, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for September 1952

Enclosed please find five copies of the above progress report--forms MF-104 and MF-104A, with proper documentation--and seven copies of R. L. Bolmer's memorandum covering inspection of the underground progress and accounts.

Totals this period are in error by $2.05 on the form MF-104, but are correct on the form MF-104A. Inasmuch as the first-mentioned form is the one certified, the amount stated is disallowed in addition to $47.55 incorrectly charged by the consultant, H. W. C. Prommel, in his expense voucher. Thus, total disallowance is $47.55 plus $2.05, or $49.60.

Payment is approved of $4,227.98, which is 50 percent of $8,455.96, the remainder determined by deducting $49.60 from $8,505.56 claimed by the contractor on form MF-104. Approval is subject to Region IV audit.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/eb

cc 4
AHKoschmann
E250
DMEA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

November 3, 1952
Building 20, Room 137
Denver Federal Center
Denver 14, Colorado

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress Report for September 1952

Progress under the subject contract was inspected October 29, 1952. The Dauntless tunnel as well as the Cato crosscut and the Hilda tunnel workings were examined. The work performed during September has been described adequately in the consulting engineer's narrative report. The work performed this period is in conformance with the contract and is as reported on form MF-104A.

Actually, 102 feet of drifting was completed in the Dauntless tunnel during September for a total advance under the subject contract of 303 feet. The operator has been reporting the advance here as it is paid to the independent contractor, or in 100-foot sections. The amount charged to Stage II preparation this month includes technical services as well as labor and materials necessary to open the Cato crosscut and the Hilda tunnel for diamond drilling. The cost of tunnel maintenance this month includes depreciation of equipment as well as labor and materials for timbering in the tunnel and in the Dauntless crosscut.

The costs charged to road maintenance this period include depreciation of equipment, labor, and supplies. The engineer reports 216 man hours, or 12.5 percent of the total project labor this period, was spent on road maintenance. Actually, the work being performed on the road is more than the maintenance provided in the contract. In effect, the road is being rebuilt. A charge similar to this month's is anticipated for October. The road is in sufficiently good condition for the exploration program set up under the subject contract. The costs this month for road maintenance are being passed; however, future charges under this category will not be approved unless the work is confined to actual snow removal.

On the date of inspection Stage I, the advance of the Dauntless tunnel, had been completed. The face of the tunnel on that date was in porphyry, 2,233 feet inby the portal. Diamond drilling under Stage II should commence immediately. The operator has decided against surface drilling or drilling from the Cato or Hilda workings this winter. Instead, approximately 1,000 feet of drilling will be performed from the Dauntless tunnel. The cleaning of ice from the Cato workings is nearly completed. This portal will be boarded up and should remain free of ice and be ready for drilling operations in the spring. All the workings from the Hilda tunnel were inspected. It is assumed that the company engineer will prepare a geologic report on them in the near future.

Except as herein noted, the supply and service charges claimed this period are considered necessary and do not appear excessive. Documentation of the charges appears in order.

Of the statement submitted by M. W. C. Prommel for professional services during September, $47.55 is not approved. This amount involves travel expenses which are not considered pertinent to the project nor in conformance with the contract. An arithmetical error of $2.05 is noted in the totals on form MF-104.

The remainder of the costs claimed this period correctly total $8,455.96 and are approved. Payment of 50 percent of the approved amount, or $4,227.98, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
AHKoschmann
E250
a DMEA Chem.

LEADVILLE LEAD CORPORATION
DENVER, COLORADO
SEPT. 1952

Invoice	Check No.	Amount	Contract	Labor	Technical	Pipe	Track	Misc. Supp.	Deprec.	Repairs	Bookkpg	Trans	Exploe.
1. Beale & Van Cooten			3300 00										
2. Pay Roll (see Sheets)				1380 79									
3. Hopkins	1544	251 43*			350 00								
4. "	1576	177 96*			198 33								
5. Prommel	1587	1597 55			1597 55								
6. Union Supply	1548	513 82				204 00	15 50	246 15					35 55
7. See Sheet									646 16				
8. Weaver Elect.	257	4 50								4 50			
9. Hockaday Mtr.	267	22 10								22 10			
10. Alskog's	1541	43 43						43 43					
11. Fairplay Ice	1543	47 16						13 50					
12. Diale Service	1544	102 54						97 90					
13. Gately Motor	1542	220 30						189 88					
14. South Park Motor	1547	65 51										65 51	
15. Fairplay Motor	1584	241 20										24 72	
16. South Park Motor	263	71 71								14 95		3 04	
17. Beck	1573	52 00									50 00		
			3300 00	1380 79	2145 88	204 00	15 50	590 86	646 16	41 55	50 00	93 27	35 55

* Social Security & Withholding tax paid in other checks

Location: [illegible] LAND CORPORATION

Payroll Summary for week ending September 6, 1952

Name	Days or Dates S	M	T	W	T	F	S	Total Time	Over Time	Rate per Hour
Luke Phillips (Camp & road)	0	8	8	8	8	8	8	48	8	2.00
Robert Bradburn (Extending track to supply space for extra mine cars	0	8	8	0	8	8	8	25		1.75
Francis Slurey (Moving Crusher)	0	8	0	8	8	8	0	8		1.75
Wm O'Malia (Timbering Gauntless Cross-cut, cutting ice Gato to Cross-cut)	0	8	(Contract 15 ft. per ft.)				4.	8		1.75
Chas. Vanhoosen (Repair tractor 16 hrs. Tractor work on road 24 hrs.)	0	0	8	8	8	8	8	40		2.25

Payroll Summary for week ending September 13, 1952

Name	S	M	T	W	T	F	S	Total Time	Over Time	Rate per Hour
Lo. Knisley (Co. man as per contract 24 hrs. Camp, 24 hrs. road	0	8	8	8	8	8	8	48	8	1.75
Robt. Bradburn (Cutting Ice Gato Cross-cut)	0	0	0	0	0	8	8	16		1.75
Wm. O'Malia (Cutting Ice Gato Cross-cut)	0	0	0	0	0	8	8	16		1.75
Chas. Vanhoosen (Mechanic - 3 excavations Bulldozer work, wicening road	0	8	8	8	8	8	8	48	8	2.25

Payroll Summary for week ending September 20, 1952

Name	S	M	T	W	T	F	S	Total Time	Over Time	Rate per Hour
Chas. Vanhoosen (Mechanic - 40 hrs work on road, 8 hrs Gato Cross-cut)	0	8	8	8	8	8	8	48	8	2.25
Lo Knizley (Co.man camp 24 hrs.)	0	8	8	8	8	8	8	48	8	1.75
L. 2 Cat. 24 hrs. - NOT CHANGED AS THEY except 42. for camp work										
Porter Kirkwood (Timber Gauntless 16 hrs.)	0	0	4	6	2	4	0	16		1.75
Wayne Kenkin (8 hrs. driving tractor 8 hrs. timbering Gauntless)	0	0	4	4	0	0	0	16		1.75
Wm O'Malia (24 hrs. timbering Gato Cross-cut)	0	0	0	8	8	0	8	24		1.75
Contract cutting ice Gato Cross-cut. . . . . 2 weeks 60 feet										2.00
5 feet										4.00

SALARY OR WAGES	OVER-TIME	TOTAL	Old Age Soc.Sec. Insurance	With-holding Tax	Board and Advances	TOTAL	NET AMOUNT PAID	CHECK NUMBER
$80.00	24.00	$104.00	$1.56	$5.10		$ 6.66	$ 97.34	261
$43.75		43.75	.66		$17.70	18.36	25.39	1549
14.00		14.00	.21			.21	13.79	1550
14.00) 60.00	contract	74.00	1.11	12.40	38.00	51.51	22.49	1551
90.00		90.00	1.35	5.40	2.00	8.75	81.25	1552
70.00	21.04	91.04	1.37	7.80	12.00	21.17	69.87	1559
28.00		28.00	.42			.42	27.58	1560
28.00		28.00	.42	3.00		3.42	24.58	1561
90.00	27.00	117.00	1.76	15.40	15.00	32.16	84.84	1562
90.00	27.00	117.00	1.76	15.40	15.00	32.16	84.84	1567
70.00	21.04	91.04	1.37	7.80	18.00	27.17	63.87	1575
28.00		28.00	.41	3.10		3.51	24.49	1569
28.00		28.00	.41	3.10		3.51	24.49	1570
42.00 120.00 20.00		182.00	2.44	28.00	51.40	81.84	100.16	1574

Location: LEAVILLE [illegible] CORPORATION

Payroll Summary for week ending September 27, 1952

Chas. Vanhoosen(45 hrs. work on road)	0	8	8	8	0	8	8	40	8	2.25
Ed Knisley (Co. man 24 hrs. camp	8	8	8	8	8	8	8	56	16	1.75
8 hrs cleanup, 8 hrs. grading rd.										
16 hrs [illegible] 2 repairs (NOT CHARGED TO [illegible] so 70 only charged herein)										
Wm O'Malia (4 hrs. carpenter work,										
16 hrs timbering Co to Cross-cut	0	0	4	8	0	8	0	20		1.75
Robt. Bradburn	0	0	0	8	0	8	0	16		1.75
CONTRACT cutting ice . . . . . 72 ft.s per foot										2.00

$90.00	$27.00	$117.00	$1.76	$15.40	$15.00	$32.16	$84.84	1579
70.00	42.08	112.08	1.68	12.20	21.00	34.88	77.20	1580
35.00		35.00	.53	4.30	13.70	18.53	16.47	1581
28.00)								
144.00)		172.00	2.58	18.20	51.22 bd.			
					25.00 adv.			252
					75.00 adv.	172.00	--	270

Certified transcript of portions of payroll covering labor performed under D. M. E. A. Contract

Ben L. Wright, Jr.
Secretary

ORNISHED BY THE OPERATOR

	VALUE	DEPRECIATION Allowance per Month
Dodge Power Wagon	$3060	$ 51.00
215 cfm G.D.Compressor	4975	81.00
1 365 cfm. G.D. Compressor	6950	116.00
1 25 KW Diesel-Electric	3975	66.00
12 30 cu. ft. side dump cars	3900	65.00
2 Air locomotives	3620	60.00
1 Canton car transfer	450	7.50
20 Edison electric camp lamps	450	7.50
1 Deming Pump 1 hp.	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 of 79 air drills	1600	25.00
1 GD Jackhammer	380	6.00
1 GD mucking machine	2040	34.00
1 No. 2 Roots High Pressure Blower, Motor & Starter	800	13.33
1 DA 35 drifter	663	10.83
1 D7 Catepillar	4600	76.00

I certify that the above equipment was used on the project during the month of ~~August~~ September, 1952.

Ben L. Wright, Jr.
Secretary

H. W. C. Prommel
Consulting Geologist and Mining Engineer
Denver, Colorado

Report No. 8
Written October 13, 1952

In re: Docket No. DMA 1463X
Lead-Zinc

Narrative Report on Operations at the Dauntless Tunnel
Park County, Colorado

For the Month of
SEPTEMBER
1952

On September 1st 1952, the face of the Dauntless Tunnel was 2094 feet from the portal. On September 30th 1952, the face of the tunnel was 2196 feet from the portal, so that the advance during September was 102 feet. Operations were carried on on a one shift basis throughout the month. Weather conditions were favorable almost throughout the entire month. Progress was slow due to lack of sufficient air, the amount at the face descreasing due to friction losses as the tunnel is being advanced. Tramming and mucking required longer time due to need of replacements for tramair locomotives. Two days were lost in the tunnel due to necessary overhauling of the mucking machine. The ground continued hard during the first part of the month, but softened up somewhat during the latter part of the month and became blocky, due to quartz stringers crossing the tunnel. As of October 1st., about 40 ft. remain to be driven to finish the 700 ft. contract. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during September 1952, is as follows:

Work advancing the face of the tunnel was done from Sept. 2 to 6 incl., 9 to 13 incl., 15 to 26 incl, and Sept. 30, for a

total of 23 days. Drilling, blasting and mucking consumed 21 days while two days were spent on installation of track, airline, shooting wire and car pass. There was less absenteeism during the month than during August. Other work described below was carried on the remainder of the time so that a total of 28 working days were put in during the 30 day month.

8 man hours were spent digging three trenches across the porphyry dike above the Badger Boy open cut in connection with geological work in order to determine the position of the Doran-Badger Boy fault at the surface. It was definitely determined thereby that this fault cuts across the porphyry dike from the hanging wall to the footwall just north of the course of the Dauntless tunnel. 216 man hours were spent on road work, widening the road at and below the Dauntless Tunnel in order to avoid a large snowdrift accumulating across the road every winter. Considerable grading was also done farther downhill at a low place in the road to keep it out of the snow. This work was made possible by completion of extensive repair work on the D-7 caterpillar bulldozer. The south end of the Last Chance open cut was also lowered somewhat in order to divert melting snow water away from the Cato crosscut through which it found its way into the old workings after it had iced up the Cato crosscut. Diversion of this continuous strong flow of water during the spring, summer and fall months should keep the Cato crosscut open from now on. However, some drilling and blasting remains to be done at the south end of the open cut to lower it somewhat more so that the water can escape freely. This will also mean a longer flow of surface water at camp.

24 man hours were spent on the dump raising the track on the trestle and an additional 24 man hours were required to extend the southerly track on the dump to make room for spare mine cars and keep them in good condition.

Repairs and upkeep on buildings required 32 man hours. New building paper was placed around the tunnel portal and tunnel Quonset hut doors were repaired in anticipation of winter weather.

Moving the sample crusher from the upper floor of the Quonset hut onto the dump required 8 man hours. Rehabilitation and repair work on the D-2 traxcavator required 48 man hours while general overhauling of the mucking machine took 32 man hours.

In order to rehabilitate workings for diamond drilling, considerable timbering was done during the month. 66 man hours were spent to remove low sets in the Gato crosscut which had slowed up de-icing of the crosscut and which would have hindered placing a diamond drill in the crosscut. De-icing of the Gato crosscut was continued throughout the month. An additional 140 ft. of crosscut (approx.) were cleaned out, leaving about 20 feet to be de-iced in order to reach the face of the crosscut from which diamond drilling is to be done.

Rehabilitation of the Hilda tunnel was also commenced during the month by extending the road to the Hilda tunnel portal and moving rails and mine car to it for partial retimbering of the tunnel, removal of caved ground and reopening of the tunnel for geological work and diamond drilling from the Hilda crosscut. 32 man hours were spent on this preliminary work.

22 man hours were spent on retimbering the Dauntless drift leading to the Dauntless raises and sublevel, forming the escape way from the Dauntless tunnel. Some additional work is required in the raises and along the sublevel in order to make them more easily and safely accessible for escape from the Dauntless tunnel in case of fire in the tunnel Quonset hut. Two safety doors, one near the entrance of the Dauntless tunnel and the other in the Dauntless drift near its junction with the tunnel, are now in place.

Mapping and geological studies in the tunnel and at the surface in the vicinity of the tunnel by Messrs. Prommel and Hopkins were completed on the property on September 16th. A report "Geological Report on the Dauntless Tunnel and Outline for Diamond Drilling, Leadville Lead Corporation Mines, Hilda-Last Chance-Hilltop Group, Park County, Colorado" was thereafter prepared by Mr. Prommel and 6 copies of the same together with four maps each, were delivered to the DMEA office, U. S. Bureau of Mines, New Customs House Building, Denver, Colorado, on the morning of October 1, 1952. Messrs. Traver and Bolmer, of the Federal Center Office of the U. S. Bureau of Mines visited the property on September 10th. and went over the surface and into the tunnel, inspecting the work done by Messrs. Prommel and Hopkins and discussing the diamond drilling program with them.

Apart from the geological work done by Messrs. Prommel and Hopkins, an average of 7.74 men put in 28 eight hour shifts each for a total of 1732 man hours during September. 21 rounds of holes pulling an average of 4.85 feet each were drilled in the tunnel. A total of 631 holes were drilled, requiring 1870 lbs. of dynamite

for blasting. 387 thirty cu. ft. cars of muck were hauled from the tunnel. The face of the tunnel remained in porphyry throughout the month, but quartz stringer cut by the tunnel increased in number and in thickness. A larger, gouge filled fissure which may correspond to the Last Chance-Hilltop fissure, was cut. The geology in the last 100 feet of the tunnel remains to be studied and mapped, which will be done by Mr. Prommel as soon as the contract work in the tunnel has been completed in October.

Average figures per round of holes drilled in the tunnel are as follows:

Depth of holes, aver	5 ft.	Powder used	89 lbs.
Advance	4.85 ft.	Primers "	29
Man hours drilling	12.00 M.H.	30 cu.ft. cars of muck	18.4 cars
" " mucking	12.00 "	Number of trips	6.2 trips
" " tramming	8.76 "	No.cars per trip	2.98 cars
" " compressor	9.14 "		
	41.90 m.h.		

Time distribution on a man hour and percentage basis for September is as follows:

			m.h.	%
Road work, widening and grading			216	12.5%
Trenching, prospecting			8	0.5%
Dump, Raising track, extending track			48	2.8%
Buildings. Repair and Upkeep			32	1.8%
Equipment Repairs and Upkeep.				
Moving sample crusher	8			
Repair, traxcavator	43			
" mucking machine	32		88	5.1%
Timbering				
Cato Xcut for diamond drilling	66			
Dauntless Drift (Escape drift)	22			
Hilda Tunnel for diamond drilling	32		120	6.9%
De-icing Cato Xcut for diamond drilling			224	12.9%
Dauntless Tunnel				
Drilling and blasting	300	32.3%		
Mucking	252	27.2%		
Tramming	184	19.8%		
Compressor	192	20.7%		
	928	100.0%	928	53.6%
Supervision W. E. Van Cooten			68	3.9%
			1732 m.h.	100.0 %

The above report is based on diary entries and time record sheets kept by W. E. Van Cooten at the mine and checked by H. W. C. Prommel.

Maurine Beck was employed by the company as bookkeeper and received compensation therefor in excess of $50 which is claimed in form 104.

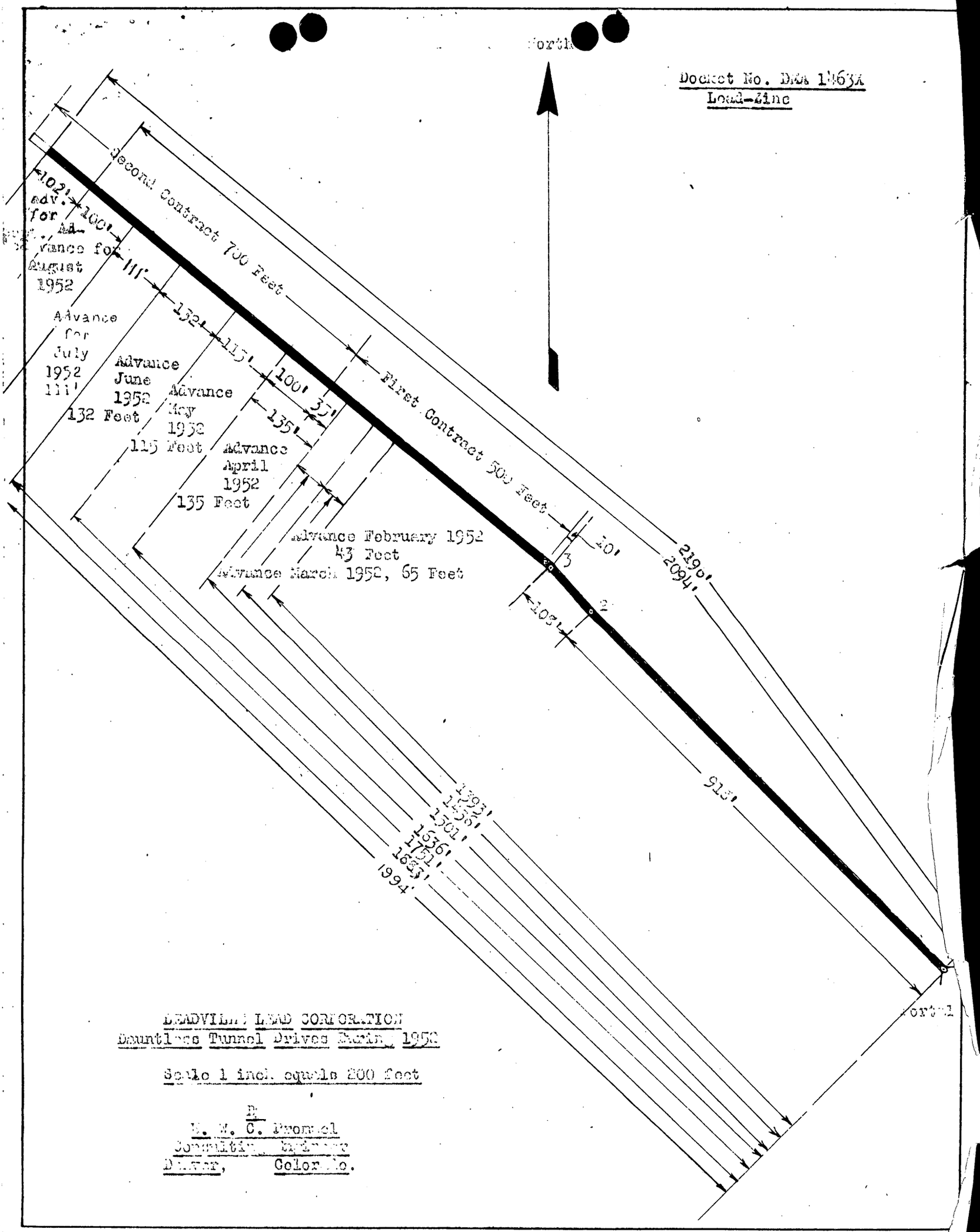
LEADVILLE LEAD CORPORATION

Harald W. C. Prommel

By: Harald W. C. Prommel
Consulting Engineer.

Denver, Colorado
October 13, 1952

Guy Ben Lloyd, Jr.



LEADVILLE LEAD CORPORATION
Dauntless Tunnel Drives Early 1952

Scale 1 inch equals 200 feet

By
W. W. C. Pommel
Consulting Engineer
Denver, Colorado.

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

224 New Customhouse
Denver 2, Colorado

November 7, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250 (Lead-Zinc) Leadville Lead Corporation, Park County, Colorado, Operator's Monthly Progress Report for the period September 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions:

Incorrect total on Form MF-104	$2.05
Certain charges billed by H.W.C. Prommel, Consultant, not applicable to project	47.55
	$49.60

The item of $6.00 for the oil drum deposit is noted but no exception is taken at this time, for the on-site audit will take this charge into consideration.

WLD:jp

Enclosures

for W. H. King

cc Secy to Oper Committee (2)
WMTraver
Contract
Chron
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 3, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for September 1952

Enclosed please find five copies of the above progress report--forms MF-104 and MF-104A, with proper documentation--and seven copies of R. L. Bolmar's memorandum covering inspection of the underground progress and accounts.

Totals this period are in error by $2.05 on the form MF-104, but are correct on the form MF-104A. Inasmuch as the first-mentioned form is the one certified, the amount stated is disallowed in addition to $47.55 incorrectly charged by the consultant, H. W. C. Prommel, in his expense voucher. Thus, total disallowance is $47.55 plus $2.05, or $49.60.

Payment is approved of $4,227.98, which is 50 percent of $8,455.96, the remainder determined by deducting $49.60 from $8,505.56 claimed by the contractor on form MF-104. Approval is subject to Region IV audit.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/eb

cc 4
AHKoschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

November 3, 1952
Building 20, Room 137
Denver Federal Center
Denver 14, Colorado

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Solmer

Subject: D-44 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress Report for September 1952

Progress under the subject contract was inspected October 29, 1952. The Dauntless tunnel as well as the Cato crosscut and the Hilda tunnel workings were examined. The work performed during September has been described adequately in the consulting engineer's narrative report. The work performed this period is in conformance with the contract and is as reported on form F-107.

Actually, 102 feet of drifting was completed in the Dauntless tunnel during September for a total advance under the subject contract of 303 feet. The operator has been reporting the advance here as it is paid to the independent contractor, or in 100-foot sections. The amount charged to Stage II preparation this month includes technical services as well as labor and materials necessary to open the Cato crosscut and the Hilda tunnel for diamond drilling. The cost of tunnel maintenance this month includes depreciation of equipment as well as labor and materials for timbering in the tunnel and in the Dauntless crosscut.

The costs charged to road maintenance this period include depreciation of equipment, labor, and supplies. The engineer reports 216 man hours, or 12.5 percent of the total project labor this period, was spent on road maintenance. Actually, the work being performed on the road is more than the maintenance provided in the contract. In effect, the road is being rebuilt. Charges similar to this month's is anticipated for October. The road is in sufficiently good condition for the exploration program set up under the subject contract. The costs this month for road maintenance are being passed; however, future charges under this category will not be approved unless the work is confined to actual snow removal.

On the date of inspection Stage I, the advance of the Dauntless tunnel, had been completed. The face of the tunnel on that date was in porphyry, 2,233 feet inby the portal. Diamond drilling under Stage II should commence immediately. The operator has decided against surface drilling or drilling from the Cato or Hilda workings this winter. Instead, approximately 1,000 feet of drilling will be performed from the Dauntless tunnel. The cleaning of ice from the Cato workings is nearly completed. This portal will be boarded up and should remain free of ice and be ready for drilling operations in the spring. All the workings from the Hilda tunnel were inspected. It is assumed that the company engineer will prepare a geologic report on them in the near future.

Except as herein noted, the supply and service charges claimed this period are considered necessary and do not appear excessive. Documentation of the charges appears in order.

Of the statement submitted by H. W. O. Promnel for professional services during September, $47.55 is not approved. This amount involves travel expenses which are not considered pertinent to the project nor in conformance with the contract. An arithmetical error of $2.05 is noted in the totals on form MF-104.

The remainder of the costs claimed this period correctly total $8,455.96 and are approved. Payment of 50 percent of the approved amount, or $4,227.98, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
AHKoschmann
E250
c DMEA Chron.

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

Budget Bureau No. 42-R1036.3.
Approval expires

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 9 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 195[illegible] Docket No. DMEA 1463X Contract No. 1-DMS-250
Operator's Name Leadville Lead Corporation Minerals Lead
Address 718 Symes Building, Denver, Colorado Zinc
Contract Amount, $100,800 Government Participation: 50 % Amount, $ 50,400

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	3300.00	18265.00	21565.00			
Drifting						
(2) Labor and Supervision:						
Labor	1564.03	2884.86	4448.79			
Supervision		525.55	525.55			
Technical Services	1077.42	1448.50	2525.92	778.42	1,448.50	2,226.92
(3) Operating Mat'ls. and Supplies:						
Timber	38.56		38.56			
Explosives						
Pipe		979.20	979.20			
Track	42.15	462.83	504.98			
Misc. Supplies	169.93	1153.20	1323.13	67.88	1,153.20	1,221.08
(4) Operating Equipment:						
Rental		178.00	178.00			
Purchase						
Depreciation	570.38	3764.77	4335.15	570.16	3,764.77	4,334.93
(5) Initial Rehabilitation and Repairs		20.00	20.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	863.66	3151.71	4015.37	569.73	3,151.71	3,721.44
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Bookkeeping	30.00	300.00	330.00			
(8) Contingencies (specify):						
Transportation	48.50	211.18	259.68	31.47	211.18	242.65
Insurance		141.60	141.60			
				6993.30	33,486.40	40,479.70
					*-1,917.84	1,917.84
TOTALS	7705.53	33486.40	41191.93	6993.30	31,568.56	38,561.86

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

Date Sept. 17, '52 *Payee Leadville Lead Corporation

Per Ben Lloyd Jr. 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.

ax

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense 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:

$ 3496.65

Signature [illegible]
(Authorized Certifying Officer)

Date 10/20/52 Vou. No. DMA 53-51

(See other side)

* Previously Disallowed.

(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-250 in accordance with the terms of the contract.

Signature R. Balmer, $2,557.27 Title Mining Engineer Date Sept. 23, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature for W. H. King Title Executive Officer Date 10-14-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1952

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

Month of August 1952 Docket No. DMEA 1463X Contract No. 1-[redacted]-250
Operator's Name Leadville Lead Corporation Minerals Lead
Address 716 Symes Building, Denver, Colorado Zinc

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	feet	5168.61	100	35729.59	643	55.57	900	45.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
* Stripping Stage 2, Preparation		1668.92		1864.92				
Trenching								
Test Pits								
* Roads and Trails Maint.		539.00		2355.17				
* Tunnel Maint.		329.00		1242.25				
Total Distributed Costs		7705.53		41101.03				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		7705.53		41101.03				

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 18, 52 Operator Leadvill Lead Corporation

Per Ben Zwright Jr Title Secretary

Remarks: $623.92 of technical services shown in 104 charged to Stage II core-drilling and $300. to Stage II raising. $50. in depreciation is charged to road maintenance and $50. to tunnel maintenance.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense 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)

* No unit cost shown because contract is not broken down to units for the catagories shown above.

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

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

Administrative Audit Difference Statement

Date: October 20, 1952
Payee's
Reference: Progress
Report - August 1952

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount Claimed $7,705.53

Difference $ 712.23

Amount Approved $6,993.30

The reason for the difference was due to:

Item 2 -	Technical Services disallowed (McNair) Consultant paid in stock but no value of stock is shown	139.00
	RMK Prummel services irrelevant to the project	160.00
Item 3 -	Purchases not allowed by contract (Alskog)	83.46
	Purchase of tire equipment not allowed by contract (Firestone)	18.59
Item 4 -	Overcharge in depreciation (1 DA-35 Drifter)	.22
Item 7 -	Lack of proper documentation (South Park Motor)	293.93
Item 8 -	Transportation (So. Park Motor Lines) Part of which lacks proper documentation	17.03
		712.23

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

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-E & F Form No. 4
4-15-52 D

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 10, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc), Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period August, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and mathematical accuracy of computations, except for the following deductions:

Services of McNair, consultant engineer on July 6, 7, 8 & 30, as explained in the engineer's report in the amount of $139.00. The engineer credits the disallowance with the amount of $121.25, the amount paid McNair in company stock. Inasmuch as the operator does not claim the value of the stock in his report, we feel that the full amount of $139.00 should be disallowed from that claimed. A DMEA auditor was questioned on this matter and concurred.....$139.00

Services of Prommel as explained in Engineer's report..... 160.00

The total of $83.46 shown on invoice of R. P. Alskog is disallowed inasmuch as this amount represents purchases of materials for surface installations and no allowance for such is provided for in the contract..... 83.46

Invoice from Firestone in the amount of $18.59 for a tire-equipment not set up in contract..... 18.59

The two invoices in the amounts of $24.70 and $270.35 from South Park Motor Lines for C.O.D. and freight charges are not documented properly and it is not known what charges are for.....$ 23.58
270.35

Disallowance of $17.03 on statement covering invoices from South Park Motor Lines charged to transportation, as explained in engineer's report and noted on invoices..... 17.03

Overcharge on depreciation..... .22

$712.23

John F. Shaw
For W. H. King

Enclosures

WLD:es

cc: Sec. to the Oper. Comm. (2)
Contract
Traver
Chron.
Koschmann (2)

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

September 26, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 146XX, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for August 1952

Please find enclosed five copies of the above progress report--forms MF-104 and MF-104A, with narrative, list of samples, payroll, and required documentation--and seven copies of R. L. Belmar's memorandum covering inspection of the underground progress and accounts.

I agree with Belmar's disallowances and approve payment of $3,557.27, or 50 percent of the total claimed by the contractor of $7,705.53 less the $590.98 disallowance.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 4
AHKeschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

~~226 NEW CUSTOMHOUSE~~
~~DENVER, COLORADO~~

Building 20
Denver Federal Center
Denver 14, Colorado

September 26, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Belmar

Subject: DMEA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for August 1952

Progress under the subject contract was inspected September 10, 1952, by W. M. Traver, Jr. and R. L. Belmar, of the Bureau of Mines, in company with H. W. C. Preussl, Consulting Engineer. The progress accomplished in August is reported adequately in Preussl's narrative. The work performed this period is in conformance with the contract and is as reported on form MF-104A.

The following supply or service costs incurred by the operator, which have been charged to the project this period, are considered excessive, are not documented properly or do not conform to the terms of the contract, and, therefore, are not approved in total or in part:

Technical Services

Services of Fred J. McNair on July 6, 7, 8, and 30, totaling $139.00, are not described in enough detail to determine pertinence to the project. ($139.00 less $121.25 paid in stock and not charged to project = $17.75 disallowed.)
Services of H. W. C. Preussl on July 1, 5, 6, 7, 8, and 24, totaling 3.2 days, are not considered pertinent to the project. (3.2 days at $50.00 = $160.00 disallowed.)

Supplies

Alakog's invoice, totaling $83.46, is disallowed as the supplies itemized pertain to rehabilitation of surface facilities which are not covered by contract.
Firestone Stores' invoice, totaling $18.59, is a replacement part for equipment not itemized in the contract.

Repairs to Equipment

South Park Motor Lines, $270.35 and $23.58--c.o.d. items are not documented properly.

Transportation

South Park Motor Lines--Freight on items not approved for purchase or inadequately described to determine pertinence to project is disallowed in part totaling $17.03.

Depreciation of Equipment

Depreciation allowed on a DA-35 drifter is $10.83, not $11.05, -$0.22.

Summary of costs not approved:

Fred J. McNair	$ 17.75
H. W. C. Prommel	160.00
Alskog's	83.46
Firestone Stores	18.59
South Park Motor Lines	270.35
South Park Motor Lines	23.58
South Park Motor Lines	17.03
Depreciation of equipment	.22
Total	$590.98

The remainder of the costs claimed this period total $7,114.55. These are considered necessary and do not appear excessive, and are approved. Payment of 50 percent of the approved costs, or $3,557.27, is recommended.

It is noted that depreciation on the operator's equipment to date has exceeded the amount stipulated in the contract under Stage I.

R. R. McLellan for
R. L. Bolmar
Mining Engineer

RLB/bam

cc 6
AHKoschmann
E250
DMEA Chron.

LEADVILLE LEAD CORPORATION
DENVER, COLORADO

Invoice	Check No.	Amount	Contract	Labor	Tech.	Timber	Pipe	Track	Misc.Sup.	Deprec.	Repairs	Bookkp	Trans.
			LABOR			MATERIALS			EQUIPMENT			MISCELLANEOUS	
(1) Beals & VAN COOTEN			3300 00										
(2) Payroll (see sheets)				1564 93									
(3) Hopkins	1475	207 51			187 67								
(4) McNair	1477	354 75			354 75								
(5) Prentel	1500	694 28			535 00								
(6) McKinney	1493	38 56				38 56							
(7) Union Sup.	1494	751 83						42 15	67 68				
(8) Gard-Den.	1495	427 98									427 98		
(9) Univ.Dr.	1501	115 72									115 72		
(10) Alstop	1485	83 46							83 46				
(11) Firestone	242	18 59							18 59				
(12) McCoy	252	26 03									26 03		
(13) So.Park	251	24 70									23 58		
(14) So.Park	253	270 35									270 35		
(15) So.Park	1484	48 50											48 50
(16) Beck	1492	30 00										30 00	
(17) Depreciation (see sheet)										570 38			
			3300 00	1564 93	1077 42	38 56		42 15	169 93	570 38	863 66	30 00	48 50

Location: [illegible]

Payroll for week ending Aug. [illegible], 1952

Name	Days or Dates S	M	T	W	T	F	S	TOTAL TIME	OVER TIME	RATE PER HOUR	AMOUNT OF WAGES
Lube Phillips Work on dump 32 hrs. Police line zone 20 hrs.	0	9	9	8	9	9	[illegible]	52	12		$70.00
Sherman Wilson Cutting Ice Cato Crosscut	0	8	8	8	8	8	8	48	8		$70.00
Earl Payne Cutting Ice Cato Crosscut	0	8	8	8	8	8	8	48	8		$70.00
P. K. Woodward (Week ending 7/12/52)	0	0	0	0	4		7	11		$1.75	$19.25
" " " " " 7/19/52)	0	0	0	8	8	8	0	24		$1.75	$42.00
" " " " " 7/26/52)				8	8	8	8	32		$1.75	$56.00
" " " " " 8/2/52)	8	8	8	8	8			40		$1.75	$70.00

Payroll for week ending Aug. [illegible], 1952

Name	S	M	T	W	T	F	S	TOTAL TIME	OVER TIME	RATE PER HOUR	AMOUNT OF WAGES
Richard Shelback Cooks & Foremans helper		8	8	8	8	8	8	48	8		$30.00
Lube Phillips Dump 20 hrs. Zone 33 hrs.	5	8	8	8	8	8	8	53	13		$70.00
Sherman Wilson Cutting Ice Cato Crosscut	0	8	8	8	8	8	8	40	8		$70.00
Earl Payne Cutting Ice Cato Crosscut	0	8	8	8	8	8	8	48	8		$70.00
P. K. Woodward Repair buildings Building toilets	0	8	8	8	8	8	8	48	8		$70.00

Sheet # 10
Certified true transcript of Pay Roll
Ben Wright,
Sec.

Wage Rate	Total	Old Age Social Sec. Insurance	Withholding Tax	Board & Advances	Total	Net Amount Paid	Check No.
31.96	101.96	1.82	5.10		6.62	94.94	1480
21.04	91.04	1.37	10.50		11.87	79.17	1481
21.04	91.04	1.37	15.60	18.00	34.97	56.07	1482
	19.25	.29	1.30		1.59	17.66)	
	42.00	.63	5.90		6.53	35.47)	1483
	56.00	.85	8.70		9.55	46.45)	
	70.00	1.05	11.60	27.00	49.65	30.35)	
30.96	30.96	.58	5.10	15.00	20.96	10.28	1487
34.19							
34.19	104.19	1.57	5.10		6.67	97.52	1488
21.04	91.04	1.37	[illegible]		11.87	79.17	[illegible]
21.04	91.04	1.37	15.60	18.00	34.97	56.07	1490
21.04	91.04	1.37	15.60	18.00	34.97	56.07	1491

Sheet A Pay Roll
Certified True Transcript
Ben Wright
Secretary

[illegible]	[illegible]	Old Age Social Sec. Insurance	With-holding Tax	Board & Advances	[illegible]	Net Month Pay	Check No.
34.19	104.19	1.57	5.10		6.67	97.52	1507
21.04	91.04	1.37	10.50		11.87	79.17	1508
	70.00	1.05	11.40	15.00	27.45	42.55	1509
21.04	91.04	1.37	15.60	10.00	34.97	56.07	1510
3.36	36.36	.50	3.10		3.60	33.26	1511
45.00	125.00	1.88	10.10		11.98	113.00	1514
21.04	91.04	1.37	10.50		11.87	79.17	1515
	14.00	.21			.21	13.79	1516
	14.00	.21			.21	13.79	1517
	24.50	.37	2.30		2.67	21.83	1518
	14.00	.21			.21	13.79	1519

Location: Leadville Lead Corporation (Continued for August)

Payroll for week ending August 16, 1942

	Days or Rates										
	S	M	T	W	T	F	S	TOTAL HRS.	OVER TIME	RATE PER HOUR	SALARY OR WAGES
Hugh Phillips 30 hrs. camp & shop work 23 hrs. cleaning up tractor	5	8	8	8	8	8	8	50	13		$70.00
Sherman Wilson taking ice from Gato crosscut	0	8	8	8	8	8	8	40	8		$70.00
Earl Payne taking ice from Gato crosscut	0	8	8	8	8	8	0	40			$70.00
W. F. Woodward 16 hrs. building toilet 32 hrs. setting up crusher	0	8	8	8	8	8	8	48	8		$70.00
Richard Kehlbach Cook & Frommel's Helper	0	8	8	8	8	8	8	48	8		$30.00

Payroll for week ending August 23, 1942.

Hugh Phillips 30 hrs. work on cat. 25 hrs. wk. on road & camp	8	13	8	8	8	8	10	55	15	$2.00	$80.00
Sherman Wilson cutting ice Gato crosscut		8	8	8	8	8	8	48	8	$1.75	$70.00
John Murton 4 hrs on cat. 4 hrs. gunless raise						8					$14.00
Robt. Bradburn						8					$14.00
Porter Kirkwood 7 hrs. on cat. 7 hrs. timber & raise				7		7					$24.50
Joyce Rankin 8 hrs. on cat.						8					$14.00

TO BE FURNISHED BY THE OPERATOR

ITEM	VALUE	DEPRECIATION Allowance per Month
1 Dodge Power Wagon	$3060	$ 51.00
1 215 cfm G.D. Compressor	4975	81.00
1 365 cfm. G.D. Compressor	6950	116.00
1 25 KW Diesel-Electric	3975	66.00
12 30 cu. ft. side dump cars	3900	65.00
2 Air locomotives	3620	60.00
1 Canbon car transfer	450	7.50
20 Molson electric camp lamps	450	7.50
1 Deming pump 1 hp.	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 cf 79 air drills	1600	25.00
1 GD Jackhammer	380	6.00
1 GD mucking machine	2040	34.00
1 No. 2 Roots High Pressure Blower, Motor & Starter	800	13.33
1 LA 35 drifter	663	11.05

I certify that the above equipment was used on the project during the month of August, 1952.

Ben Wright

Secretary.

H. W. C. PROMMEL
Consulting Geologist and Mining Engineer
Denver, Colorado

Report No. 7
Written September 8, 1952

In re: Docket No. DMA 1463X
Lead-Zinc

Narrative Report on Operations at the Dauntless Tunnel, Park County, Colorado.

For the Month of
AUGUST
1952

On August 1st. 1952, the face of the Dauntless Tunnel was 1994 feet from the portal. On August 31st. 1952, the face of the tunnel was 2094 feet from the portal, so that the advance during August was 100 ft. Progress during July was delayed principally by absenteeism as well as by repairs to the small compressor (valves had to be reground) and other minor repairs, a gradual decrease in air pressure due to greater distance in the tunnel, wear and tear on air trammers with no replacement parts available, and to unusually hard porphyry in the heading making for shorter rounds. Several quartz-manganese stringers, some of them showing pyrites, were crossed by the tunnel and samples were taken of them as explained further below. The weather during the month was somewhat stormy and windy and there were only a few quiet days. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during August 1952, is as follows.

Work advancing the face of the tunnel was done on Aug. 1 and 2 and Aug. 11 to 30 incl. for a total of 22 days, partly on a one shift basis and partly on a two shift basis. 19 rounds were drilled for an average of 5.26 ft. per round. Other work done during the month consisted of building toilet on dauntless tunnel dump (48 m.h. approx.) building repairs 36 m.h., setting up sample crusher and equipment 80 m.h. (location of crusher had to be changed from upper floor of tunnel Quonset hut to Dauntless tunnel dump due to too heavy vibration), getting timber from Last Chance shaft for crusher and Dauntless drift escape way, 16 m.h., installing kitchen range 24 m.h., repair on upper exit of tunnel Quonset hut 6 m.h. Approx. 88 m.h. were spent on slabbing loose rock in tunnel and timbering the Dauntless drift to escape shaft, both of which were found to be in poor condition for the purpose they were serving. 32 m.h. were spent on general repairs of equipment, such as jumbo, machines (drilling) and mucking machine. Some time was spent by part of the tunnel crew on track upkeep in the tunnel and on the dump.

Repair work was carried on during the month on the company's caterpillar bulldozer and drive wheel clutches were completely overhauled. Some work remained to be done on the blade and the power take-off which should be completed during the early part of

September. The company's traxcavator was brought from Denver and repair work on it started during the latter part of the month. No repair work has as yet been done on the weasel (snow weasel). The old coal range was removed from the mess house and replaced by a second hand fuel oil range.

Messrs. H. W. C. Prommel and Paul Hopkins completed their geological studies in and mapping in the Dauntless tunnel and nearly completed their plane table work and gelogical studies and mapping of the surface along the course and in the near vicinity of the Dauntless tunnel. They also took some 44 samples of stringers crossing the porphyry in the tunnel, inclusive of 3 underground samples along the Dauntless shaft sublevel and a number of samples from the Badger Boy Open Cut and numerous dumps of prospect holes, shafts, caved workings. A list of samples taken, with assay values and co-ordinate location and description of each sample is attached hereto as exhibit 1. While many of the samples had to be grab samples, their assays show the wide distribution of mineralization in the vicinity of theDauntless tunnel and in some instances a considerable distance from it. Of especial interest is a sample from a small pile of ore found on the dump of the Upper Cato crosscut workings, some 159 feet vert. above the lower Cato crosscut and some distance to the west of it, which showed 62 oz. of silver, 6.9% lead, and 2.35% zinc. 6 caved workings were found above the upper Cato caved crosscut workings and it is evident that ore was at one time shipped from the latter workings at least 50 years ago. These upper Cato workings range in elevation from 12,890 ft. to 13,017 feet above sea level and the possibility of a parallel fissure to the Last Chance Hilltop fissure should be explored by diamond drilling from the lower Cato crosscut. A duplicate of each sample taken, duly marked for location and assay value, cut out from each sample before crushing and quartering for assaying, has been kept at the mine for inspection and study. Rock samples have also been taken in the Dauntless tunnel.

Cleaning out the ice in the lower Cato crosscut has advanced 121 feet during the month for a total of 161 feet. Much water was found flowing from the Last Chance Open Cut across the Cato crosscut into the Cato incline and down into the Ice Palace workings. This has been diverted into the crosscut and out to the surface and has been made use of to transport the mucked out ice for a distance of 30 feet to the surface. 136 ft. to 151 ft. of crosscut remain to be cleaned out. The work is now being done under contract. A total of 308 man hours were spent on the Cato crosscut during August.

The advance in the workings was measured by Messrs. Prommel and Hopkins. Detailed distribution of man hours and data on holes drilled, cars mucked etc. number of men employed during the month

on the tunnel crew have not as yet been received from the contractors and can therefor not be given in this report. They should be similar to the July figures given in report No. 6.

The above report is based on records kept by H. W. C. Prommel.

Maurine Beck was employed by the company as bookkeeper and received compensation therefor in excess of $50 which is claimed in form 104.

Leadville Lead Corporation,
By Harald W. C. Prommel.
Consulting Geologist and Mining Engineer
by Ben Wright, Sec

Dauntless Tunnel Camp, Park County, Colo.
September 8, 1952.

DAUNTLESS TUNNEL SAMPLES
Taken during July and August and September 1952.

Sample No.	Dist. from portal	Width ft.	Description	Gold Au	Silver Ag
1	1974	1.3	Brown porphyry with quartz stringer. N side face	0.02	0.28
2	1974	0.5	Face, center, Stringers, gouge. Some FeO	0.03	0.27
3	1942	0.4	N.wall, streak across tunnel.	0.01	0.19
4	1337	0.1	stringer, oxid. material on footwall brecc. porph.	tr.	tr.
5	1462	0.3	3 small stringers in porphyry fract. zone	tr.	0.10
6	1467	0.1	quartzy stringer crossing tunnel	tr.	0.12
7	1600	5.5	Fault zone. Brecciated porphyry foot wall of fault	tr.	0.10
8	1605	0.3	Gouge along hanging wall and other minor stringers in fault zone	tr.	0.13
9	1675	0.4	0.28 gouge, 0.2' brecc. porphyry stringer	tr.	tr.
10	1835	0.1	oxidized quartzy stringer	tr.	0.32
11	1890	0.3	small oxid. fissure	tr.	0.12
12	1918	0.1	small quartz stringer, some manganese.	tr.	0.30
13	922	3.0	Gouge vein on footwall side of porphyry dike	tr.	tr.
35	2080	0.1	stringer, quartz with heavy manganese	0.02	0.20
36	2074	0.1	stringer, quartz, manganese, some iron pyrites,	0.01	0.30
40	2087	0.1	stringer, quartz, manganese, some iron pyrites,	0.01	0.49
41	2042	0.1	stringer, blue quartz, manganese, some iron pyrites,	0.17	0.43
42	2034	0.1	stringer, blue quartz, manganese, some iron pyrites,	0.04	0.26

Leadville Lead Corporation

Surface and underground samples taken by H. W. C. Prommel and P. Hopkins during August and September 1952 at prospect holes, dumps and workings along the course of and in the vicinity of the Dauntless Tunnel.

Badger Boy and Dauntless Dumps and Workings

Sample No.	Width ft.	Co-ordinate location	Description	Au Gold oz.	Ag Silver oz.	Pb Lead %	Zn Zinc %
15	Grab	825N 775W	Selected ore sample from upper Dauntless shaft dump, lumps picked by hand	0.01	3.08	28.64	0.18
26	Grab	700N 720W	Lower Dauntless shaft around survey sta. 2, lumps picked by hand	0.04	8.36	23.90	0.12
27	Grab	725N 800W	Middle Dauntless dump, between sta. 4 and 14. lumps picked by hand	0.01	19.31	18.40	10.35
32	Picked	860N 1050W	High grade lead picked from oxid. limestone in place on East side of Badger open cut.	0.01	21.09	25.20	0.16
34	Grab	850N 730W	Upper Dauntless Open Cut, between sta. 51 and 52, lumps picked by hand from small piles of ore along cut	0.02	11.28	34.70	tr.
37	2.0	710N 770W	Lower Dauntless shaft, sub-level drift, first sample south of shaft, oxid. material with quartz, pyrite and galena	0.01	5.59	3.60	0.11
38	2.0	750N 750W	Lower Dauntless shaft, sub-level drift, north of shaft, oxid. material, with quartz, pyrite and some galena	0.01	6.22	8.55	tr.
39	2.0	700N 780W	Lower Dauntless shaft, sub-level drift, second sample south of shaft, oxidized material with quartz, pyrite, gelena	0.05	13.70	27.10	tr.
33	Grab	700N 720W	Lower Dauntless shaft dump, general dump sample of coarse material	0.02	6.48	0.86	0.30

Sample No.	Width ft.	Co-ordinate location	Description	Au. Gold oz.	Ag Silver oz.	Pb Lead %	Zn Zinc %
			Hilda, Last Chance Open Cut, Lower Cato crosscut, Last Chance Dump and Hilltop Incline shaft dump				
14	Grab	1820N 1660W	Picked ore sample (lumps) from Hilltop Incline dump	0.01	9.29	13.32	8.87
19	Grab	1235N 2090W	General sample of coarse Material from top of about 5 to 10 ton ore pile on ore platform of Hilda tunnel	0.01	20.30	9.36	0.36
21	Grab	1500N 2000W	Hand picked lumps from ore pile near Vannatter shaft	0.01	20.30	47.70	0.18
22	Grab	1320N 2100W	South end Last Chance Open Cut, high grade material lying on side of open cut. Hand picked sample of high grade Galena, leade carbonate with green stain.	0.01	51.55	52.80	0.38
23	Grab	1780N 1895W	Hand picked ore, Last Chance Dump near old boiler at sta. 191, near old loading platform.	0.01	13.20	13.55	13.10
24	Grab	1360N 2130W	South end Last Chance Open Cut. Ore in bottom of open cut, in place. Lumps. Mostly lead carbonate with some galena	0.02	7.58	42.50	tr.
25	Grab	1670N 1960W	Last Chance dump. Picked lumps of ore from main dump	0.07	11.03	21.00	4.15
			Samples from various localities				
16	Grab	1180N 1570W	Small pile of ore 50 ft. E of Sta. 159	0.01	14.60	8.66	44.98
17	Grab	1430N 1470W	Picked lumps of ore from dump of shaft at sta. 121. Galena and lead carbonate.	tr.	6.10	8.11	4.20
18	Grab	860N 1485W	Picked lumps from about 2-3 ton ore pile at caved workings, south side of gulch, quartz, galena, lead carbonate,	0.01	15.11	18.18	0.25
20	Aver.	1550N 2350W	Upper Cato Crosscut Average sample, coarse and fines from about 300 lb. pile of ore on platform at upper Cato Xcut, caved. Oxid. material, green stains, lead				

			carbonate and some galena. Weight orig. sample ca. 25lbs.	0.01	62.09	6.90	2.35
28	Grab	1410N 1510W	50 ft. N-45-W from sta. 128. Old dump. lumps of ore.	0.01	11.40	13.85	3.60
29	Grab	1380N 1010W	Prospect pit at sta. 110 on lake. Lumps.	0.01	2.09	0.20	tr.
30	Grab	1170N 1325W	West side of open pit at sta. 139. General grab dump sample of lumps.	0.04	24.16	0.60	0.16
31	Grab	1300N 1690W	Muck pile NW of sta.145 toward Sta.121 shaft.Looks like sorted ore from shaft. Quartz, lead carbonate, galena.	0.04	19.86	32.18	6.40
43	Grab	192S 405W	At sta.29.Picked lumps from dump. Oxid. green stained, quartzy, some galena and Pyrite. Considerable barite on dump	0.07	11.83	tr	0.30
44	Grab	440S 370W	Grab sample of lumps from ore piles between sta. 27 and 28.	0.03	49.77	tr	0.10
45	Grab	350S 570W	Grab sample, lumps, ore pile 150ft.NW from sta. 27, uphill. Barite on dumps.	0.03	21.58	20.80	7.92
46	Grab	950N 955W	Grab sample of lumps from dump at sta.39, old prospect hole.	0.02	11.28	tr	8.08
47	Grab	998N 625W	Grab sample of lumps from dump, prospect hole at sta. 68. possible northern extension of lower Dauntless ore shoot.	0.03	13.96	6.35	0.20

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

SEP 22 1952

Month of July, 1952 Docket No. DMEA 1463X Contract No. 1 DME - 250
Operator's Name Leadville Lead Corporation Minerals Lead
Address 710 Symes Building, Denver, Colorado Zinc
Contract Amount, $ 100,800 Government Participation: 50 % Amount, $ 50,400

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	3300.00	14,965.00	18,265.00			
(2) Labor and Supervision:						
Labor	576.20	2,308.66	2,884.86			
Supervision		525.55	525.55			
Technical Services	712.00	736.50	1,448.50			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe		979.20	979.20			
Track		462.83	462.83			
Misc. Supplies Del	480.33	674.87	1,154.20	320.89	674.87	995.76
(4) Operating Equipment:						
Rental	78.00	100.00	178.00			
Purchase						
Depreciation	570.38	3,194.39	3,764.77	570.16	3,194.39	3,764.55
(5) Initial Rehabilitation and Repairs		20.00	20.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
* Repairs to Equipment	483.60	2,668.11	3,151.71	352.24	2,668.11	3,020.35
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Bookkeeping	50.00	250.00	300.00			
(8) Contingencies (specify):						
Transportation	21.24	189.94	211.18			
Insurance		141.60	141.60			
TOTALS Del	6,269.75	27,216.65	33,486.40	5,980.73	27,216.65	33,197.38
	6,269.75		33,486.40		*-1,628.82	*-1,628.82
				5,980.73	25,587.83	31,568.56

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

Date July 13, 1952 *Payee Leadville Lead Corporation

Per Ben L. Wright, Jr. 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) * Previous Disallowances

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

$2990.36

Signature
(Authorized Certifying Officer)

Date 9/22/52 Vou. No. DMA-53-36
(See other side)

* Labor for Repairs to equipment and repair parts are joined herein. $19.50 has been moved to this amount since it was shown as Transportation last month which was in error and 19.50 has been deducted from transportation.

(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. 8-260 in accordance with the terms of the contract.

Signature R. L. Bolmer #2990.36 Title Min. Engr. Date Aug 22, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: 2990.36

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 2 Docket No. DMEA 1463X Contract No. 1 DME - 250

Operator's Name Leadville Lead Corporation Minerals Lead

Address 718 Symes Building, Denver, Colorado Zinc

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	feet	5807.68	100	30560.98	543	56.28	900	45.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
* Trenching Stage 2, Preparation		196.00		196.00				
Test Pits								
Roads and Trails Maintenance		266.07		1816.17				
* Tunnel Maintenance				913.25				
Total Distributed Costs		6269.75		33486.40				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
Total Costs								

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

Date Aug. 15, 1952 Operator Leadville Lead Corporation

Per Ben L. Wright Jr. 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)

Remarks:

(For Government use only)

* No unit cost shown since contract is not broken down as to catagories of work shown above.

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

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

Administrative Audit Difference Statement

Date: ~~EKE~~ Sept. 19, 1952
Payee's Reference: Progress Report - July 1952

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount claimed $6,269.75

Difference $ 289.02

Amount Approved $5,980.73

The reason for the difference was due to:

Item 3 - Miscellaneous Supplies disallowed:		
Alskog - Error in computation	- Claimed 23.31 Invoice 21.81	$ 1.50
Union Supply (Fire extinguishers) Contract allows only $50.00		149.94
Gateley Motor Co. (Refund to be made when container is returned)		6.00
Item 4 - Depreciation of operators equipment:		
Ingersoll-Rand-drifter	- Charged 11.05 Allowed 10.83	.22
Item 7 - Repairs to Equipment:		
Gardner-Denver (Hole Spotter) (Not provided for in contract)		75.89
South Park Motor Co. (No invoice from McCoy Co.)		55.47
		$289.02

Any reclaim for deductions made above must be supported by the ORIGINAL OF THIS FORM.

Very sincerely yours,

N. E. Stokes
Audit Section

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

September 3, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1463X, Contract Ida-X250 (Lead-Zinc) Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of July, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $2990.36, which is 50 percent of the total of $5980.73, which reflects disallowances totaling $289.02 as explained in the engineer's report.

W. H. King
W. H. King

Enclosures

WLD:cc

cc: Contract
Secretary to the Operating Comm. (2)
WMTraver
Chron.
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

August 26, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1463X, Contract Idm-E250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for July 1952

Please find enclosed five copies of the above progress report, forms MF-104 (revised) and MF-104A, with narrative, payroll, cost distribution, one copy only of certified invoices, and seven copies of R. L. Belmer's memorandum covering inspection of the underground progress and accounts.

Disallowances of $289.02 are correct.

Subtracting the above amount from the $6,269.75 claimed by the contractor leaves $5,980.73. Of this sum, payment of 50 percent, or $2,990.36, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 4
AHKoschmann
E250
DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

August 26, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 1463X, Contract Idm-8250 (Lead-zinc), Leadville Lead Corporation, Park County, Colorado - Progress report for July 1952

Progress under the subject contract was inspected August 21, 1952, with Frank Johnson, DMEA Operating Committee, Washington, D. C., and H. W. C. Prommel, consulting engineer. Prommel's narrative accurately covers the progress accomplished this period.

The Dauntless tunnel was advanced 111 feet, all in porphry, for a total distance of 1,994 feet from the portal. The last 603 feet of advance has been driven under the subject contract. The second drifting contract with Beals and Van Cooten (advancing the Dauntless tunnel 700 feet) will be completed in an additional 243 feet. It is estimated that Stage I of the contract will be completed by October 1, 1952,with the face of the tunnel at 2,237 feet from the portal. At that distance, the tunnel should have intersected or passed below the Last Chance - Hilltop fissure.

Geologic mapping of the Dauntless tunnel is in progress. Approximately 75 percent of the surface mapping has been completed. It is anticipated that engineering work will have progressed sufficiently in two weeks for the planning of Stage II to commence. The Cato cross-cut was cleaned of ice and snow for a distance of 40 feet. This work will be continued as preparatory work for Stage II.

The work performed this period, for which claim is made, is in conformance with the contract and is as reported on form MF-104A.

The supply and service charges claimed this period are considered necessary, are properly documented, and conform to the terms of the contract, except as follows:

Item 3. Miscellaneous Supplies:

$23.31 of the Alskog's invoice has been charged to the project. The approved items in this invoice total only $21.81.

The charge for fire extinguishers, Union Supply Company invoice of June 16, 1952, is disallowed in its total amount, or $149.84. Items of equipment costing over $50.00 must be approved in the contract.

The total invoice from Gately Motor Company is charged to the project. A $6.00 drum deposit included in the invoice is disallowed as a refund is due when the container is returned.

Item 7. Repairs to Equipment:

Claim is made for the cost of a hole spotter, $75.89, Gardner-Denver invoice of May 28, 1952. The operator considers this item as repairs to equipment, but a similar item, claimed in June 1952, was disallowed by the regional auditor as equipment not provided for in the contract. It is disallowed again this month.

A c.o.d. charge on tractor parts paid to South Park Motor Lines in the amount of $55.47 is not substantiated by invoice from the McCoy Company. It is disallowed.

Item 4. Depreciation of Operator's Equipment:

The contract allows depreciation of an Ingersoll-Rand drifter at $10.83, not $11.05 as charged; therefore, $0.22 is not approved.

Other costs claimed this period total $5,980.73 and are approved. Payment of 50 percent of this amount, or $2,990.36, is recommended. It is not evident why an invoice from E. L. Snell for transportation of supplies to the project has been charged as repairs to equipment.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc 6
AHKoschmann
E250
DMEA

LEADVILLE LEAD CORPORATION
DENVER, COLO.

July, 1952

Invoice	Check No.	Amount	Contract	LABOR Labor	LABOR Supervsn	LABOR Tech.	MATERIALS Misc. Supplies	MATERIALS Pipe	EQUIPMENT Rental	EQUIPMENT Deprec.	EQUIPMENT Repairs	MISC Bookkpg.	CONTING Transp.
1. Beals & Van Cooten			3300 00										
2. Pay Roll (see sheets)				576 20									
3. Prommel	1447	792 99				712 00							
4. Chic. Wire	224	26 42					26 42						
5. Dials	228	17 40					17 40						
6. Deterts	222	12 75					12 75						
7. Alskogs	227	26 31					26 31						
8. Union Sup.	1465	235 75					235 75						
9. Univ. Dredg	1460	44 68									44 68		
10. Dials	1442	79 18					79 18						
11. Gateley	1440	104 72					104 72						
12. Brundage	1443	78 00							78 00				
13. Snell	1436	142 81									119 00		
14. (See attached sheet)										570 38			
15. Gard-Dvr.	1463	223 89									223 89		
16. So. Park	239	58 00									55 47		1 24
17. Fplay Mot.	1451	20 00											20 00
18. Prommel (Cumm. Dies)	1456	40 56									40 56		
19. Beck	) 1473	30 00											
	) 1449	40 00										50 00	
			3300 00	576 20		712 00	481 33 Bal ~~499 53 Bal~~ ~~502 53~~		78 00	570 38	483 60	50 00	21 24

TO BE FURNISHED BY THE OPERATOR

ITEM	VALUE	DEPRECIATION Allowance per Month
1 Dodge Power Wagon	$3060	$ 51.00
1 215 cfm G.D.Compressor	4975	81.00
1 365 cfm. G.D. Compressor	6950	116.00
1 25 KW Diesel-Electric Generator	3975	66.00
12 30 cu. ft. side dump cars	3900	65.00
2 Air locomotives	3620	60.00
1 Canton car transfer	450	7.50
20 Edison electric camp lamps	450	7.50
1 Deming pump 1 hp.	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 Cf 70 Air drills	1600	25.00
1 GD Jackhammer	380	6.00
1 GD Mucking Machine	2040	34.00
1 No. 2 Roots High Pressure Blower, Motor & Starter	800	13.33
1 DA 35 Drifter	663	11.05

I certify that the above equipment was used on the project during the month of July, 1952.

Ben Wright, Jr.
Secretary

Location: [illegible]

Payroll for week ending July 4, 1942

NAME	Days or Dates							TOTAL HRS.	O.T. HRS.	RATE PER HOUR
	4	5	6	7	8	9	10			
Rube Phillips (Miner) 8 hrs. on dump 32 " on cat repairs 3 " change shaft	8	8	8	8	8	8	8	48	8	1.75
A. L. Emery (Miner) 24 hrs. change shaft					8	8	8	24		*1.75
Richard Wahlback (Miner) 32 hrs. shoveling snow at change shaft		8	8	8	8			32		1.85
John Norton (Miner) 14 hrs. helper on cat repairs				8	6			14		1.75

Payroll for week ending July 11, 1942

Rube Phillips (Miner) 24 hrs. on dump 24 hrs. on crawler cat	8	8	8	8	8	8	0	48	8	1.75

Payroll for week ending July 18, 1942

Rube Phillips (Miner) 32 hrs. on dump 20 hrs. repairs on cat	4	8	8	8	8	8	8	52	12	1.75

Payroll for week ending July 25, 1942

Rube Phillips (Miner) Work on dump								48	16	1.75
Charles Wilson (Miner) Taking ice out of Lake Crescent								24		1.75
Carl Bayn (Miner) Taking ice out of Lake Crescent								24		1.75

SALARY OR WAGES	OVER TIME	TOTAL	OAS Age Soc. Ins.	With-holding	TOTAL	NET AMOUNT PAID	CHECK NUMBER
70.00	11.04	81.04	1.37	12.60	13.97	67.07	1464
42.00		42.00	.64		.64	41.36	1465
40.00		40.00				10.00 30.00	818 821
25.00		25.00				25.00	819
70.00	11.04	81.04	1.37	12.50	13.87	67.17	1468
70.00	31.86	101.86	1.52	4.60	6.12	95.44	1468
		101.86	1.11	4.71	6.82	95.34	1469
		42.00	.63		.63	41.37	1470
		42.00	.63	5.00	6.43	35.57	1471

Certified Transcript of July 1952 Payroll
Ben Flowright Jr.
Secretary

A. W. G. DEWSNAL
Consulting Geologist and Mining Engineer
Denver, Colorado

Report No. 6
Written August 2, 1952

IN RE: Docket No. DMA 1463X
Lead-Zinc.

Narrative Report on Operations at the Dauntless Tunnel
Park County, Colorado

FOR THE MONTH OF JULY, 1952

On July 1, 1952, the face of the Dauntless tunnel was 1883 feet from the portal. On July 31, 1952, the face of the tunnel was 1994 feet from the portal, so that the advance during July was 111 feet. Progress during July was delayed by absenteeism, breakdowns and necessary repairs on Cummins Diesel engine of large compressor, mucking machine, air drills (one new drill was acquired during July), firing line in tunnel (a short circuit developed which caused several misfires and partial loss of rounds drilled), motor on water line for drills (a boiler feed pump, air driven, was installed in the circuit while motor is being repaired in Denver), and some trouble with air locomotives, as repair parts for Gardner-Denver motors on them are hard to obtain. The weather during the month, while somewhat rainy, was not the cause of any delays. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during July 1952, is as follows:

Work advancing the face of the tunnel was done on July 1 to 3, inclusive, 7, 8, 11, 14, 16 to 19, inclusive, 22 to 27, inclusive, and 29 to 31, inclusive, for a total of 20 days. One round was drilled on 13 days and two rounds were drilled on 6

days for a total of 19 days drilling, while mucking out only was done on one day. Other work, such as repairs on equipment and buildings, road work, getting into Vannetter shaft and commencing clearing of ice from Sato crosscut added 7 days for a total of 27 days worked during July, by an average of 8.94 men per day.

The company's caterpillar bulldozer is still dismantled on the Gauntlets tunnel dump waiting for certain repair parts. No work was done on the snow weasel during July, but a list of necessary repair parts was made and delivered to the Denver office of the Company.

Mr. Arthur McNair, Civil Engineer, formerly of Leadville and now in charge of the surveying department at Cornell University, was on the property July 15 to 19, inclusive, July 22, 23, and 31 to check and add on to some of his survey and mapping work done during 1948 and 1949 and discuss it with Mr. Prommel.

Mr. Paul Hopkins, graduate student of the Colorado School of Mines, was on the property from July 15 to 31, inclusive, assisting Mr. McNair, starting geological mapping of the Gauntlets tunnel and later acting as assistant to Mr. Prommel. Mr. H. W. C. Prommel was on the property from July 15 to 31, inclusive, arranging office quarters for geological work underground as well as on the surface along the course of the Gauntlets tunnel. Geologic notes were taken by him and Mr. Hopkins from the portal to 1300 feet, but some checking and sampling remains to be done over this distance and the Gauntlets shaft workings remain to be inspected and geology mapped. The geologic map of the tunnel has

been started on a scale of 1" equals 40 ft.. Surface plane table work has also been started but has not advanced far on account of rainy weather the last days of July. The advance in the Dauntless tunnel was measured by Messrs. Frommel and Hopkins on the morning of August 1, 1952.

An average of 8.94 men working an equivalent of 27 eight hour days each put in a total of 1931 man hours during July against 1488 man hours in June, (engineering work by Messrs. McNair, Frommel and Hopkins not included). 26 rounds of holes averaging 27.6 holes per round were drilled and blasted. A total of 690 holes were drilled, about 2600 lbs. of powder were used. 478 thirty cu. ft. cars of muck were hauled out of the tunnel. The face of the tunnel remained in porphyry throughout the month and several diagonal narrow stringers of silicious material, some showing manganese were cut. In general the porphyry traversed during July was harder, required more time per round to drill and more powder, which in part accounts for a decrease in advance in July over June. Average figures <u>per round of holes drilled</u> are as follows:

Depth of holes, aver.	6 feet	Powder used	104 lbs.
Advance	4.44 ft.	Primers	23.1
Man hours drilling	15.34	30 cu. ft. cars muck	19.12
" " mucking	18.36	number of trips	6.56
" " tramming	5.44		
" " compressor	13.6		
TOTAL. .	50.24		

During the month a hole about 14 feet deep was dug through snow on top of the collar of the Vannetter shaft. The bottom of the shaft could be reached, but accumulated water and ice had made other underground workings inaccessible from the Vannetter shaft.

For above reasons, clearing of ice from the Geto crosscut was started late in July. 40 ft. of the tunnel was cleared of ice (at the rate of 10 ft. per day) and the work is being continued in August.

Time distribution on a man hour and percentage basis for July is as follows:

			Man Hrs.	Percent
Freighting, fairplay to tunnel			32	1.7%
Road work, grading			16	0.8%
Pump (track)			16	0.8%
Buildings, (General repairs, improvements)			107	5.5%
Equipment repairs and upkeep			104	5.4%
Tunnel Ventilation, repairs and extension			224	11.6%
Vannetter Shaft, shoveling snow from collar			32	1.7%
Lower Geto crosscut, removing ice			64	3.3%
Dauntless Tunnel	M.H.	%		
Drilling	396	31.5%		
Mucking	384	30.6%		
Tramming	136	10.8%		
Compressors	340	27.7%		
	1256	100.0%	1256	65.1%
Supervision (VanCooten)			80	4.1%
			1931	100.0%

The percentage of time spent in actual tunnel driving decreased from 76.8% during June to 65.0% during July.

The above report is based on diary entries and time record sheets kept by [illegible] Van Cooten at the mine and checked by [illegible] Frommel.

Maurine Beck was employed by the company as bookkeeper and received compensation therefor in excess of $50 which is claimed in form 104.

DEARWATER [illegible] CORPORATION

By: Harold [illegible] Frommel
Consulting Engineer
by Ben Flowright, Jr.
Secretary

Denver, Colorado
August 2, 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1952

Month of June, 1952 Docket No. DMEA 1465X Contract No. 1DME-250
Operator's Name Leadville Lead Corporation Minerals Lead
Address 718 Symes Building, Denver, Colorado Zinc
Contract Amount, $ 100,800 Government Participation: 50 % Amount, $ 50,400

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 [redacted] Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting	3360.00	11605.00	14965.00			
(2) Labor and Supervision:						
Labor	392.57	1926.09	2318.66			
Supervision	392.22	133.33	525.55			133.33
Technical Services	426.00	300.50	726.50			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe	979.20		979.20			
Track	462.03		462.03			
Misc. Supplies	69.35	605.52	674.87	66.31	605.52	671.83
(4) Operating Equipment:						
Rental		100.00	100.00			
Purchase						
Depreciation	559.33	2635.06	3194.39			
(5) Initial Rehabilitation and Repairs		20.00	20.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	57.90	1711.86	1769.76			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Bookkeeping	50.00	200.00	250.00			
Transportation	137.96	71.48	209.44			
(8) Contingencies (specify):						
Repair parts	480.81	398.05	878.86	404.91	398.05	802.96
Insurance		141.60	141.60			
				6,889.01	19,856.48	26,745.49
				* 175.14		* 175.14
TOTALS	7,360.17	19,856.48	27,216.65	**	** 982.52	** 982.52
				6,713.87	18,873.96	25,587.83

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

Date 7/18/52 *Payee Leadville Lead Corporation

Per Ben Turnight Jr. 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:

$ 3356.93

Signature [illegible]
(Authorized Certifying Officer)

Date 9/5/52 Vou. No. DMA 53-29
(See other side)

* DMEA Auditors Report
** Previous Disallowances

(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. dm-E250 in accordance with the terms of the contract.

Signature R. L. Bolmes $3,658.47 Title Mining Engineer Date July 25, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1952

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

Month of June 195 2 Docket No. DMEA 1463X Contract No. 1 [illegible]-250
Operator's Name Leadville Lead Corporation Minerals Lead
Address 718 Symes Building, Denver, Colorado Zinc

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	feet	7140.67	100	25753.30	443	58.13	900	45.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
* Roads and Trails Maintenance		181.00		1,500.10				
* Tunnel Maintenance		75.00		913.25				
TOTAL DISTRIBUTED COSTS		7360.17		27,216.65				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date July 31, 1952 Operator Leadville Lead Corporation

Per Ben Fleright Jr. 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)

* No unit cost shown since contract is not broken down as to various categories of work shown above.

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

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

Administrative Audit Difference Statement

Date: September 4, 1952
Payee's
Reference: Progress
Report - June 1952

Leadville Lead Corporation
500 Ernest & Cramer Bldg.
Denver, Colorado

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

Amount claimed $7,360.17

Difference $ 646.30

Amount Approved $6,713.87

The reason for the difference was due to:

See attached

Any reclaim for deductions made above must be supported by the ORIGINAL OF THIS FORM.

Very sincerely yours,

H. H. Stokes
Audit Section

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

Disallowances - In accordance with on-site audit report dated August 14, 1952 covering period Feb. 1, 1951 through June 30, 1952.

Charges for supplies and services prior to date of contract	$ 95.20
Stationery-Record books - overhead charge	3.84
Supervision - No Voucher	25.00
March charges not substantiated by invoice	19.23
May-charge-Gately Motor Co. Prior to contract date	31.87
June:	
Charge for container on which refund is due when returned	2.04
Deal Service-error in addition	1.00
Repair parts - error in copying	.01
796X Hole Spotter Equipment not in contract	75.89
Supervision - W. C. Van Cooten	392.22
Total	646.30

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

August 21, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 1463X, Contract Idm-E250 (Lead-Zinc), Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report, for the period of June, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Amount Reported		$ 7,360.17
Disallowances - In accordance with on-site audit report dated August 14, 1952 covering period Feb. 1, 1951 through June 30, 1952.		
Charges for supplies and services prior to date of contract	$ 95.20	
Stationery-Record books - overhead charge	3.84	
Supervision - No Voucher	25.00	
March charges not substantiated by invoice	19.23	
May-charge-Gately Motor Co. Prior to contract date	31.87	
June:		
Charge for container on which refund is due when returned	2.04	
Deal Service-error in addition	1.00	

June: (Cont'd)

Repair parts - error in copying	$ .01
796X Hole Spotter Equipment not in contract	75.89
Supervision - W. C. Van Cooten	392.22

W. C. Van Cooten is a partner in the firm of Beals & Van Cooten who have tunnel drilling contract. He submitted receipts all dated June 27, 1952 as follows :

11 days - supervision - March	169.18
One week " April	100.00
4 days each May & June	123.04

In view of the fact that Beals & Van Cooten were paid $13,460.00 for advancing tunnel 400 feet in this same period, payment is disallowed until evidence of actual supervisory services performed is furnished.

Total Disallowance $ 1,038.52

Balance $ 6,321.65

Reimbursement, Govt Participation 50% $ 3,160.82

The operator should be instructed to make deductions from where originally charged so that future MF-104 and MF-104A reports will reflect correct project costs to date.

W. H. King

Enclosures

JWT:fwo

Cc: Sec. Oper. Comm. (2)
Traver
Contract
Koschmann (2)
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

July 28, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 1463X (Lead-zinc), Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Progress report for June 1952

Please find enclosed four copies of the above progress report on the new forms MF-104 (revised) and MF-104A, with narrative, payroll, and other required documentation, and seven copies of R. L. Bolmer's memorandum report covering inspection of the accounts and a reference to C. M. Harrer's verification of the underground progress.

Bolmer correctly disallows $42.32 for a cumulative error in the supervision charge and $1.00 for an arithmetical error in totaling miscellaneous supplies.

He notes that $19.50 entered as Transportation should be charged to Repairs to Equipment. Transportation this month has been erroneously charged under Item 7, Miscellaneous, and belongs under Item 8, Contingencies. These two corrections have been called to the operator's attention and will be shown in their proper place on the July report.

Deducting $43.32 from the total $7,360.17 claimed leaves $7,316.85. Payment of 50 percent of this amount, or $3,658.42, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 4
AHKesehmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

July 28, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 1463X (Lead-zinc), Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Progress report for June 1952

Progress under the subject contract was inspected by C. M. Harrer, July 23, 1952, with Duke Beals, a subcontractor. Harrer confirms an advance of 132 feet in the Dauntless tunnel during June and the timbering of 60 feet of the tunnel. At the close of this period the face of the tunnel was 1,883 feet from the portal. The last 490 feet of this distance was performed under the subject contract. On the date of Harrer's inspection, the tunnel face was 68 feet farther or 1,951 feet from the portal and was still in porphyry. Promsel's narrative is correct and complete and covers fully other work performed this period.

All work performed this period, for which claim is made, is in conformance with the contract. The corporation pays their subcontractor at the completion of every 100 feet of advance and correctly have claimed and listed on form MF-104A units of 100 feet this period.

The supply and service charges, with the exceptions taken below, are considered necessary and do not appear excessive. All charges on form MF-104 are supported by the required documentation.

The only basis on which to substantiate the claim for supervision by Van Cooten during the months March through June is Promsel's narrative reports covering these periods. Promsel reports a total of 182 man hours supervision by Van Cooten during these four months. This total is equivalent to 22-1/2 days. On the basis of 26 working days per month, Van Cooten should have been paid a total of $350.00 on a monthly rate of $400.00. Of the amount claimed for supervision, $42.32 is not approved.

Under Item 3, Miscellaneous Supplies, an invoice in the amount of $17.01 has been charged as $18.01. Item 3, therefore, should be reduced by $1.00 to $68.35.

It is noted on form MF-104, that "Repair parts", $480.81, is distributed under Item 8, Contingencies. This amount should have been included with the amount distributed under Repairs to Equipment, Item 7, Miscellaneous. An invoice in the amount of $39.50 has been distributed under "Transportation"; $19.50 of the invoice more correctly should be distributed under "Repairs to Equipment".

As $42.32 in Item 2, and $1.00 in Item 3 are not allowed as costs to the project, only $7,316.85 of the amount claimed is approved. Payment of 50 percent of this amount, or $3,658.42 is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc: 6
AHKoechmann
E250
DMEA Chron.

Report No. 5
Written July 10, 1952

In re: Docket No. DMA 14653
Lead-Zinc

LEADVILLE LEAD CORPORATION

Narrative Report on Operations at the Dauntless Tunnel, Park County, Colorado
For the Month of June, 1952.

On June 1, 1952, the face of the Dauntless Tunnel was 1751 feet from the portal. On June 30, 1952 the face of the tunnel was 1883 feet from the portal, so that the advance during June was 132 feet. Progress was slow during the first half of the month but speeded up during the last half due to opening of road and less absenteeism. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during June, 1952, is as follows:

Work advancing the face of the tunnel was done June 2 to 5, inclusive, 11 to 14 inclusive, 16 to 20 inclusive, 23 to 28 inclusive, and June 30, for a total of 20 days. Two shifts per day were worked in the face on five days. Other work, such as timbering, work on vent line, air and water lines, dump, etc. added 5 days to make a total of 25 days work performance during June by an average of 7.4 men.

The road from Leavick to the Dauntless tunnel was finally cleared of snow by June 7, and will now remain open during the summer and fall months. The company's caterpillar bulldozer has been partially dismantled to inspect the clutch assemblies which need repairs and it is hoped to have the bulldozer repaired during July. A small cave-in at one of the faults which cross the tunnel made a little re-timbering necessary at that place. Mr. Gerald Galloway, mineral surveyor of Alma, Colorado, was at the tunnel and brought his survey of the tunnel up to date. Weather reports were not kept during June, but the weather was favorable generally, temperatures remaining mostly above freezing and remaining snowbanks melting fast. Mr. Prommel, consulting engineer, spent several days on the property and checked measurements on advance of tunnel on June 30.

An average of 7.4 men working an equivalent of 25 eight hour days each put in a total of 1488 man hours against 1290 man hours in May. 22 rounds of holes (averaging 25.2 holed per round) were drilled and blasted. A total of 555 holes were drilled, 2000 lbs. (approx.) of powder were used. The 22 rounds of 7 ft. holes resulted in 438 thirty cu. ft. cars

of muck which were removed from the tunnel by the air locomotives making 164 trips. Average figures per round of holes drilled are as follows:

Depth of Holes (Average)	7 feet	Powder used	90.9 lbs
Advance	6 feet	Primers	24.3
Man hours drilling	14.73 m.h.	30 cu.ft. cars	
" " Mucking	19.5 " "	muck	22.05 cars
" " Tramming	6.55 " "	Number of trips	7.45 trips
" " Compressor	11.27 " "		
TOTAL. . . .	52.05 m.h.	Aver. No. of men, 6.5, working 8 hrs.	

Time distribution on a man hour and percentage basis for June is as follows:

			m.h.	%	
Freighting Fairplay to mine, supplies and timber			32	2.1%	
Road work Cleaning snow.			72	4.8%	7.4%
Dump Framing trestles			8	0.5%	
Equipment Repairs and Upkeep	m.h.				
General	88				
Caterpillar	24		112	7.9%	
Timbering			48	3.2%	
Ventilation Putting in vent pipe			40	2.6%	15.3%
Pipe Lines Extending lines			24	1.6%	
Tunnel Heading					
Drilling	324	28.3%			
Mucking	428	37.4%			
Tramming	144	12.6%			
Compressors	248	21.7%			
	1144	100.0%	1144	76.3%	
Supervision					
W. . . VanCooten			8	0.5%	
		TOTALS. . . .	1468 m.h.	100.0%	

The percentage of time spent in actual tunnel driving increased from 68% for May to 76.3% during June.

The above report is based on diary entries and time record sheets kept by W. A. VanCooten at the mine and checked by H. W. C. Prommel. Caterpillar and weasel repairs are to be carried on during July.

Laurine Cock was employed by the Company as bookkeeper and received compensation therefore in excess of $50.00 which is claimed in form 104.

MAGVILLE GOLD CORPORATION

BY: Harold W. C. Prommel

Consulting Engineer. by Geo. Llewright, P. Secretary

LEADVILLE LEAD CORPORATION
Denver, Colo.

	Invoice	Check No.	Amount	Contract	Labor: Labor	Labor: Supervis.	Labor: Tech.	Mat'ls: Misc. Supp	Mat'ls: Pipe	Mat'ls: Truck	Equipm.: Rental	Equipm.: Depree.	Equipm.: Repairs	Equipm.: Boarding	Equipm.: Terms	Contingencies: Rep.Pts.	Contingencies: Insurance
1	Berls &	1397	2500 00														
	Van Cooten	1403	2500 00	3300 00													
2	"	"	"	60 00													
3	"	"	"			169 18											
4	"	"	"			223 04											
5	Pay Roll	(see sheets)															
	Sheets				382 57												
6	Prommel	1421	460 84				428 00										
7	Union Supply	1402	1453 47							462 83							
8	" "	"	"						979 20								
9	" "	"	"					11 44									
10	Mine & Smelt.							5 06									
11	See Sheet											559 33					
12	Steenbock	216	69 92					4 08					57 90				
13	Diels	215	31 29					18 01									
14	Cont.Oil	211	32 76					32 76									
15	Beck	(1399	72 56														
		(1412	24 18									50 00					
16	So. Park	1405	98 46											17 09			
17	" "	"	98 46											81 37			
18	F'play Motor	1417	39 50											39 50			
19	McCoy	1419	17 39													17 39	
20	Corm-Denver	1425	463 41													358 13	
21	" "	"	"													9 49	
22	" "	"	"													75 89	
23	" "	"	"													19 91	
				3360 00	382 57	392 22	428 00	69 35	979 20	462 83		559 33	57 90	50 00	137 96	480 81	

TO BE FURNISHED BY THE OPERATOR

ITEM	VALUE	DEPRECIATION Allowance per Month
1 Dodge Power Wagon	$3060	$ 51.00
1 215 cfm G. W. Compressor	4975	81.00
1 365 cfm. G. W. Compressor	6950	116.00
1 25 KW Diesel-Electric Generator	3975	66.00
12 30 cu. ft. side dump cars	3900	65.00
2 Air locomotives	3620	60.00
1 Canton car transfer	450	7.50
20 Edison electric camp lamps	450	7.50
1 Deming pump 1 hp.	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 Cf 79 Air drills	1600	25.00
1 CP Jackhammer	380	6.00
1 CP Mucking machine	2040	34.00
1 No. 2 Roots High Pressure Blower, Motor & Starter	800	13.33

I certify that the above equipment was used on the project during the month of June, 1952.

Ben Lovingood Jr.
Secretary

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 250

Name of Operator [illegible]
Docket No. DMA [illegible]
Total Contract Amount $[illegible]
Government Participation: [illegible] % Amount, $[illegible]
Distribution of Expenditures for Month of [illegible]

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 17 1952

CERTIFICATION

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

[illegible]
(Name of Company)

By Ben Lewright Jr
(Signature of Authorized Official)

June 10, 1952
(Date)

Secretary
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
[illegible]	[illegible]	[illegible]	[illegible]	613.49	2,021.57	2,635.06
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
[illegible]		[illegible]	[illegible]		20.00	20.00
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures		[illegible]	[illegible]	120.95	227.68	348.63
[illegible]	[illegible]	[illegible]	[illegible]		428.47	428.47
[illegible]		[illegible]	[illegible]		72.84	72.84
[illegible]						
[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	279.00	191.95	470.95
4. Labor[3]	[illegible]	[illegible]	[illegible]	453.75	1,605.67	2,059.42
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts		[illegible]	[illegible]		398.05	398.05
(d) Other	[illegible]	[illegible]	[illegible]	223.53	381.99	605.52
7. Power						
8. Transportation	[illegible]	[illegible]	[illegible]	6.18	65.30	71.48
9. Insurance						
(a) Fire		141.60	141.60		141.60	141.60
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	[illegible]	[illegible]	[illegible]	3,300.00	8,305.00	11,605.00
11. Other (specify)						
[illegible]	[illegible]	[illegible]	[illegible]	50.00	150.00	200.00
[illegible]		[illegible]	[illegible]		308.50	308.50
[illegible]	100.00		100.00	100.00		100.00
Total	[illegible]	[illegible]	[illegible]	5,146.90	14,318.62	19,465.52
Deletions				-100.00		-100.00
Adjusted totals				5,046.90		19,365.52
Totals previously reported				14,318.62		
Totals to date				19,365.52		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by R. L. Bolmer WM HP
Amount approved for payment $2,523.45 $2,523.45 $2523.45 86
Remarks

10—64068-3

Schedule DMA 53-5
July 9, 1952
2523.45

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May, 1958

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	308.76	1,[illegible].60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	[illegible]	1,[illegible].60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

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

Administrative Audit Difference Statement

Date: July 9, 1952
Payee's
Reference: Progress
Report - May 1952

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount claimed $ 5537.86

Difference $ 490.96

Amount Approved $ 5046.90

The reason for the difference was due to:

Rehabilitation repair and transportation on blower and motor:

April	100.00
May	390.96
	490.96

Operating equipment furnished by the operator with a depreciation charge to the project should be in working condition at the time it is delivered to the project. Above charges are, therefore, not allowable.

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

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - M&F Form No. 4
4-15-52 D

Mining Division
Region IV

July 8, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250 (Lead-Zinc), Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of May, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported		$5537.86
Disallowances		
May Item 3(d)	$390.96	
April Item 3(d)	100.00	
		490.96
		$5046.90
Government participation - 50%		$2523.45

The disallowance of the amounts of $390.96 and $100.00 in the May MF-104 Report is explained in the engineering report.

W. H. King
W. H. King

Enclosures

WID:oc
cc: Secretary to the Oper. Comm. (2)
Traver
Contract
Chron.
Koschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

June 30, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1463X, Contract Lim-E250, Leadville Lead Corporation, Denver, Colorado - May 1952 progress report

Please find enclosed five copies of the above progress report, form MF-104, with narrative, progress map, payroll, equipment list, and subcontractor's receipt, and seven copies of R. L. Bolmer's memorandum report covering inspection of the underground progress and accounts.

Your attention is called to a $100.00 disallowance for blower repair work which should have been deducted from the April account and $390.96 for the same type of work in May. Both are deducted this month with my approval on the premise that operating equipment furnished by the contractor with depreciation charged to the project should be in operating condition.

Deducting $490.96 from the $5,537.86 claimed by the contractor leaves $5,046.90. Payment of 50 percent of this amount, or $2,523.45 is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc: 4
AHKoschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

June 30, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Denver, Colorado - May 1952 progress report.

The corporation's Dauntless tunnel operation, Park County, Colorado, was visited June 24, 1952. Progress under the subject contract was inspected with Duke A. Beals, a subcontractor. The 135-foot advance reported last period was verified. The 115 feet of advance during May is correct as reported in Prommel's narrative. The face of the tunnel was 1,751 feet inby the portal at the end of May. On the date of inspection, the face had been advanced an additional 96 feet or to 1,847 feet inby the portal and was still in porphyry.

During the four months, February through May 1952, 358 feet of drifting has been accomplished under contract Idm-E250 at an overall cost of $20,351.48. The unit cost of this work, $56.85 per foot, exceeds the contract estimated unit cost of $45.00 per foot by about 26 percent. This increase has resulted from the corporation's attempt to operate at such high altitudes during the winter months. The excessive costs attributed to severe weather conditions should end with this period. The subcontractor's attempt to work a second shift in the tunnel has been only partly successful because of the quantity and quality of manpower available in the district. Unit costs for the remaining 542 feet of drifting under Phase I are not expected to be reduced appreciably unless the labor situation improves.

The project's May accounts were checked in Denver, June 25, 1952, with B. L. Wright, Jr., secretary. Following is an explanation of the project costs as itemized in the May MF-104's:

Item 2 (c), Operating equipment furnished by the operator: $613.49 is the monthly depreciation claimed for equipment furnished by the operator. The equipment listed and the monthly rate charged are allowable under the contract or amendments thereto. Depreciation on a D7 bulldozer was not charged this period as it was not in use.

Item 3 (d), Rehabilitation and Repairs to Fixtures. Compressor: $120.95 is the cost of rods, bearings and other repair parts on the small compressor. This compressor has been used on the project four months and these repairs are considered allowable. Miscellaneous Repair: $669.96 includes $100.00 for hauling lumber to the mine, $60.00 for hauling ventilation pipe to the mine, and $2.00 for a repair job on an electrical drill. In part, these charges are more correctly transportation costs. They are approved. The remainder of this item, $507.96, includes rehabilitation and repair (labor, material and repair parts), transportation to the mine, and installation in the mine of a Roots blower and electric motor. The company purchased this equipment outright for $800.00, and, beginning last month, has been charging a monthly depreciation of $13.33 against the project. There are no provisions in the contract for putting this equipment in operating condition before it is placed on the job. The operator is responsible for getting the equipment to the project and putting it in operating condition before depreciation can be paid on it. Therefore, rehabilitation, repair, and transportation costs, or $390.96, are disallowed. The $117.00 approved was paid for installation in the mine of the blower, motor, and electrical circuit and for work on the ventilation system. In the April MF-104 form, $153.81 listed under this item for miscellaneous repair was approved in the amount of $123.81. Most of this amount, or $100.00, was paid for repair parts, material, and labor on the above blower and motor. It should have been disallowed and is deducted from this month's account.

Item 4, Labor: $453.75, the gross amount paid for labor as per the attached copy of the payroll, is allowed.

Item 6, Supplies: $223.52 includes the cost of gasoline, lubricating and motor oil, antifreeze, oxygen, and acetylene, et cetera. These miscellaneous supplies were substantiated by invoice and are allowed.

Item 8, Transportation: $6.18 is the allowable freight charges paid on small repair parts or supplies shipped from Denver.

Item 10, Contract Work: $3,300.00 is the amount paid Beals and Van Cooten, subcontractors, for 100 feet of drifting at a rate of $33.00 per foot. Receipts from the subcontractors for payment received for this work are attached. One hundred fifteen feet of drift was completed this period, but payment is made at the completion of each 100 feet.

Item 11, Other. Bookkeeping: $50.00 is the allowable monthly charge for this service. Caterpillar Rent: $100.00 is the amount paid for the rental of a bulldozer for opening the access road to the mine. It was paid to Park County and included equipment and operator. Such rental, not to exceed $400.00, is allowable under an amendment while the operator's equipment is being repaired.

Project costs for this period in the amount of $5,046.90 are approved. Disallowances made from the $5,537.86 amount claimed by the contractor total $490.96 and include $390.96 for rehabilitation repair and transportation of the blower and motor, and $100.00 claimed in April and previously approved for the same items. Payment to the contractor of 50 percent of the approved cost, or $2,523.45, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc: 6
AEKoschmann
E250
DMEA Chron.

DEALS & VAN COOTEN
Alma, Colorado

May 27, 1952

Leadville Lead Corporation
500 I & C Building
Denver, Colorado

Gentlemen:

This will acknowledge receipt of your $3,500.00, which is payment in full for the second 100 foot drive under our contract with you dated the 17th day of March, 1952.

Yours very truly,

DEALS & VAN COOTEN

BY:

W. E. Van Cooten.

W. E. Van Cooten

[illegible] EQUIPMENT

Item	Value	Allowance per Month
1 Fairbanks Morse [illegible]	3000	51.00
1 215 cfm C. F. Compressor	4875	31.00
1 305 cfm. C. F. Compressor	6750	113.00
1 25 KW Diesel-Electric Generator	3975	66.00
12 30 cu. ft. side dump cars	3000	65.00
2 Air locomotives	3000	50.00
1 Studebaker [illegible] Diesel	1500	26.16
1 Denton car transfer	450	7.50
20 Wiser electric carp lamps	450	7.50
1 [illegible] pump 1 hp.	340	6.00
1 Cleveland drill jumbo	1275	21.00
2 CP 75 air drills	1650	25.00
1 CP Jackhammer	500	8.00
1 CP breaking machine	2040	34.00
1 No. 8 Roots High Pressure Blower, Motor & Starter	900	15.33

Location: [illegible]

Payroll

NAME
John Burton (Mine[illegible]
Co. man, repairs
Richard Peterson
Co. man, Vent li[illegible]
Jerry Calloway ([illegible]
Co. man, Dump
Art Flannigan (Mo[illegible]
ork in opening [illegible]
Payrol[illegible]
[illegible]. R. Fahey ([illegible]inc[illegible]
ork on Dump
Johnny O'Failia ([illegible]
Dump
Jack Burton (Minc[illegible]
Dump
Gerald Calloway ([illegible]
Clean up drift [illegible]
William [illegible]. O'Fail[illegible]
Dump
Payrol[illegible]
Richard Peterson([illegible]
Co. man work on [illegible]
Frances Blaney ([illegible]
T. A. Kimery ([illegible]in
Co. Man Cleanup [illegible]
Francis Blaney ([illegible]
Co. man work on [illegible]
Payrol[illegible]
T. A. Kimery (Min[illegible]
Co. man Clean up[illegible]
Rube Phillips ([illegible]
Co. man work on [illegible]

Report No. 4
Written June 16, 1952.

In re: Docket No. DMA 1463X
Lead-Zinc.

LEADVILLE LEAD CORPORATION

Narrative Report on Operations of the Dauntless Tunnel, Park County, Colorado.

For the Month of

M A Y

1 9 5 2

On May 1st., 1952, the face of the Dauntless tunnel was 1636 feet from the portal. On May 31st., 1952, the face of the tunnel was 1751 feet from the portal, so that the advance during May was 115 feet. Various factors contributed to make the advance for May less than that for April, although at the beginning of the month it was hoped that a better advance would be made during May than during the preceding month. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during May 1952, is as follows:

Work advancing the face of the tunnel was done May 1 - 3 incl., 9 - 17 incl., 20 - 21 incl., May 24, and May 26 - 29 incl. for a period of 19 days only. 12 days were lost due to absenteeism of crew and bad weather conditions during the latter part of May.

The road from Leavick to the Dauntless tunnel portal was opened by the county during the first week in May. From May 15 to 23 stormy weather and wind driven snows closed the road again for truck travel, and cuts through snowbanks, the deepest 20 feet deep near the center and about 10 ft. near the ends and approximately 400 feet long, partially filled with snow again,

making truck travel impossible for the time being, so that the weasel had to be resorted to again. On May 29th. the weasel hit a soft snow spot, turned over and caught fire before the ignition could be turned off. The weasel was transporting a load of coal and groceries from the tunnel portal to the bunkhouse at the time. The caterpillar still being out of repair, there was no equipment at the mine to open the road and the county equipment was busy elsewhere. A bulldozer was rented during the first days in June and the road to the tunnel was again opened to truck travel.

Work in the tunnel was done partly on a one shift basis and whenever possible, on a two shift basis. All driving during May was still in porphyry. Mr. Frommel, consulting engineer, spent several days at the tunnel during the latter part of May and measured the tunnel from portal to face and marking distances every 100 feet prior to geological work. A small office with drafting table was established in the bunk house, a 1" to 40' geologic working map of the tunnel was started, but little could be done in the tunnel due to labor shortage. It is hoped geological work will get under way again during June, as such work must be done prior to the driving of raises and laying out of diamond drill holes to be undertaken as stage 2 of the DMEA contract.

Temperatures during the month varied from 10 to 45 degr. F. and the melt started during the latter part of the month, snow water running at the surface during the mid-day hours.

An average of 6.2 men working an equivalent of 26 eight hour days each put in a total of 1290 men hours against 1585 man hours in April. Opening of the fishing season in Colorado and Memorial day holiday helped to shorten the number of working days during the month. 23 rounds of holes (aver. 28 holes per round) were drilled and blasted in the tunnel during May. A total of 645 holes were drilled, 2290 lbs. (approx.) of powder were used. The 23 rounds resulted in 415 thirty cubic foot cars of muck which were removed from the tunnel by the air locomotives making 147 trips. The average advance per round drilled was only 5 ft., as against 6.43 ft. during April.

Time distribution on a man hour and percentage basis for May is as follows:

	m.h.	m. h.	% of total m.h.
Freighting.			
Hauling timbers, supplies and digging out of snow		68.00	5.3 %
Dump.			
Building trestle, shifting rails		120.00	9.3 %
Repairs, Upkeep.			
Buildings	8.00		
Weasel	32.00		
General repairs equipment	100.00		
Track	4.00		
Ventilation	28.00	172.00	13.3 %
Timbering		23.00	1.8 %
Tunnel Heading			
Drilling	294.00		
Mucking	294.00		
Tramming	103.00		
Compressor	186.00	877.00	68.0 %
Supervision			
W. W. Van Cooten	30.00	30.00	2.3 %
		1290.00 m.H.	100.0 %

The percentage of time spent each month on actual tunnel driving as compared to other items, such as repairs, upkeep, freighting etc. is gradually increasing. While more headway was made during April only 53% of total time was spent on the tunnel heading against 66% during May. As weather conditions improve, this figure should continue to increase.

The above report is based on diary entries and time record sheets kept by E. E. Van Costen at the mine and checked by H. H. C. Prommel. It is hoped that from now on the road can be kept open permanently. Nevertheless, the caterpillar bulldozer and the weasel should be repaired speedily. The bulldozer will be needed to open roads above the Dauntless tunnel and the weasel should be ready for any emergencies which may arise due to unexpected late spring or early summer storms.

Maurine Beck was employed by the company as bookkeeper at $87.50 a week. $50.00 of this sum is claimed in the form 104.

Leadville Lead Corporation
By Harald H. C. Prommel
Consulting Engineer.

Ben Llewight Jr.

Denver, Colorado
June 16, 1952.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 250

Name of Operator Leadville Lead Corporation
Docket No. DMA 1463X
Total Contract Amount $ 100,800
Government Participation: 50 % Amount, $ 50,400
Distribution of Expenditures for Month of April 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 26 1952

CERTIFICATION

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

LEADVILLE LEAD CORPORATION
(Name of Company)

By Ben Fleright, Jr.
(Signature of Authorized Official)

May 12, 1952
(Date)

Secretary
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
~~See Attached sheet~~	~~690.33~~	~~1331.24~~	~~2021.57~~			
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
See attached sheet	690.33	1331.24	2021.57	689.49	1331.24	2020.73
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
Quonset		20.00	20.00		20.00	20.00
(c) Installations						

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

224 New Customhouse
Denver 2, Colorado

Administrative Audit Difference Statement

Date: June 9, 1952
Payee's Reference: Progress Report - April, 1952

Leadville Lead Corporation
500 Ernest & Cranmer Building
Denver, Colorado

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

Amount claimed $ 10,795.67

Difference $ 133.67

Amount Approved $ 10,662.00

The reason for the difference was due to:

Overcharge on depreciation of blower	$0.84
Not substantiated by invoice (Items 3(d) and 6(d)	30.01
Liability Insurance (General Overhead)	47.20
Transportation (Deduction explained below)	55.62
	133.67

We are disallowing the cost of transporting the Weasel from Pueblo to Fairplay for we consider the cost oftransportation in this case as part of capital outlay.

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures Compressor	90.19	137.49	227.68	90.19	137.49	227.68
Catepillar repair	150.00	278.47	428.47	150.00	278.47	428.47
Weasel repair	24.10	48.74	72.84	24.10	48.74	72.84
Misc. repair						
Blower grinder, etx.	153.81	38.14	191.95	123.81	38.14	161.95
4. Labor (Payroll sheets)	823.66	782.01	1605.67	823.66	782.01	1605.67
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	–	398.05	398.05		398.05	398.05
(d) Other	164.26	217.73	381.99	164.25	217.73	381.98
7. Power						
8. Transportation	55.62	9.68	65.30		9.68	9.68
9. Insurance						
(a) Fire)						
(b) Public Liability)	47.20	94.40	141.60		94.40	94.40
(c) Workmen's Compensation						
10. Contract Work	8305.00		8305.00	8305.00		8305.00
11. Other (specify)						
Bookkeeping	50.00	100.00	150.00	50.00	100.00	150.00
Engineering	241.50	67.00	308.50	241.50	67.00	308.50
Total	1079567	3522.95	14318.62	~~10662.00~~	~~3522.95~~	~~14184.95~~
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	1079567	3522.95	14318.62	10662.00	3522.95	14184.95

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by R. L. Bolmer
Amount approved for payment ~~$5,358.81~~ $5356.81 ~~$5358.~~ $5331.00
Remarks

16—64068-3

Schedule DMA 52-58
June 11, 1952
5331.00

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	823.66	1108.43	164.26	8699.32	10795.67	feet	243		243	900
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Mining Division
Region IV

June 2, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of April, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported		$10,795.67
Disallowances:		
Overcharge on depreciation of blower	$0.84	
Not substantiated by invoice, Items 3(d) and 6(d)	30.01	
Liability Insurance (General Overhead)	47.20	
Transportation (Deduction explained below)	55.62	
		$10,662.00
Government participation, 50 percent		$5,331.00

We are disallowing the cost of transporting the Weasel from Pueblo to Fairplay for we consider the cost of transportation in this case as part of capital outlay. If we had participated in the purchase price of this piece of equipment we could then participate in the transportation costs. Amendment No. 2, dated April 4, 1952, shows the Weasel "To be furnished by the Operator" with the Government participating in monthly depreciation.

WLD:oc
cc: Secretary to the Operating Committee
Contract
Chron.
Traver
Koschmann (2)

W. H. King

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

May 27, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado April 1952 progress report

Please find enclosed four copies of the above report, form MF-104, with payroll, narrative, depreciation allowance list, engineer's services statement, and subcontractor's payment receipt, and six copies of R. L. Bolmer's memorandum covering his attempted inspection of the underground progress and company accounts.

Bolmer disallows $78.05, reducing the contractor's claim from $10,795.67 to $10,717.62, and approves payment of 50 percent of the $10,717.62 remaining, $5,358.81.

The elevation at the portal of the Dauntless tunnel is 12,300 feet and underground progress could not be inspected on May 21, due to a recent snowstorm. The April and May progress will both be verified after the latter monthly forms are received.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 3
AHKoschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

May 27, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Denver, Colorado - April 1952 progress report

An attempt was made on May 21, 1952, to inspect the company's operation in Park County, Colorado; however, the heavy and continued spring snowfall at higher altitudes had blocked access to the mine. Progress under the above contract, as reported in H. W. C. Frommel's narrative, is considered accurate; it will be verified on the next monthly inspection.

The Dauntless tunnel was reported advanced 135 feet during April. Total advance under contract Idm-E250 was 243 feet as of April 30, 1952. (The tunnel face on that date was 610 feet inby survey station 3.) Of the total advance, 143 feet was performed between February 1 and April 12, 1952. This advance completed 500 feet of drifting under a subcontract dated October 22, 1951. One hundred feet of advance was performed between April 12 and April 30, 1952, under a new subcontract dated March 17, 1952.

The operator's April accounts were checked in Denver on May 22, 1952, with B. L. Wright, Jr., secretary. The following comments are made regarding the operator's MF-104 forms for April:

Item 2 (a), Equipment furnished by operator, $690.33. The monthly depreciation claimed for equipment furnished by the operator has been itemized on an attached sheet. The equipment listed and the monthly depreciation rate charged are allowable under the contract or amendments thereto, except for the last item, a No. 2 Roots blower at $14.17. An amendment, retroactive to April 1, 1952, is being processed to allow depreciation on this blower at a rate of $13.33 per month. The difference between the amount claimed and the amount which will be allowable, $0.84, is disallowed.

Item 3 (d), Repair to fixtures. The amounts $90.19, $150.00, and $24.10 were substantiated by invoices and consist of repair labor and parts on compressor, caterpillar, and weasel. Miscellaneous repair, $153.81, is mostly for repair labor on other equipment, but does include some small tools and supply repair parts. Only $123.81 of this amount could be substantiated by invoice; therefore, the difference, $30.00, is disallowed.

Item 4, Labor: $823.66 is the gross amount paid for labor as per the attached copy of payroll. One full time employee is allowable under an amendment to the contract and another amendment, which will be retroactive, is being processed to allow maintenance work not covered under the drifting subcontract.

Item 6 (d), Supplies, other, $164.26, includes fire extinguishers, small tools, gasoline, and other miscellaneous supplies. Invoices covering these items totaled only $164.25; $0.01, therefore, is disallowed.

Item 8, Transportation, $55.62, covers transportation of a weasel from Pueblo to Fairplay by a public carrier. The amount was substantiated by invoice and is allowable under the contract.

Item 9, Insurance, $47.20, is a monthly premium for public liability and fire insurance on equipment and facilities. It is considered an item of general overhead expense, and, as such, is not allowable under the contract. The full amount is disallowed.

Item 10, Contract, $8,305.00, is correct in amount. It represents 143 feet of drifting performed between February 1 and April 12, 1952, at a rate of $3,500.00 per 100 feet and 100 feet of drifting performed between April 12 and April 30, 1952, at a rate of $3,300.00 per 100 feet. The drifting subcontracts under which the above work was performed are dated October 22, 1951, and March 17, 1952, respectively, and are approved under contract Idm-E250 or amendments thereto. Receipts from the subcontractor for payment received for this work are attached.

Item 11, Bookkeeping at a monthly rate of $50.00 is allowable under an amendment. Engineering, $241.00, is correct per the attached statement from H. W. S. Freund, consulting engineer, for services rendered during March 1952.

Project costs for this period in the amount of $10,717.62 are approved. Disallowances made from the $10,795.67 amount claimed by the contractor total $78.05 and include $0.84,

Item 2 (d). Repair to fixtures. The amounts $90.12, $120.30, and $81.10 were overstatements by laborers and members of regular labor and parts on compressor, scavenging and vessel. Miscellaneous repair, $125.01, is mostly for regular labor on other equipment, but does include some small tools and supply regular parts. Only $25.01 of this amount could be substantiated by invoices; therefore, the difference, $30.00, is disallowed.

Item 3. Labor $257.66 is the gross amount paid for labor as yet not accounted only at payroll. One full time employee is allowance or an overhead to the contractor and another overhead, which will be retroactive, is being processed to allow maintenance work not covered under the drilling subcontract.

Item 4 (a). Supplies, other. $184.25, includes fire extinguishers, small tools, gasoline, and other miscellaneous supplies. Invoices covering these items totaled only $104.25; $80.00, therefore, is disallowed.

Item 5. Transportation, $85.52. covers overnightation of a vessel from Pacific to Tampico, by a public carrier. The amount was substantiated by invoices and is allowable under the contract.

Item 7. Insurance, $47.20, is a monthly premium for public liability and fire insurance on equipment and facilities. It is considered to item of general overhead expense, and, as such, is not allowable under the contract. The full amount is disallowed.

Item 10. Contract, $2,272.00, is compensation to engineer. It represents 142 hours of drilling performed between February 1 and April 16, 1952, at a rate of $16.00 per 100 feet and 100 feet of drilling performed between April 16 and April 30, 1952, at a rate of $20.00 per 100 feet. The drilling subcontract under which the above work was performed was dated October 24, 1951, and March 17, 1952, respectively, and are approved under contract IDA-2202 of amendments dated [illegible]. Therefore, the subcontractor for drilling received for this work are allowable.

Item 11. Scavenging at a monthly rate of $20.00 is allowable under an agreement. Engineering, $241.00, is covered by the published statement from E.W.C. Foundrel, consulting engineer, for services rendered during March 1952.

Projects costs for that period in the amount of $2,[illegible] were approved. Disallowances made from the $2,[illegible] amount claimed by the contractor total $73.05 and include $0.00,

equipment; $30.00, repairs to fixtures; $0.01, supplies; and $47.20 insurance. Payment to the contractor of 50 percent of the approved costs, or $5,358.81, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc 5
AHKeschmann
E250
DMBA Ohren.

May 14, 1952

Mr. Wm. Grover, Jr.
Chief, Colorado Branch
Mining Division
Bureau of Mines
Building 80 - Denver Federal Center
Denver 14, Colorado

Dear Mr. Grover:

Enclosed herewith please find quadruplicate report No. 109 for the month of April, 1952, included as part of the No. 106 are copies of the Monthly and Daily April, Payroll Sheets, tps showing advance of the tunnel, receipts from Wells and Van Winkle for payment of tunnel advance, a bill for our Engineer and a narrative report.

As explained to you in our letter of May 1, 1951 our April report covers all of the tunnel advance made from the beginning of the contract through the end of April. 145 feet of this advance were covered by a contract with Wells and Van Winkle dated the 22nd day of October, 1951. This contract was completed on April 10, 1952. The payment for each 100 feet advance under said contract was $5000.00. During the month the first 100 feet advance under contract dated the 17th day of March 1952 was completed and $5000.00 paid for such advance. The contract dated October 22, 1951, provided for certain penalties if the contract was not completed by a certain date. The Company has waived any claim for any penalty under said contract inasmuch as the Company was partially responsible for the slow-down in work and conditions unforeseen by either Wells and Van Winkle or the Company made completion of the contract by the date specified impossible.

Yours very truly,

[illegible]

By:

Secretary.

[illegible]:rd
encls.

BEALS AND VAN COOTEN
ALMA, COLORADO

APRIL 23, 1952

C
O
P
Y

Leadville Lead Corporation

500 L. & C. BUILDING

DENVER, COLORADO

GENTLEMEN:

This will acknowledge receipt of payment in full of any and all sums due to us under contract dated the 22nd day of October 1951 for the fourth one hundred (100) foot drive under said contract. The last forty-three (43) feet of this drive was completed during the month of February 1952. The amount paid for the fourth one hundred (100) foot drive to us under this contract dated the 22nd day of October 1951 was $3500.00 as provided in said contract.

Yours very truly

BEALS & VAN COOTEN

By (Signed) Wm H. Van Cooten
W. H. Van Cooten

BEALS AND VAN COOTEN
ALMA, COLORADO

April 23, 1952

C
O
P
Y

Leadville Lead Corporation

500 E. & C. Building

Denver, Colorado

Gentlemen:

This will acknowledge receipt of full payment of all sums due for completion of five hundred (500) feet of tunnel under contract dated the 22nd day of October 1951. This contract was completed on April 12, 1952. We have received $3500.00 representing payment of the fifth one hundred (100) foot drive under said five hundred (500) foot contract.

Yours very truly,

BEALS AND VAN COOTEN

By (Signed) Wm F. Van Cooten
W. F. Van Cooten

[illegible] AND VAN [illegible]
[illegible], [illegible]

April 30, 1952

Leadville Lead Corporation

800 [illegible] & G. Building

Denver, Colorado

Gentlemen:

This will acknowledge receipt of $800.00 for the first One hundred (100) feet advance of tunnel under our contract dated the 17th day of March 1952. Work began on this contract on or about April 12, 1952 and the one hundred (100) foot advance was completed as of today.

Yours very truly

[illegible] AND VAN [illegible]

By (SGD) [illegible] Van Cooten
[illegible] Van Cooten

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible] Allowance per Month
1	7[illegible] Caterpillar	4600	70.00
1	Dodge power wagon	3[illegible]0	51.00
1	115 cfm. [illegible] Compressor	4075	61.00
1	365 cfm. [illegible]	9350	110.00
1	25 [illegible] Diesel-electric Generator	3075	66.00
12	50 cu. ft. side dump cars	5300	65.00
2	Air locomotives	5[illegible]0	60.00
1	Studebaker [illegible]-[illegible] diesel	1500	24.10
1	Proctor car transfer	480	7.50
20	Gleason electric carp lamps	400	7.50
1	[illegible] pump 1 hp.	360	6.00
1	Joy[illegible] Drill jumbo	1175	21.00
2	[illegible] 75 Air drills	1500	25.00
1	[illegible] Jackhammer	350	6.00
1	[illegible] Mucking machine	5040	84.00
1	No. 8 Roots High Pressure Blower, [illegible]otor [illegible] Starter	800	13.33 ~~14.17~~

Located: LEAVITTS LEAD CORPORATION

Payroll for week ending April 5, 1952 Date Paid

NAME	Days or Dates 30	31	1	2	3	4	5	TOTAL TIME	OVER TIME	RATE PER HOUR
Richard Peterson (Miner) Company man as per new contract	0	8	8	8	8	8	8	48	2.63	1.75
R. L. Robeson (Miner) Helper getting blower from Fairplay to Leavick	0	0	0	0	0	0	8	8		1.75

Payroll for week ending April 12, 1952 Date Paid

NAME	6	7	8	9	10	11	12	TOTAL TIME	OVER TIME	RATE PER HOUR
Jack Burton (Miner) Installing air vent door	0	0	8	0	0	0	0	8		1.75
Richard Peterson (Miner) Helper on Installation of Blower	0	0	8	8	8	0	0	24		1.75
John Burton (Miner 8 hrs.) Installing air vent door Helper on installation of Blower	0	0	0	8	8	0	0	16		1.75
W.R.Bahey (Miner) Hauling Blower from Leavick to mine	0	10	0	0	0	0	0	10		1.75
Ralph McLaughlin (Miner) Co. man as per contract ½ week	0	0	0	0	8	8	8	24		1.75
Johnny O'Hailia (Miner) ½ week Co. man as per contract	0	3	8	8	0	0	0	24		1.75

Payroll for week ending April 19, 1952 Date Paid

NAME	13	14	15	16	17	18	19	TOTAL TIME	OVER TIME	RATE PER HOUR
Ralph McLanghlin (Miner) Gen. Repair & Dump work Co. man as per contract	8	8	8	8	8	8	8	56		1.75

Payroll for week ending April 26, 1952 Date Paid

NAME	20	21	22	23	24	25	26	TOTAL TIME	OVER TIME	RATE PER HOUR
Ralph McLanghlin (Miner) Co. man as per contract	0	0	8	8	8	8	8	40		1.75
Art Flannigan (Mechanic) Work on cat. & opening road from Leavick to mine	0	0	0	8	8	8	8	32		2.00

SALARY OR WAGES	OVER TIME	TOTAL	Old Age Soc.Ins.	With-holding TAX	BOARD	ADVANCE	TOTAL	NET AMOUNT PAID
$70.00	$21.04	$ 91.04	$1.37	$15.60	$21.00		$37.97	$ 53.07
$14.00		$ 14.00	$ .21	none	none		.21	13.79
$14.00		$ 14.00	$ .21				$ .21	$ 13.79
$42.00		$ 42.00	$ .63	$ 5.90			$ 6.53	$ 35.47
$28.00		$ 28.00	$ .42	none		$10.00	$ .42	$ 17.58
$17.50		$ 17.50	$ .26	$ .90			$ 1.16	$ 16.34
$42.00		$ 42.00	$ .63	$ none	$ 9.00		$ 9.63	$ 32.37
$42.00		$42.00	$ .63	$ .80	$ 9.00		$10.43	$ 31.57
$70.00	$42.08	$112.08	$1.68	$ 9.70	$21.00		$32.38	$ 79.70
$70.00		$ 70.00	$1.05	$ 1.40	$16.00		$18.45	$ 51.55
$64.00		$ 64.00	$ .96	$ 7.90	$12.00		$20.86	$ 43.14

Location: [illegible]

Payroll for week ending March 22, 1952 Date Paid March , 1952

NAME	Days or Dates 16	17	18	19	20	21	22	Total Hrs.	Rate Per Hour	Net Pay
Richard Peterson (Miner) SS [illegible] 24 0700 Moving Blower from Wakonik 111	0	0	0	0	8	8	8	24		1.75

Payroll for week ending March 29, 1952 Date Paid April , 1952

NAME	16	17	18	19	20	21	22	Total Hrs.	Rate Per Hour	Net Pay
Richard Peterson (Miner) Clean up work 24 hrs. Preparing for Blower installation 24 hrs.	0	8	8	8	8	8	0	40	2.68	1.75
John [illegible] Burton (Miner) SS 07 6602 Installing starting motor on Jet. 20 hrs. Clearing out for Blower 24 hrs.	0	8	4	8	8	8	8	44	2.68	1.75
Jack Burton (Miner) SS [illegible] 24 [illegible] Clearing out for blower	0	0	0	0	8	8	8	24	2.68	1.75
[illegible] E. Robeson (Miner) SS [illegible] 07 [illegible] Clearing - Clearing out for Blower	0	0	0	0	4	8	8	20	2.68	1.75

[illegible]

[illegible]	[illegible]	TOTAL	Old Age Sec. Ins.	With-holding Tax	[illegible]	[illegible]	[illegible]	NET AMOUNT PAID
42.00		42.00	.63	5.00	[illegible]		6.63	35.47
70.00	11.04	81.04	1.36	15.00	21.00		37.36	53.68
70.00	7.00	77.00	1.15	5.10	13.00		24.25	52.75
42.00		42.00	.63	.00	10.37		10.00	30.00
35.00		35.00	.52		7.00		7.52	27.48

April 5
1952

Leadville Lead Corporation
500 Ernest & Cranmer Building
17th & Curtis Streets
Denver 2, Colorado

H. G. S. Prommel
731 South Downing St.
Denver 9,
Colorado

B I L L

ADVISE Professional services during March, as per agreement.
1952

Consultations on prospectus, Conferences Wright, Beaver, Bishop, Adams and Beale, Pat Cooten, Wright on new tunnel contract, correspondence on contemplated survey work 1.32 days @ 50.00		66.00
On work in connection with operations at Gauntlee tunnel, February narrative report and expense distributions, setting up monthly and daily record sheets. 4.83 days @ 50.00	241.50	241.50
Expenses		
Telephone calls, Denver-Alma	1.48	
Parking and transportation	1.70	
6 sq. ft. Broadwood for records	.72	
4 holders @ 5¢, 4 clamps @ 10¢	.60	6.50
Balance due H. G. S. Prommel for March		313.00

Report No. 3
Written May 9, 1952

In re: Docket No. [illegible] 16638
Lead-Line

[illegible] [illegible] CORPORATION

Narrative Report on Operations at the Dauntless Tunnel, Park County, Colorado

For the Month of

A P R I L

1952

On April 1st, 1952, the face of the Dauntless tunnel was 1501 feet from the portal. On April 30th. 1952, the face of the tunnel was 1636 feet from the portal, so that the advance during April was 135 ft. Of this advance, the first 35 ft. finished the 500 ft. contract for tunnel drive, while the remaining 100 ft. represent the first 100 ft. of the 700 ft. contract. A narrative report covering work done at the tunnel, at elevation of 12,300 feet above sea level, during April 1952, is as follows:

Work advancing the face of the tunnel was done from April 1 to 12 incl., from April 16 to 25 incl. and on April 30. Interruptions in driving were due to storms, weekend layoff, and breakage of water line feeding sump for drilling water circulation system. All work was still done on a one shift basis as due to labor turnover sufficient men for two crews could not be maintained. All driving during April was still in porphyry. At 1586 ft. approx. from the portal a 1 to 1½ inch stringer of quartz crossing the course of the tunnel was encountered in the porphyry. The quartz is vuggy, shows some iron sulphides as well as some oxidation and bluish quartz stringers in the groundmass. A sample of the quartz taken by Mr. R.T.S. Prommel and assayed by Charles S. Parker and Co. of Denver showed the following values:

Gold, 0.24 oz. Silver 1.06 oz. Lead, Trace. Zinc 0.38 %

On North Star Mountain near Hoosier Pass some 6 miles north of Alma, oxide and sulphide ore bodies have been found above and below porphyry sills, grading into narrow stringers in the porphyry itself. While it cannot be foretold that conditions will be similar in the vicinity of the Dauntless tunnel, future exploration work by raising and sinking or diamond drilling into the sedimentary beds which should overlie as well as underlie the porphyry sill at this location, is warranted.

A short distance to the west of above stringer, the tunnel passed through a fault or slip showing 18 inches of apparently non-mineralized gouge material which has not as yet been inspected, sampled or assayed. It is hoped that during May geological work and sampling can be started in the tunnel.

Weather conditions during April were decidedly more favorable than during March, and during the latter part of the month the snow weasels experienced some difficulty with rotting of packed snow so that it would not support the loads. Lowing out of the automobile road was commenced as soon as the company caterpillar had been repaired during the latter part of April. However, this work again had to be abandoned due to a steering clutch on the caterpillar giving way, so that the clearing of the road for truck transportation had to be delayed until the early part of May when the county equipment took up this work.

During April the Foot Blower was moved from Marco to Leavick on a sled pulled by one weasel. From Leavick to within about 600 feet of the Dauntless tunnel, two snow weasels were hitched to the sled. For the last steep pull to the tunnel the weasels were hitched to a cable of the Dodge power wagon winch, the power wagon having been marooned at the Dauntless tunnel due to heavy snows. By April 17th. the blower had been installed in the tunnel at the Dauntless crosscut and started to operate. Ventilation pipe purchased at Silver Plume had also been taken to the tunnel portal by snow weasel from Leavick. During the whole month of April, fuel oil, gasoline, dynamite, coal and groceries still had to be transported from Leavick to the Dauntless tunnel by snow weasel.

Stormy weather prevailed from April 1 to 3 with temperatures of minus 10 to plus 40 degrees Fahrenheit and from April 20 to 22 incl. with temperatures from 20 to 40 degrees F. Weather conditions were favorable the rest of the time so that better headway could be made during the month.

On April 10th. Mr. Fremmel went from Fairplay to the Dauntless tunnel. He was accompanied by Messrs. Clarence Horror and J. E. Elmer of the U. S. Bureau of Mines. The trip was made by car from Fairplay to Leavick and thence by snow weasel to the Dauntless tunnel portal. Underground workings were inspected and the advance of the tunnel was measured.

A complete shutdown of all work in connection with the tunnel occurred on one day only during April. An average of 6.85 men working an equivalent of 20 eight hour days each put in a total of 1368 man hours, against 1190 man hours during March. 21 rounds of holes were drilled and blasted in the tunnel during April. 574 holes were drilled, 2088 lbs. of powder (approx) were used. The 21 rounds resulted in 474 thirty cu. ft. cars of muck which were removed from the tunnel by the air locomotives making 187 trips.

Average figures per round of ground broken are as follows:

Man hours drilling and blasting	12.14	m.h.
" " mucking	14.24	"
" " tracking	4.07	"
" " compressor	8.95	"
Advance in feet	6.43	feet
Number of holes	27.3	holes
Lbs. of dynamite	97.0	lbs.
Number of electric primers	26.3	primers
Number of 30 cu. ft. cars of muck	23.6	cars
Number of trips (3 cars per trip)	7.5	trips

The distribution on a man hour and percentage basis for April is as follows:

			m.h.	m.h.	%
Freighting					
Hauling supplies, Fairplay and Leavick to tunnel			108		
Hauling blower, Parco to Tunnel			30	138	8.7%
Bokeep					
Road	Plowing snow, Leavick-tunnel		40		
Dump	Shoveling snow	32			
	Rails and trestle	34	116		
Tunnel	Track	8			
	Timbering	16			
	Placing vent pipe & blower	24			
	Pipe line (water sump line)	36	144	3[illegible]	18.[illegible]%
Repairs Equipment					
Buildings			104		
Hoist			21		
Generator			8		
Mucking machine			16		
General repairs			110	259	16.4%
Tunnel Heading					
Drilling, loading, blasting			255		
Mucking			3[illegible]		
Tracking			3[illegible]		
Compressor			1[illegible]	3[illegible]	23.0%
Supervision					
[illegible] Van Cooten			48	48	3.0%
		Total man hours		1585	100.0%

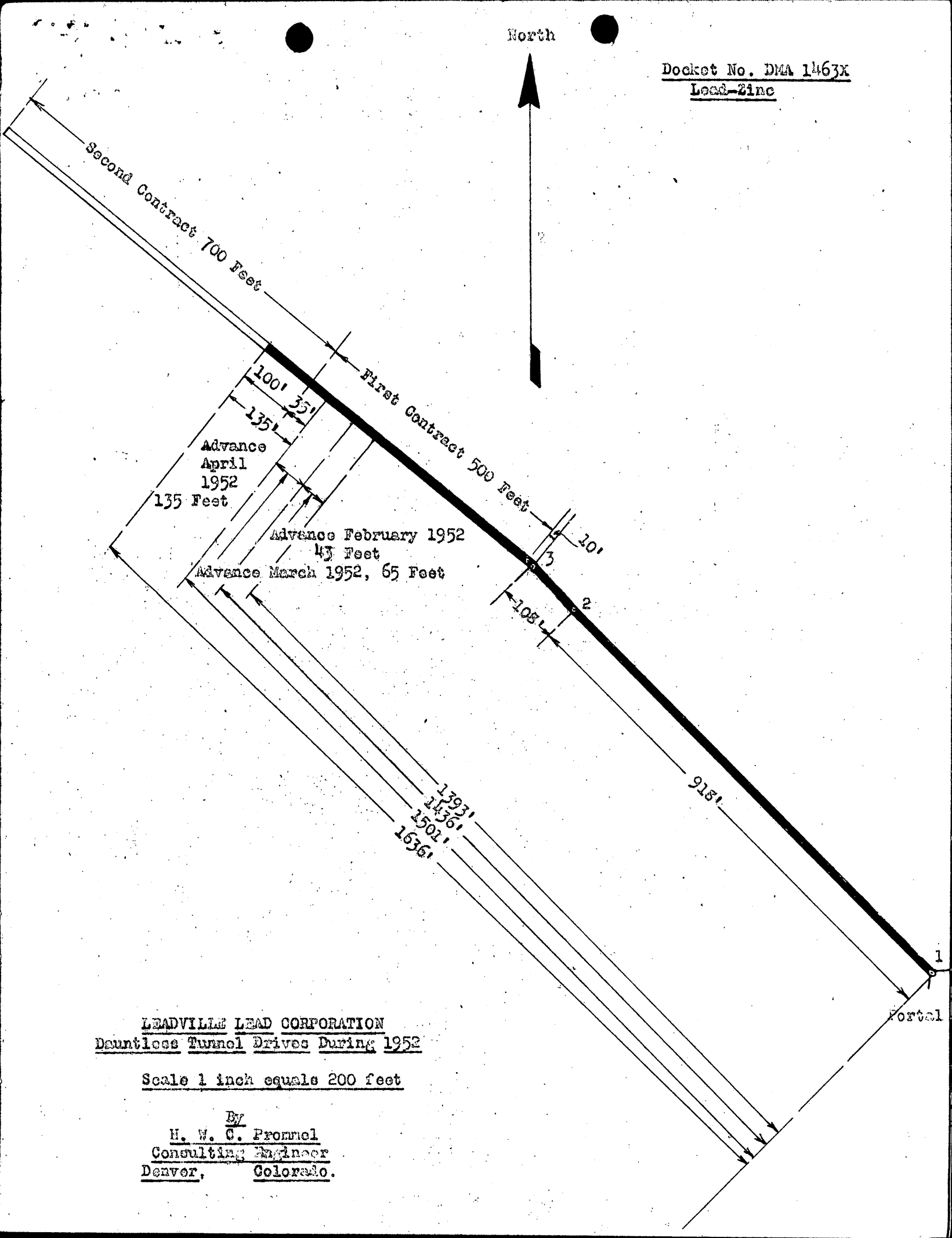
The above report is based on diary entries and time record sheets kept by [illegible] Van Cooton at the mine and checked by H. [illegible] C. Fromel. Heading advance in April was slightly better than twice the amount for March. With opening of the auto road and possibility of two shifts for at least a part of the month, monthly advance should again increase for May.

Maurine Beck was employed by company as bookkeeper at $27.50 a week. $0.00 of this sum is claimed in the form 104.

[illegible]
By Harald [illegible] C. Fromel
Consulting Engineer

Denver, Colorado
May [illegible], 1952

Docket No. DMA 1463X
Lead-Zinc



LEADVILLE LEAD CORPORATION
Dauntless Tunnel Drives During 1952

Scale 1 inch equals 200 feet

By
H. W. C. Prommel
Consulting Engineer
Denver, Colorado.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Colorado Branch

Contract No.
Idm-E 250

Date Rec'd
MAY 2 1952
BUREAU OF MINES
Denver, Colorado

Name of Operator Leadville Lead Corporation
Docket No. DMA 1463X
Total Contract Amount $ 100,800
Government Participation: 50 % Amount, $ 50,400
Distribution of Expenditures for Month of March, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

CERTIFICATION

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

Leadville Lead Corporation
(Name of Company)

By Ben L. Wright, Jr.
(Signature of Authorized Official)

April 23, 1952
(Date)

Secretary
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
[illegible]	670.10	660.00	1301.04	603.16	652.08	1255.24
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
[illegible]	20.00		20.00	—		—
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
Compressor repair	100.50	36.99	137.49	100.50	36.99	137.49
Dragline repair	278.47		278.47	278.47		278.47
Diesel repair	48.74		48.74	48.74		48.74
Misc. repair other machines, etc	15.00	23.14	38.14	15.00	23.14	38.14
4. Labor[3] Men attached to North Shoot	415.21	300.00	715.21	415.21	300.00	715.21
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	315.81	81.97	397.78	315.81	81.97	397.78
(d) Other	117.73		117.73	117.31		117.31
7. Power						
8. Transportation	9.68		9.68	9.68		9.68
9. Insurance						
(a) Fire						
(b) Public Liability	47.20	47.20	94.40	—	47.20	47.20
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Bookkeeper	50.00	50.00	100.00	50.00	50.00	100.00
Mailing	67.00		67.00	67.00		67.00
Total	2021.37	1191.38	3212.75			
Deletions				-310.69		
Adjusted totals				2020.88	1191.38	3212.26
Totals previously reported				1191.38		
Totals to date	2021.37	1191.38	3212.75	3212.26		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by P.R. Belmer W.M.S. WHD
Amount approved for payment $2,068.88 $2068.88 $2024.98
Remarks

78

16—64068-3

Schedule DMA 52-53
May 23, 1952
$1010.44

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	482.01	679.16	533.81	636.59	2331.57					900'
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	482.01	679.16	533.81	636.59	2331.57					900'

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

Administrative Audit Difference Statement

Date: May 16, 1952
Payee's
Reference: Progress Report
March 1952

Leadville Lead Corporation
500 Ernest and Cranmer Bldg.
Denver 2, Colorado

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

Amount claimed $ 2,331.57

Difference $ - 310.69

Amount Approved $ 2,020.88

The reason for the difference was due to:

Bulldozer Depreciation (not in use during any part of month)	$76.00
Building repairs)not stipulated in contract)	20.00
Overcharge Van Cootens salary (hours worked February 12 and 14 not classified as supervision) Claimed - two weeks $200.00 Allowed - 80 hrs or 10 days @ $400.00 permonth 133.33 Difference.....	66.67
Wyco Flex Shaft set (equipment not specified in contract.)	100.42
Liability Insurance (General overhead not allowable)	47.20
Erroneous payroll computation	.13
Repair parts - not substantiated by invoice	.27
Disallowed.....	$ 310.69

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

Mining Division
Region IV

May 9, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report, for the period March 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported		$ 2331.57
Disallowances (Explanation Below)		
Bulldozer depreciation	$ 76.00	
Building Repairs	20.00	
Overcharge, Van Cooten's Salary	~~63.07~~ 66.67	
Wyco Flex Shaft Set	100.42	
Liability Insurance	47.20	
Erroneous Payroll Computation	0.13	
Repair Parts - not substantiated by invoice	0.27	~~307.09~~ 310.69
		~~$2024.18~~ 2020.88
Government Participation 50 percent		$ ~~1012.24~~ 1010.44

Explanation of disallowances is as follows:

The bulldozer rental of $76.00 is not allowable because it was not in use during anypart of the month. The bulldozer was undergoing repairs during all of March and the labor and repair parts were allowed as charged to the project.

The building repair cost of $20.00 is not allowable since the contract does not stipulate such. Again, paragraph 7 of the first subcontract which was in effect during the period states that the subcontractor will maintain buildings, etc. The cost of such work is included in the unit cost of drifting. The engineers' report clarifys this.

The salary of Mr. Van Cooten is listed as $200.00 for the month of February. The subcontract states that the operator may pay Van Cooten $400.00 per month for supervision other than contract work. Exception was taken by the examining engineers to the hours claimed on February 12 and 14. These hours are not classified as supervision nor are direct costs of the project and are disallowed.

The disallowances for the Wyco Flex shaft set, liability insurance, overcharge for repair parts, and the erroneous computation for overtime of Beals and Radzville are explained in the engineers' narrative.

An amendment is in process that will allow maintenance of the Dauntless Tunnel. This will allow the labor as shown on the payroll for cleaning the tunnel drainage ditch.

W. H. King.
W. H. King

Enclosures

WLD:fwo

cc: Sec. Oper. Comm.
Trevor
Contract
Koschmann
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 6, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado March 1952 progress report

Please find enclosed four copies of the above progress report, form MF-104, with narrative and payroll, and six copies of the memorandum by R. L. Bolmer and C. M. Harrer covering inspection of the underground progress and accounts.

Disallowances totaling $262.69 are covered fully in the engineers' memorandum. This amount of $262.69 deducted from the $2,331.57 claimed by the contractor leaves $2,068.88 of which payment of 50 percent, or $1,034.44, is approved.

W. M. Traver, Jr.
W. M. Traver, Jr.

Enclosures

WMT/mah

cc 3
AHKoschmann
E250
DMSA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 6, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer and C. M. Harrer

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - March 1952 progress report

Progress at the company's operation near Fairplay, Colo., was inspected on April 16, 1952, by Colorado Branch engineers with H. W. C. Prommel, the company's engineer. The Dauntless tunnel was advanced 65 feet during March. The total advance under contract Idm-E250 at the end of March was 108 feet. The tunnel face on that date was 475 feet inby survey station 3.

The operator's monthly progress report was checked in Denver on April 25, 1952, with B. L. Wright, Jr., secretary. The following comments are made regarding the operator's MP-104 forms for March:

Item 2 (a), Equipment furnished by the operator, $679.16, is correct and allowable under the contract.

Item 3 (b), Rehabilitation and repairs--buildings, $20.00, is not allowable under the contract and is disallowed. This amount was paid for minor repairs on buildings. According to the contract, such upkeep should be performed by the mining subcontractor and costs for such work are included in the unit cost of drifting.

(e), Rehabilitation and repairs--fixtures. Repairs on the compressor are correct in the amount of $100.50. Repairs to the caterpillar, consisting of labor, parts, and hauling of parts by a private carrier, are correct for $278.47. A repair job on the weasel in the amount of $48.74 is correct as is a repair job on a blower in the amount of $15.00.

Item 4, Labor, $482.01 (see breakdown of this amount). The $28.00 claimed for labor performed in cleaning ditch is disallowed as such work is not provided for under the contract. The operation has no full time mechanics; the rates paid O'Malia, Radsville, and Beals for repair work on the caterpillar are their ordinary rates as miners and shifters. This work is considered allowable and is correct in the amount of $253.88 (a $0.13 error was made in computing overtime and has been deducted from the amount claimed). Two hundred dollars is

is claimed for company work performed by Van Cooten during February. His work on the 12th and 14th is not approved. The remainder of his work totals 80 hours. Computed at the allowable rate of $400.00 per month, his work should be charged as $133.00. Only $387.21 of the amount claimed for labor is considered allowable.

Item 6 (a), Repair parts, $316.08. Only $315.81 of this amount could be substantiated by invoices. The amount includes $263.71 for repair parts on the compressor, the remainder being small repair parts from several suppliers. Three hundred and fifteen dollars and eighty-one cents is recommended for payment.

(d), Other supplies, $217.73. A WyOe Flex shaft outfit in the amount of $100.42 was included in this amount. This is considered as equipment and as such is not provided for under the contract. Miscellaneous supplies, including a Dupont blasting galvanometer for $22.70, are recommended for payment in the amount of $117.31.

Item 8, Transportation, $9.68, is correct and allowable under the contract as payment to a public carrier for freight charges.

Item 9, Insurance, $47.20, covers public liability and fire insurance. It is not allowable under the contract.

Item 11, Other, $50.00, is correct and allowable under the contract for a monthly bookkeeping charge. The $67.00 claimed for engineering represents 1.34 days' service by Preussel, the company engineer, at the allowable rate of $50.00 per day.

Summary of Amounts Approved

Item		Amount
2	Operating equipment	$ 679.16
3	Rehabilitation and repairs	442.71
4	Labor	387.21
6	Supplies	433.12
8	Transportation	9.68
11	Other (engineering, bookkeeping)	117.00
		$2,068.88

It is recommended that expenditures under contract Idm-E250 in the amount of $2,068.88 be approved and that the company be reimbursed for 50 percent of this amount, or $1,034.44.

cc 5
AHRosebaum
E250
DMA
Chron.

R. L. Bolmer
R. L. Bolmer, Mining Engineer

C. M. Harrer
C. M. Harrer, Mining Engineer

RLB/CMH/ash

Colorado Branch

Date Rec'd
APR 25 1952
BUREAU OF MINES
Denver, Colorado

W. H. VAN COOTEN
ALMA, COLORADO

March 30, 1952

Company Work and Supervision for month of February 1952:

Feb.	12,	Trip to Denver for conference with Mr. Prommel and Mr. Wright.	8	hours
"	14,	Trip to Pueblo to examine Weasel.	8	"
"	19,	Taking shaft out of Compressor	8	"
"	20,	" " " " "	12	"
"	20,	Hauling Compressor shaft to Fairplay.	4	"
"	23,	Putting new Transmission in Weasel.	8	"
"	24,	Trip to mine to get Compressor Rods	8	"
"	25,	Trip to Denver for Compressor shaft & parts for Cat. starting motor	10	"
"	27,	Hauling Compressor & Cat parts from Denver. .	8	"
"	28,	Assemble Compressor.	10	"
"	29,	" "	12	"
		TOTAL Hours for Month	96	hours.

Two weeks @ $100.00 - $200.00

Date Rec'd
APR 25 1952
BUREAU OF MINES
Denver, Colorado

TO BE FURNISHED BY THE OPERATOR

	Item	Value	Depreciation Allowance per Month
1	7D Caterpillar	$4600	$ 76.00
1	Dodge power wagon	3060	51.00
1	215 cfm. G.D.Compressor	4975	81.00
1	365 cfm. " " "	6950	116.00
1	25 KW Diesel-Electric Generator	3975	66.00
12	30 cu. ft. side dump cars	3900	65.00
2	Air locomotives	3620	60.00
1	Studebaker M-29 weasel	1300	54.16
1	Canton car transfer	450	7.50
20	Edison electric cap lamps	450	7.50
1	Buffalo blower 3 hp.	180	3.00
1	Deming pump 1 hp.	340	6.00
1	Cleveland drill jumbo	1275	21.00
2	Cf 79 Air drills	1600	25.00
1	CD Jackhammer	380	6.00
1	CD Tucking machine	2040	34.00

Location: L[illegible] L [illegible]

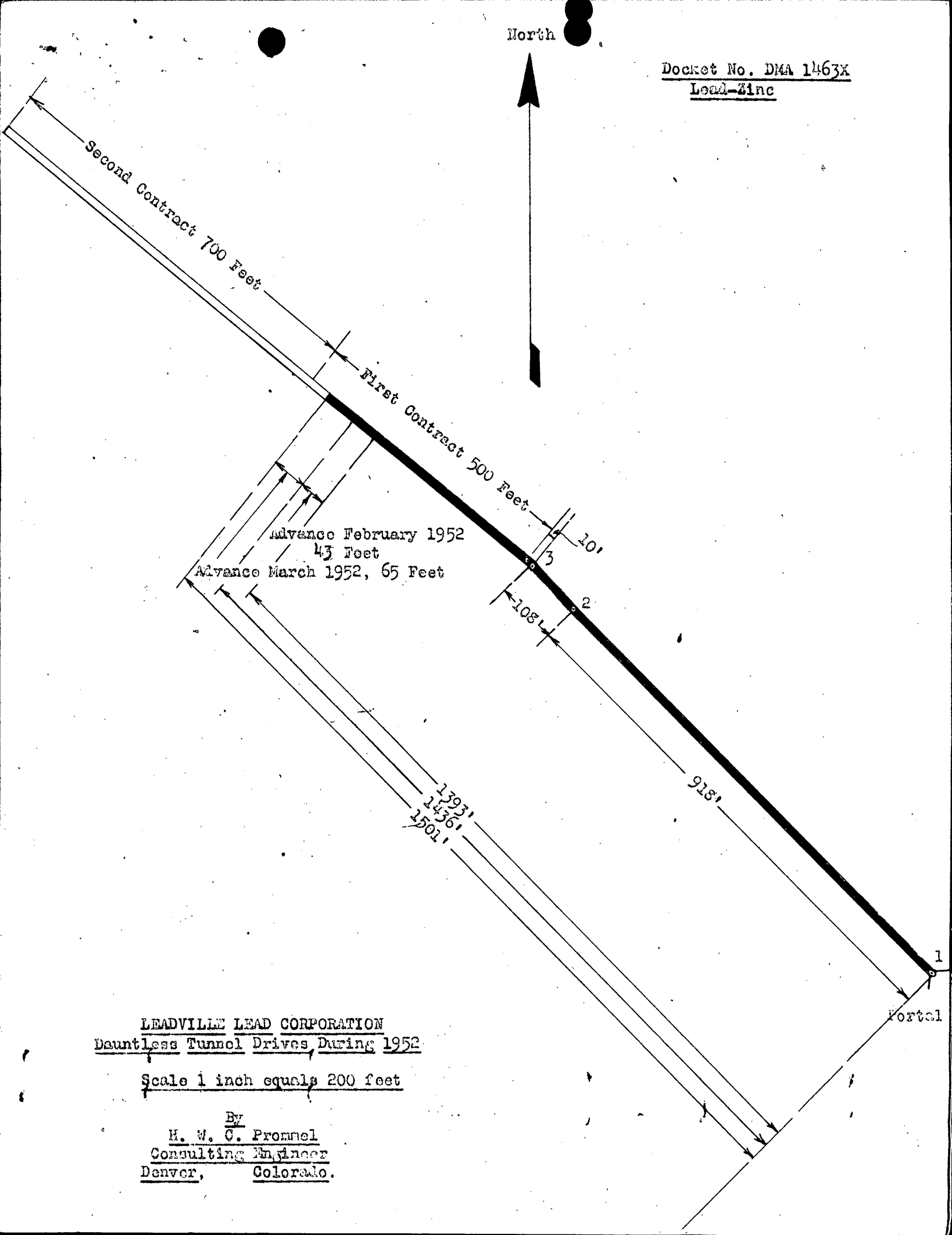
Payroll for week ending March 8, 1952 Date Paid: March 16, 1952

NAMES	Days or Dates S 2	M 3	T 4	W 5	T 6	F 7	S 8	TOTAL TIME	OVER TIME	RATE PER HOUR
W. R. Fahey (Miner) Cleaning Ditch Tunnel	8	0	0	0	0	0	0	8		$ 1.75
Andy Anderson (Miner) Cleaning Ditch Tunnel	8	0	0	0	0	0	0	8		$ 1.75
Johnny O'Neilia (Miner) Repairing Caterpillar	8	0	0	0	0	0	0	8		$ 1.75
Joe R. Hadzville (Miner) Welders Helper	8	8	8	12	11	8	-	55	15	$ 1.75
Coke A. Beals (Shifter)	8	8	8	12	8	8	-	52	12	$ 2.25

Maurine M. Sock - Paid $27.50 per week on parttime basis - $50.00 claimed under contract
(Bookkeeper)

[illegible] Prommel (- Paid 67.00 for 1.34 days at $50.00 per day
(Engineer)

SALARY OR WAGES	OVER TIME	TOTAL	OLD AGE S. INS.	WITH-HOLDING TAX	BOARD	AD-VALOR	TOTAL	NET AMOUNT PAID
$	$	$ 14.00	$ .21	$	$ 3.00	$	$ 3.21	$ 10.79
		14.00	.21		3.00		3.21	10.79
		14.00	.21		3.00		3.21	10.79
70.00	39.45	109.45	1.64	18.90	18.00	20.00	58.54	50.91
90.00	40.56	130.56	1.95	23.90			25.85	104.71
TOTALS. . . .		282.01	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	$187.99



LEADVILLE LEAD CORPORATION
Dauntless Tunnel Drives During 1952

Scale 1 inch equals 200 feet

By
H. W. C. Prommel
Consulting Engineer
Denver, Colorado.

Colorado Branch

Date Rec'd
APR 25 1952
BUREAU OF MINES
Denver, Colorado

In re: Docket No. DMA 1463X
Lead-Zinc

Report No.2
(written April 22, 1952)

LEADVILLE LEAD CORPORATION

Narrative Report on Operations at the Dauntless Tunnel

For the Month of

M A R C H

1 9 5 2

On March 1, 1952, the face of the Dauntless Tunnel was 1436 feet from the portal. On April 1, 1952 the face of the tunnel was 1501 feet from the portal, so that the advance in the tunnel during March was 65 feet. A narrative report, covering work done at the tunnel, at elevation of 12,300 feet above sea level, during March 1952, is as follows:

Work advancing the face was done uninterruptedly from March 3 to March 15th. incl. on a one shift basis. All driving during March was still in porphyry which, however, appeared to be getting somewhat softer.

Repair work on the compressor which had delayed work in the tunnel, was finished March 2nd. Snow, wind, and cold interfered somewhat with operations during the first half of the month during which repair work on the caterpillar bull-

several broken ribs. This disorganized the crew for the time being and together with extremely adverse weather conditions during the second half of the month, prevented work in the tunnel face until the last day of the month when advance of the tunnel was started again.

In the interval March 16th to 30th incl. the contractors worked on obtaining and moving the Root blower from Buckskin Gulch above Alma to Fairplay and readying it for moving and installation in the Dauntless tunnel, to take the place of the Buffalo blower which was too small for two shift operations in the tunnel and the motor on which (3 HP) had burned out, Additional ventilation pipe was also located at Silver Plume, Colorado, and purchased for removal to Fairplay and the Dauntless tunnel.

From March 16 to 23rd snow and blizzard conditions became so severe that communication with the Dauntless tunnel were entirely interrupted and the road from Fairplay to Barco which had been opened by the county, became snowbound again. On the 23rd Duke Beals and one man managed to get to the tunnel by weasel from Fairplay, with a load of groceries and coal. By the 26th the raging blizzard abated somewhat and work of digging out of the snow at the tunnel and removing ice which had formed in the tunnel near the portal and had

Snow, cold and blizzardy weather conditions were reported for 17 days during March. Temperatures (an attempt is made to record maximum and minimum temperatures every day) ranged from minus 18 degrees to plus 50 degrees. Average low and high temperatures for the month were plus 4.6 degrees and plus 25 degrees.

A complete shut-down of all work in connection with the tunnel ocurred on two days only during March. An average of 5.17 men working an equivalent of 29 eight hour days each put in a total of 149 eight hour shifts, or 1192 man hours. Time distribution on a man hour and percentage basis for March is as follows.

Time Distribution for March 1952

		Man hours	Man hours	Percent of Total Time
FREIGHTING	Leavick to tunnel, and Fairplay to Tunnel by Weasel; fuel oil, gasoline, groceries, dynamite, repair parts etc.....		85	7.1 %
UPKEEP	Dump, shovel snow, De-icing track, ditch etc....	80		
	Tunnel, cleaning ice,.....	96		
	Tunnel, ditch.....	36	212	17.7 %
REPAIRS	Caterpillar.....	142		
	Mucking machine.....	48		
	Air drills.....	16		
	Weasel tracks.....	28		
	General (after all			

The above report is based on diary entries made by W. E. Van Cooten and checked by H. W. C. Prommel at the mine and at Alma. Better headway was made during March than during February, Barring unforeseen difficulties and with some improvement in weather conditions and possible opening of the road to truck travel from Leavick to the Dauntless tunnel, double shift operations may be started during April and much greater advance should be made in the tunnel heading.

LEADVILLE LEAD CORPORATION
By Harald W. C. Prommel
Consulting Engineer

Harald W. C. Prommel
by
Ben L. Wright, Jr.

Denver, Colorado
April 22, 1952.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Colorado Branch

Contract No.
Idm-E 250

Date Rec'd
MAY 2 1952
BUREAU OF MINES
Denver, Colorado

Name of Operator Leadville Lead Corporation
Docket No. DMA 1463X
Total Contract Amount $100,800
Government Participation: 50 % Amount, $ 50,400.
Distribution of Expenditures for Month of February, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

Department of the Interior
Defense Minerals Administration
MAY 2 1952

CERTIFICATION

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

Leadville Lead Corporation
(Name of Company)

By Ben Flowright, Jr.
(Signature of Authorized Official)

March 20, 1952
(Date)

Secretary
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
[illegible]	[illegible]		[illegible]	652.08		652.08
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

WHP 5-21-52

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

Administrative Audit Difference Statement

Date: May 16, 1952
Payee's
Reference: Progress Report
February 1952

Leadville Lead Corporation
500 Ernest & Cranmer Bldg.
Denver 2, Colorado

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

Amount claimed $ 1,191.38

Difference $ - 47.20

Amount Approved $ 1,144.18

The reason for the difference was due to:

Public Liability Insurance disallowed (not stipulated in contract) $47.20

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
[illegible]	[illegible]		[illegible]	36.99		36.99
[illegible]	[illegible]		[illegible]	6.08		6.08
[illegible]	[illegible]		[illegible]	17.06		17.06
4. Labor[3] [illegible]	[illegible]		[illegible]	300.00		300.00
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	[illegible]		[illegible]			
(d) Other				81.97		81.97
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability	[illegible]		[illegible]	—		—
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
[illegible]	[illegible]		[illegible]	50.00		50.00
Total	[illegible]		[illegible]			
Deletions				-47.20		-47.20
Adjusted totals				1144.18		1144.18
Totals previously reported	[illegible]		[illegible]			
Totals to date	[illegible]		[illegible]	1144.18		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by R.L. Bolzner WMT. [illegible]
Amount approved for payment $502.09 $502.09 $572.09
Remarks

16—64068-3

Schedule DMA 52-52
May 20, 1952
$572.09

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	300.00	712.21	81.97	97.20	1191.38					900'
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	300.00	712.21	81.97	97.20	1191.38					900'

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Mining Division
Region IV

May 8, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Operator's Monthly Progress Report for the period of February, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported	$ 1,191.38
Disallowance	
Public Liability Insurance (not stipulated in contract)	47.20
	$ 1,144.18
Government participation - 50 percent	$572.09

An amendment is in process that will allow maintenance work on the Dauntless Tunnel. This will allow the labor of the two men, Fahey and Anderson, as shown on the payroll sheet.

Although the subcontractors advanced the Dauntless Tunnel 43 feet, the operator did not claim any reimbursement on this item. The sub-contract states that the operator will pay the sub-contractor after each 100-foot advance, and consequently the operator will not list this cost until the tunnel is advanced at lease 100 feet.

WLD:oc
cc: Secretary to the Oper. Comm.
Traver
Contract
Chron.
Koschmann (2)

W. H. King
W. H. King

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 6, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Progress report, February 1952

Please find enclosed four copies of the above revised progress report, form MF-104, with narrative and payroll, for the month of February 1952, and six copies of a memorandum report by C. M. Harrer and R. L. Bolmer covering inspection of the underground progress and accounts.

The underground progress of 43 feet is correct as reported.

Labor--$140.00 and insurance--$47.20, or a total of $187.20, are disallowed, and Bolmer, after deducting this amount from the $1,191.38 claimed by the contractor, approves payment of $502.09 which is 50 percent of the balance.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/amh

cc 3
AHKoschmann
E250
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 6, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: C. M. Harrer and R. L. Bolmer

Subject: DMA 1463X, Contract Idm-E250, Leadville Lead Corporation, Park County, Colorado - Progress report for February 1952

The operator's narrative report and MF-104's for February, 1952, were checked by R. R. McLellan and R. L. Bolmer on March 28, 1952, with B. L. Wright, Jr., secretary of the corporation.

H. W. C. Prommel, consulting engineer, and W. E. Van Cooten, contractor, were contacted at Fairplay on April 16 by Colorado Branch engineers and progress at the property inspected.

Inspection of the operator's monthly progress report (MF-104) for February revealed the following:

Item 2 (c), Equipment furnished by the operator, $652.08, is correct and allowable under the terms of the contract and an amendment. Items were verified during the April inspection and conform to the list accompanying the MF-104's.

Item 3 (d), Rehabilitation and repairs of fixtures, $60.13, includes $36.99 for compressor repairs, $6.08 for electric welder repairs, and $17.06 for mucker repairs which are correct and allowed under the terms of the contract.

Item 4, Labor, $300.00. Rehabilitation work by Fahey and Anderson in the amount of $140.00 is disallowed. Such work is not covered by the contract. As the operation has no full time mechanic, the work performed by O'Malia and Beals was at their regular rates as miner and shifter. Under the contract, major repairs must be performed by the company and such work is considered allowable. One hundred and sixty dollars of the labor claimed is recommended for payment.

Item 6, Supplies, Other, $81.97, includes $28.76 for welding rod, $31.88 for oxygen and acetylene, $3.83 for time books, and a delivery charge of $18.00 on the above. The amount is correct and allowable under the terms of the contract.

Item 9 (b), Insurance, $47.20, is disallowed under the terms of the contract which does not mention public liability insurance.

Item 11, $50.00 for bookkeeping, is correct and allowed under the contract and an amendment dated March 12, 1952.

Progress during February was 43 feet as reported. Referring to the Main Adit Survey, Leadville Lead Corporation, by G. F. Galloway, dated July 26, 1951:

Portal of adit is survey station no. 1.

Measuring point was last survey station (no. 3), 1,027.27 feet in from the portal.

Start of contract is survey station 3 plus 367 feet, which is 1,393.27 feet in from the portal and is marked by green paint. Breast at the end of February 1952 is at survey station 3 plus 410 feet, which is 1,436.27 feet in from the portal. The Main adit is being driven on a course of N. 50°15'30" W.

Expenditures of $1,004.18 are recommended for approval. Disallowances from the amount claimed ($1,191.38) include $140.00 under item 4 and $47.20 under item 9 (b). U. S. Government participation herein will be $502.09.

C. M. Harrer

C. M. Harrer, Mining Engineer

R. L. Bolmer

R. L. Bolmer, Mining Engineer

CMH/RLB/amh

cc 5
AHKoschmann
E250
DMEA Chron.

To be furnished by the Operator:

	Item	Value	Depreciation Allowance Per Month
1	7D Caterpillar	$4600	$ 76.00
1	Dodge Power Wagon	3060	51.00
1	215 cfm. G. D. Compressor	4975	81.00
1	365 cfm. " " "	6950	116.00
1	25 KW Diesel-Electric Generator	3975	66.00
12	30 cu. ft. side dump cars	3900	65.00
2	Air locomotives	3620	60.00
1	Studebaker M-29 Weasel	1300	54.16 (1 Month 27.08)
1	Canton car transfer	450	7.50
20	Edison electric cap lamps	450	7.50
1	Buffalo blower 3 hp.	180	3.00
1	Deming pump 1 hp.	340	6.00
1	Cleveland drill jumbo	1275	21.00
2	Gf 79 Air drills	1600	25.00
1	GD Jackhammer	380	6.00
1	GD Mucking machine	2040	34.00

PAYROLL FOR WEEK ENDING
February 23, 1952

NAME	DAYS OR DATES						
	17	18	19	20	21	22	23
W. R. Fahey (Miner) Work done ditching and cleaning tunnel from portal to Dauntless crosscut	0	0	8	8	8	8	8
Andy Anderson (Miner) Ditching and cleaning tunnel from portal to Dauntless crosscut	0	0	8	8	8	8	8
Jerry O'Malia (Miner) Welder helper on tractor	0	0	8	8	8	8	8
Duke A. Beals (Shifter) Helping on tractor	0	0	8	8	8	8	8

Maurine H. Beck (Bookkeeper) - She is paid $27.50 per week on a parttime basis. $50.00 is allowable under the contract.

Total Time	Rate Per	Salary or Wages	Total	Old Age & Ins.	W.H. Tax	Board	Total	Net Amount Paid
40	1.75	70.00	70.00	1.05	3.50	15.00	19.55	50.05
40	1.75	70.00	70.00	1.05	3.50	15.00	19.55	50.05
40	1.75	70.00	70.00	1.05	6.50	15.00	22.55	47.45
40	2.25	90.00	90.00	1.35	15.00	none	16.35	73.65
			300.00					221.20

70.00
90.00
160.00

Colorado Branch

Date Rec'd
MAR 24 1952
BUREAU OF MINES
Denver, Colorado

In re: Docket No. DMA 1463A
Lead-Zinc.

LEADVILLE LEAD CORPORATION

Narrative Report on Operations at the Dauntless Tunnel

For the Month Of

F E B R U A R Y

1952

On February 1, 1952, the face of the Dauntless Tunnel was 1393.27 feet from the portal. On March 1, 1952, the face of the tunnel was 1436.27 feet from the portal, so that the advance in the tunnel during February 1952 was 43 feet. A narrative report covering work done at the tunnel, at elevation of 12,3000 ft. above sea level, during February 1952 is as follows:

Work advancing the face was done uninterruptedly from February 1 to February 6th. incl. on a one shift basis except February 6 when a double shift was worked in order to complete the first 400 ft. of the 500 ft. contract, which put the face of the tunnel at 1436.27 ft. from the portal. All driving during February was in hard porphyry, with rounds shortened to 6 ft. and 30 or more holes were required to break the round. Weather conditions were extremely bad, with constant snows, ground blizzards and high winds, requiring 3 men to handle cars on the dump. On February 7th. no drilling was done, but air and water lines were advanced. The fuel supply at the mine had been exhausted and the road from Fairplay to the Dauntless tunnel, a distance of approx. 14 miles, was closed

in and impassable.

On February 10th. attempts were made to take some dynamite and groceries from Fairplay to the mine by weasel which had been rented for that purpose. The weasel broke down between Leavick and the Dauntless Tunnel and the men returned to Fairplay on foot.

On February 14th. the county started clearing the road from Fairplay to Leavick and two men worked in the tunnel clearing ice near the portal which had begun to form due to a break in the door at the Dauntless shaft 700 ft. from the tunnel portal. This has been remedied.

By February 16th. the road to Leavick had been cleared, a 1000 gals. fuel storage tank, borrowed from the Gately Motor Co. at Alma had been taken to Leavick and a load of gasoline and coal was hauled to Leavick. The Diesel fuel tank (1000 gals.) at Leavick was also filled that afternoon. A weasel purchased by Leadville Lead Corporation near Pueblo, Colorado, arrived in Fairplay during the evening. Trouble developed with the weasel, however, and a sheared stud bolt was found in the transmission case. A new transmission was shipped to Fairplay by the seller of the weasel to make good his guarantee, the weasel was repaired in Fairplay by Van Cooten and Beals (our contractors on the tunnel). However, the transmission did not arrive in Fairplay until February 23.

On February 19th., shortly after starting the large compressor to resume drilling operations in the tunnel, the

compressor began to smoke. Upon removal of inspection plates, it was found that one of the bearings had burned out, the shaft was scored so that it had to be removed, to be taken to Denver for built-up and lathing. New inserts for all shaft bearings could not be obtained from Gardner-Denver Co. due to the strike at their plant last year, so the old bearings were re-babbited in Denver. The repaired parts did not get back to Fairplay until the evening of February 27th., were taken to the tunnel by weasel on the 28th. and re-installation of compressor shaft etc. was done on February 28th. and 29th.

From February 10th. to February 23rd. incl. while repairs on compressor were under way, a crew of 3 men worked in the tunnel cleaning the water ditch and advancing the ditch toward the face, which had been neglected last fall. Two men also worked on the caterpillar bulldozer welding new cleats on the tracks as well as starting overhaul on the starter engine which had to be taken to Denver for repair. Work on the caterpillar continued by two men from the 19th. to the 29th. and was not finished by the end of the month. The caterpillar bulldozer is badly needed to keep the dump clear of snow as well as to help open the road from the Dauntless tunnel toward Leavick while the county works from Leavick toward the tunnel. As soon as the road is open, bulk supplies can be taken by truck all the way to the Dauntless tunnel and all storage capacities there filled. As soon as this is done, the road between Leavick and the tunnel (approx. 2 miles) can

be allowed to close again, as men and groceries and other minor items can be moved from Leavick to the Dauntless tunnel by weasel until the road is permanently opened later on in the spring.

During the 29 days of February, work was going on either at the mine or in Fairplay and Alma (repairs etc.) during 28 days of the mont. Approximately 98½ eight hour man shifts were put in on contractor and company account.

A distribution of these shifts is as follows:

25½	man	shifts	drilling, mucking, tramming and tending compressors.
4	"	"	putting in air and water line and track.
15	"	"	cleaning tunnel and digging water ditch.

Repairs

	1	man	shift	on electric welding machine motor
	2	"	"	cleaning ice in tunnel.
	3	"	"	inspection and repair of weasel
	23	"	"	on caterpillar repairs.
35	6	"	"	on compressor repairs.
19		"	"	Supervision.
98½	man shifts total			

A summary of the above items by man shifts and percentages is as follows:

Advancing face, inclusive of drilling, mucking, tramming, pipe and track	29½ m.s.	30.0 %
Cleaning tunnel and digging ditch	15 "	15.2 %
Repairs welder, weasel, caterpillar, compressor, ice remov.	35 "	35.5 %
Supervision (W. J. Van Cooten only)	19 "	19.3 %
	* 98½ m.s.	100.0 %

* These figures do not include 1.34 days @ $50.00, or $67.00 supervisory work by W. J. C. Prommel during February 1952.

The above report is based on diary entries made by L. . Van Cooten at the mine and at Alma. It is hoped that now that repairs on several items are nearly completed, better headway will be made in the tunnel during March 1952.

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LEADVILLE LEAD CORPORATION

Denver, Colorado
March 18, 1952

By Harald . C. Prommel
Consulting Engineer

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