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1201 N. Division St.
Spokane 2, Washington
May 1, 1956

Revised Copy

Carroll
Betty

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John D. Bardill, Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-3394 (lead-zinc), Triumph Mining Company, Triumph Mine, Blaine County, Idaho, Contract No. Idm-E696

A final inspection of this project was made April 19, 1956 with Mr. Carroll Livingston, mine superintendent.

The project had been recessed April 14, pending approval of a request of the Operator and the Field Team to Washington to terminate the contract by mutual consent before completion of the work because it was agreed that the target area had been adequately prospected without success. A termination agreement dated April 15, 1956 was approved by Washington and forwarded to the Operator.

The following work was completed and settlement should be made on this basis:

	Authorized Feet	Completed Feet
Stage I		
Main crosscut	750	750
2-compartment vertical raise	300	196
Main crosscut	750	
Timber		352
290 bolts (184 feet)		290 bolts
Stage II		
Sublevel drifting	1,900	
540 level north		873
540 level south		701
540 level enlargement at raise		19
		1593

Stage II (continued)

	Authorized Feet	Completed Feet
Dip raises	600	
54-887 raise		312
54-894 raise		197
Doghole No. 1 raise		31
Doghole No. 2 raise		29
		569
Timbering and/or rock bolting	1,900	
540 level north, 170 bolts (347 feet)		170 bolts
540 level north, timber		269
540 level south		706
540 level enlargement		19
		994 feet
		170 bolts
Timbering dip raises	600	
54-887 raise		291
54-894 "		195
		486

Recapitulation

Stage I		
Main crosscut	750	750
2-compartment vertical raise	300	196
Timbering main crosscut	750	
Timber 352 feet		352
290 bolts (184 feet)		290 bolts
Stage II		
Sublevel drifting	1,900	1,593
Dip raises	600	569
Timbering sublevel drifts	1,900	
Timber 994 feet		994
170 bolts (347 feet)		170 bolts
Timbering dip raises	600	486

The 71 feet for the 54-900 raise is disallowed because the Operator was advised prior to commencing the raise that it would not be approved.

Nowhere in the project workings was mineralization of near ore grade encountered. Generally, ore is found where the vein structure is steep. The vein where exposed in the drifts and raises was relatively flat, seldom exceeding 20 degrees.

A certification of discovery will not be recommended.

John D. Bardill

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

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OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 195 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals LEAD - ZINC
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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 Contractors: Short Form				7/17/56 W.P.K.		
Timbering Drilling 10°-45° Raise	$ 455.00	$ 3,159.00	$ 3,614.00	-o-	3159.00	3159.00 ✓
Bulldozing						
Crosscutting		22,500.00	22,500.00		22500.00	22500.00 ✓
Drifting	3619.35	51,291.36	54,910.71	3619.35	51291.36	54910.71 ✓
Timb. Sub-level	669.50	5,791.50	6,461.00	669.50	5791.50	6461.00 ✓
(2) Labor and Supervision:						
~~Labor~~ Raising		10,246.88	10,246.88		10246.88	10246.88 ✓
~~Supervision~~ Rsg. 10°-45°	2164.40	17,593.48	19,757.88	-o-	17593.48	17593.48 ✓
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,283.00	2,283.00		2288.50	2288.50 ✓
Explosives						
Pipe						
Track						
Roof bolting	7.68	1,758.72	1,766.40	7.68	1758.72	1766.40 ✓
(4) Operating Equipment:						
Rental						Approved
Purchase						~~Approved~~
Depreciation						1/3 Pay
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$6915.93	$114,628.94	$121,544.87	4296.53	114628.94	115925.47

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/8/56 *Payee TRIUMPH MINING COMPANY
Per J M Robinson Title General Manager

*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.

Final (Instructions on reverse)
adjusted to audit report

2148.26
.02
2148.24

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

$2148 24

Signature M J P
(Authorized Certifying Officer)

Date 7-6-56 Vou. No. 1814
(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 696 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date May 13-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Wellenborn Title Exec Officer Date July 5-1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1953)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Feet	$3619.35	105	$ 54,910.71	1593	34.47	1900	34.47
Crosscutting	Feet			22,500.00	750	30.00	750	30.00
Raising	Feet			10,246.88		52.28	300	52.28
~~Stope~~ Rsg. 10°-45°	Feet	2164.40	71	19,757.88	640	30.92	600	30.92
~~Wooden~~ Timbering	Feet			2,288.00		6.50	750	6.50
~~Drilling~~ ~~Stope~~ Roof Bolt.	Bolt	7.68	2	1,766.40	460	3.84		
~~Stope~~ Roof Bolt	Feet		26		637	6.50		
~~Wooden~~ Timb.								
~~Stopping~~ 10°-45° Raise	Feet	455.00	70	3,614.00	556	6.50	600	6.50
~~Trenching~~ Timbering								
~~Test Pits~~ sub-level dft	Feet	669.50	103	6,461.00	994	6.50	1900	6.50
Roads and Trails								
Total Distributed Costs		$6915.93		$121,544.87				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 5/8/56 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

Remarks:

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

(Instructions on reverse)

(For Government use only)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

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JUL 12 1956

DMEA PROJECT REPORT
APRIL--1956

During the month of April 1956, 105 feet of drift and 71 feet of up dip raise was completed on this DMEA Project.

540 North Drift - Advance 10 feet. Face at north coordinate 11282 and east coordinate 8346. Following the structure to the NW. Structure consists of crushed argillite and limestone with a little calcite. Heading stopped.

540 South Drift - Advance 95 feet. Face at north coordinate 11130 and east coordinate 9125. Following the structure to the SE. Structure consists of from 2 to 5 feet of crushed argillite and limestone with an occasional thin streak of PbS and ZnS. Heading stopped.

54-900 Raise - Advance 71 feet. An up dip raise started from the 540 South Drift at north coordinate 11212 and east coordinate 9000. Following the structure up dip. Structure consists of 2 to 4 feet of crushed argillite and limestone with an occasional trace of ZnS. Heading stopped.

All work on this DMEA project was stopped on April 14, 1956.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

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JUN - 4 1956

May 29, 1956

Harold
Betty

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

Re: Docket No. DMEA-3394 (Lead-Zinc)
Triumph Mining Company
Triumph Mine
Blaine County, Idaho
Contract No. Idm-E696 (Terminated)

Dear Mr. Selfridge:

Enclosed are the original and one copy of the Operator's final report, with a sketch and two maps, on a project conducted at the Triumph Mine. It is acceptable to the Field Team.

A recommendation that the project be certified is not contemplated.

By Field Team, Region I, NW District

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

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

Enclosure

cc: USGM (2)
USBM (AD)
Quinlan
Turner

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MAY 28 1956
U.S.G.S.
SPOKANE, WASH

TRIUMPH MINING COMPANY
TRIUMPH, IDAHO

DMEA PROJECT—FINAL REPORT

This project was started in September 1954 and was terminated April 14, 1956. During this period 750 feet of cross-cut on the main Triumph 700 Level was driven, 196 feet of vertical 2-compartment raise, 1393 feet of sub-level drifting and 640 feet of up dip raising was completed.

The 70-620 Cross-Cut was started at Triumph north coordinate 11255 and east coordinate 8245 and was driven a distance of 750 feet terminating at north coordinate 11700 and east coordinate 8890. Only interbedded limestones and argillites and a few minor faults were cut by this heading.

At north coordinate 11625 and east coordinate 8800 which point is at the end of a 30 feet slusher drift driven from the 70-620 Cross-Cut a two compartment vertical raise was driven a distance of 196 feet or 226 feet above the 700 Level track. At a point 100 feet above the 700 Level track the footwall of a 12 feet crushed zone was cut. This zone consisted of crushed argillite and limestone. Overlying this crushed zone was 4 feet of crushed porphyry which was followed by 4 feet of limestone which in turn was followed by 22 feet of massive porphyry. Everything cut above the porphyry was bedded limestone.

At the point in the raise where the crushed zone was intersected a station was cut and a level known as the 540 Level was started. Drifts were run from the station along the footwall of this wide crushed zone both to the NW and to the SE.

The 540 North Drift was driven along the structure a distance of some 890 feet. The structure consisted of from 2 to 10 feet of crushed argillite and limestone with considerable calcite and occasionally some fragments of quartz. With the exception of a few rare specks of ZnS and pyrites no mineral was cut by this heading. This heading was stopped at north coordinate 11262 and east coordinate 8346.

At north coordinate 11842 and east coordinate 8760 in the 540 North Drift a dog-hole raise into the hangingwall was driven a distance of 31 feet. A long hole into the back of this raise cut porphyry. No mineral of any sort was cut in this raise.

At north coordinate 12031 and east coordinate 8566 in the 540 North Drift a dog-hole raise into the hangingwall was driven a distance of 29 feet. A long hole into the back of this raise also cut porphyry. No mineral of any sort was cut in this raise.

The 540 South Drift was first driven along the structure a distance of 195 feet to north coordinate 11464 and east coordinate 8885. At north coordinate 11500 and east coordinate 8842 a wide crushed zone took off into the hangingwall of this heading, but the footwall structure was followed to the 195 foot mark. This footwall structure narrowed down to a width of one inch and this leg of the heading was stopped. The hangingwall structure was then followed a distance of 508 feet to north coordinate 11130 and east coordinate 9125 where the heading was stopped. The hangingwall structure consists of 2 to 8 feet of crushed argillite and limestone with considerable calcite and some quartz. The last 350 feet showed some traces of ZnS, PbS and pyrites.

At north coordinate 11435 and east coordinate 8874 in the 540 South Drift an up dip raise was run. This raise followed the footwall of a structure up dip for a distance of 130 feet. The structure consists of 2 to 3 feet of very tight gouge - crushed argillite and limestone - no mineral. First 30 feet was steep but the last 100 feet

nearly flat. At the point where it flattened a steeper hangingwall gouge took off into the back. At a point in this raise 100 feet up dip from the chute a vertical raise was put up a distance of 32 feet. This vertical raise cut the hangingwall structure at a point 26 feet up. At this point the hangingwall structure consisted of 2 to 3 feet of crushed argillite and limestone with considerable calcite and some quartz. At the point where the hangingwall structure took off into the back 30 feet up from the chute the back was knocked down and this structure followed for a distance of 150 feet. This structure consisted of 2 to 3 feet of very tight crushed argillite and limestone with some calcite. Porphyry was seen in the back at the face.

At north coordinate 11365 and east coordinate 8910 an up dip raise, 54-894, was started from the 540 South Drift. This raise followed the structure up dip a distance of 46 feet. The first 40 feet the structure consisted of 4 to 6 feet of crushed argillite and limestone containing a narrow seam of mineral - PbS, ZnS and pyrites. The last 5 feet a small fault crossed the zone and the structure narrowed down to 4 to 5 inches. At a point 35 feet up dip from the chute an intermediate was run in a SE direction on the structure a distance of 151 feet. The structure in this intermediate consisted of 4 to 5 feet of crushed argillite and limestone with a small - 4 to 5 inch - zone of very spotty mineralization the entire distance. Mineralization consists of PbS, ZnS and pyrites.

At north coordinate 11212 and east coordinate 9000 in the 540 South Drift and up dip raise - 54-900, was run up dip on the structure a distance of 71 feet. The structure in this heading consisted of 2 to 4 feet of crushed argillite and limestone with an occasional trace of ZnS.

The following is a list of all the samples taken during the course of this project showing sample number, location, length, and values. Au and Ag values are in oz's per ton and Pb and Zn in %.

540 LEVEL ASSAYS

SAMPLE NO.	LOCATION	LENGTH-FEET	Au	Ag	Pb	Zn
		540 South Drift				
2-9687	Lower Face	4	Tr.	Tr.	Tr.	Tr.
2-9746	Upper "	6	Tr.	Tr.	Tr.	Tr.
2-9751	"	10	Tr.	Tr.	Tr.	Tr.
2-9697	Upper "	6	Tr.	Tr.	Tr.	Tr.
2-9757	Face	9	Tr.	Tr.	Tr.	Tr.
2-9761	"	10	Tr.	Tr.	Tr.	Tr.
2-9765	"	9	Tr.	Tr.	Tr.	Tr.
2-9769	Upper "	6	Tr.	0.5	0.2	Tr.
2-9776	" "	5-1/2	Tr.	Tr.	Tr.	Tr.
2-9802	Face	8	Tr.	Tr.	Tr.	Tr.
2-9783	"	9	Tr.	Tr.	Tr.	Tr.
2-9786	Upper "	4-1/2	Tr.	Tr.	Tr.	Tr.
2-9790	" "	6	Tr.	Tr.	Tr.	Tr.
2-9795	Center "	1	Tr.	Tr.	Tr.	0.5
2-9799	" "	3	Tr.	Tr.	Tr.	0.3
2-9854	Upper "	6	Tr.	Tr.	Tr.	Tr.
2-9832	" "	5	Tr.	Tr.	Tr.	Tr.
2-9846	" "	5	Tr.	Tr.	Tr.	Tr.
2-9847	" "	5	Tr.	Tr.	Tr.	Tr.

SAMPLE NO.	LOCATION	LENGTH-FEET	Au.	Ag.	Pb.	Zn.
2-9991	Center Face	6	Tr.	Tr.	Tr.	Tr.
2-9995	Upper "	7	Tr.	0.2	0.2	Tr.
3-108	" "	5	Tr.	Tr.	Tr.	Tr.
3-112	Center "	4-1/2	Tr.	Tr.	Tr.	Tr.
3-121	Upper "	7	Tr.	Tr.	Tr.	Tr.
3-128	" "	5	Tr.	0.3	Tr.	Tr.
3-134	" "	4	Tr.	Tr.	Tr.	Tr.
A	Center "	1-1/2	Tr.	0.7	0.6	2.4
3-139	" "	1-1/2	Tr.	0.6	0.5	1.4
3-141	" "	2-1/2	Tr.	0.5	0.5	1.5
B	" "	1-1/2	Tr.	0.8	0.6	1.5
C	Upper "	1-1/2	Tr.	0.4	0.3	1.3
2-8858	" "	1	Tr.	4.4	0.8	2.1
2-8859	" "	1-1/2	Tr.	1.0	1.0	2.8
2-8860	" "	1-1/2	Tr.	3.6	4.2	5.8
3-160	" "	1-1/2	Tr.	1.2	1.3	2.7
3-242	" "	1	Tr.	0.2	0.2	2.0
3-246	Center Face	4	Tr.	Tr.	Tr.	0.3
3-250	" "	4	Tr.	0.2	Tr.	Tr.
3-256	" "	1-1/2	Tr.	0.3	Tr.	1.5
3-257	" "	4	Tr.	0.6	0.2	Tr.
3-265	Upper "	4	Tr.	0.3	0.2	1.0
3-273	" "	1-1/2	Tr.	Tr.	Tr.	Tr.
3-278B	" "	3	Tr.	0.2	Tr.	Tr.
3-281	" "	3	Tr.	0.3	Tr.	1.0
3-291	Center "	2	0.01	2.0	1.9	3.3
3-300	" "	2-1/2	Tr.	Tr.	Tr.	1.2
3-402	" "	4	Tr.	Tr.	Tr.	1.2

540 North Drift

2-9747	Lower Face	6	Tr.	Tr.	Tr.	Tr.
2-9822	" "	6	Tr.	Tr.	Tr.	0.5
2-9825	" "	6	Tr.	Tr.	Tr.	Tr.
2-9827	Upper "	4	Tr.	0.1	Tr.	0.3
2-9903	Center "	5	Tr.	Tr.	Tr.	Tr.
2-9908	Lower "	8	Tr.	Tr.	Tr.	Tr.
2-9909	" "	8	Tr.	Tr.	Tr.	Tr.
2-9920	Center "	5	Tr.	Tr.	Tr.	Tr.
2-9835	Upper "	7	Tr.	Tr.	Tr.	Tr.
2-9837	Lower "	5	Tr.	Tr.	Tr.	Tr.
2-9838	" "	3-1/2	Tr.	Tr.	Tr.	Tr.
2-9839	Upper "	5	Tr.	Tr.	Tr.	Tr.
2-9937	" "	4	Tr.	Tr.	Tr.	Tr.
2-9943	" "	1	Tr.	Tr.	Tr.	Tr.
2-9945	Center "	3	Tr.	Tr.	Tr.	Tr.
2-9954	" "	2	Tr.	Tr.	Tr.	Tr.
2-9959	" "	4	Tr.	Tr.	Tr.	Tr.
2-9964	" "	5	Tr.	Tr.	Tr.	Tr.
2-9972	" "	4	Tr.	Tr.	Tr.	Tr.
2-9976	Lower "	8	Lost			
2-9979	Center "	5	Tr.	Tr.	Tr.	Tr.
2-9981	" "	2	Tr.	Tr.	Tr.	Tr.

SAMPLE NO.	LOCATION	LENGTH-FEET	Au	Ag	Pb	Zn
2-9848	H.W.Raise 11'-17'	6	Tr.	0.2	0.2	Tr.
3-119	Upper Face	6	Tr.	Tr.	Tr.	Tr.
3-123	" "	6	Tr.	Tr.	Tr.	Tr.
3-127	Face	8	Tr.	0.1	Tr.	Tr.
3-136	"	8	Tr.	Tr.	Tr.	Tr.
3-138	Upper "	5-1/2	Tr.	Tr.	Tr.	Tr.
3-143	" "	5	Tr.	Tr.	Tr.	Tr.
3-147	Upper "	5	Tr.	Tr.	Tr.	Tr.
3-154	" "	5	Tr.	Tr.	Tr.	Tr.
3-158	" "	4	Tr.	0.2	Tr.	Tr.
3-163	" "	5	Tr.	Tr.	Tr.	Tr.
3-169	" "	4-1/2	Tr.	Tr.	Tr.	Tr.
3-171	Face	8	Tr.	0.1	Tr.	Tr.
3-181	Upper "	3-1/2	Tr.	Tr.	Tr.	Tr.
3-190	" "	5	Tr.	0.1	Tr.	Tr.
3-224	" "	5-1/2	Tr.	Tr.	Tr.	Tr.
3-237	" "	6-1/2	Tr.	Tr.	Tr.	Tr.
3-241	" "	4	Tr.	0.2	Tr.	Tr.
3-253	" "	7-1/2	Tr.	Tr.	Tr.	0.1
3-259	Center "	2-1/2	Tr.	0.2	Tr.	Tr.
3-269	Upper "	4-1/2	Tr.	0.1	Tr.	Tr.
	54-887 Raise					
2-9865	Center Face	1	Tr.	Tr.	Tr.	Tr.
2-9809	" "	6	Tr.	Tr.	Tr.	Tr.
2-9810	Lower "	3	Tr.	Tr.	Tr.	0.5
2-9812	" "	4	Tr.	Tr.	Tr.	Tr.
2-9882	Upper "	7	Tr.	Tr.	Tr.	Tr.
2-9885	Muck Grab		Tr.	Tr.	Tr.	Tr.
2-9813	Lower Face	4	Tr.	Tr.	Tr.	Tr.
2-9817	" "	2	Tr.	0.2	Tr.	Tr.
2-9821	Upper "	6	Tr.	Tr.	Tr.	0.6
2-9823	Lower "	2-1/2	Tr.	Tr.	Tr.	Tr.
289826	" "	3	Tr.	Tr.	Tr.	Tr.
2-9828	" "	3-1/2	Tr.	0.2	Tr.	0.4
2-9829	Center "	4	Tr.	Tr.	Tr.	Tr.
	(Vertical Raise)					
2-9900	North Wall -0'+06'	6	Tr.	Tr.	Tr.	Tr.
2-9830	" " 6'-11'	5	Tr.	Tr.	Tr.	Tr.
2-9831	" " 11'-14'	3	Tr.	0.1	Tr.	Tr.
2-9905	" " 21'-26'	5	Tr.	0.1	Tr.	Tr.
	(Along H.W. from 9th Set)					
2-9833	Upper Face	3	Tr.	Tr.	Tr.	Tr.
2-9834	Face	7	Tr.	Tr.	Tr.	Tr.
2-9930	"	7	Tr.	Tr.	Tr.	0.6
2-9840	Upper Face	3	Tr.	Tr.	Tr.	Tr.
2-9841	" "	3	Tr.	Tr.	Tr.	Tr.
2-9842	Center Face	4	Tr.	Tr.	Tr.	Tr.

SAMPLE NO.	LOCATION	LENGTH-FEET	Au	Ag	Pb	Zn
2-9843	Center Face	4	Tr.	Tr.	Tr.	Tr.
2-9946*	" "	1-1/2	Tr.	Tr.	Tr.	Tr.
2-9951	"	7	Tr.	Tr.	Tr.	Tr.
2-9957	"	7	Tr.	Tr.	Tr.	Tr.
2-9965	"	10	Tr.	0.2	Tr.	Tr.

* Crushed Porphyry

54-894 Raise

2-8861	Upper Face	1-1/2	Tr.	0.4	0.4	1.4
3-165	Center "	2-1/2	Tr.	1.0	0.5	3.2
2-8862	" "	1	Tr.	0.8	0.8	1.8
2-8863	" "	2	Tr.	0.1	Tr.	0.8
3-173	Lower Face	3-1/2	Tr.	0.7	0.4	1.7
3-174	" "	4-1/2	Tr.	0.4	0.3	1.6

54-894 Int. So.

2-8864	Lower Face	5	Tr.	0.7	0.6	1.5
2-8865	" "	4	Tr.	0.2	0.2	1.4
2-8866	" "	3	Tr.	0.5	0.3	1.7
3-180	Center "	2	Tr.	4.6	1.1	2.5
3-184	Lower "	5-1/2	Tr.	Tr.	Tr.	Tr.
3-188	Center "	4-1/2	Tr.	Tr.	Tr.	Tr.
3-189	" "	1	Tr.	1.0	1.1	2.7
2-8867	"	7	Tr.	Tr.	Tr.	0.3
3-192	Center "	5	Tr.	0.3	0.2	0.8
2-8868	" "	1-1/2	Tr.	0.5	0.3	1.6
3-195	Upper "	4	Tr.	0.8	0.8	2.9
3-200	" "	5	Tr.	2.0	1.6	3.3
3-36	" "	4	Tr.	0.5	0.3	2.5
3-205	" "	5	Tr.	12.2	10.1	5.2
3-40	" "	5	Tr.	6.1	6.4	3.0
3-211	Center Up-Dip Wall	4-1/2	Tr.	0.2	Tr.	0.8
3-212	Upper Face	6-1/2	Tr.	1.6	0.8	3.7
3-44	" "	6-1/2	Tr.	0.4	0.2	2.3
3-215	Face	9	Tr.	0.6	Tr.	2.5
3-218	Upper Face	6	Tr.	Tr.	Tr.	1.1
3-221	" "	5	Tr.	0.9	0.5	2.2
3-223	" "	5	Tr.	0.3	Tr.	2.2
3-227	Upper Face	5-1/2	Tr.	Tr.	Tr.	Tr.
3-229	" "	5	Tr.	0.3	0.2	1.2
3-230	" "	3	Tr.	0.6	0.2	1.2
3-231	" "	4-1/2	Tr.	0.1	Tr.	1.4
3-232	" "	4	Tr.	0.1	Tr.	Tr.
3-234	" "	4	Tr.	0.5	0.2	1.9
3-236	Center Face	2	Tr.	0.1	Tr.	1.3
3-238	" "	1-1/2	Tr.	0.2	Tr.	Tr.

54-900 Raise

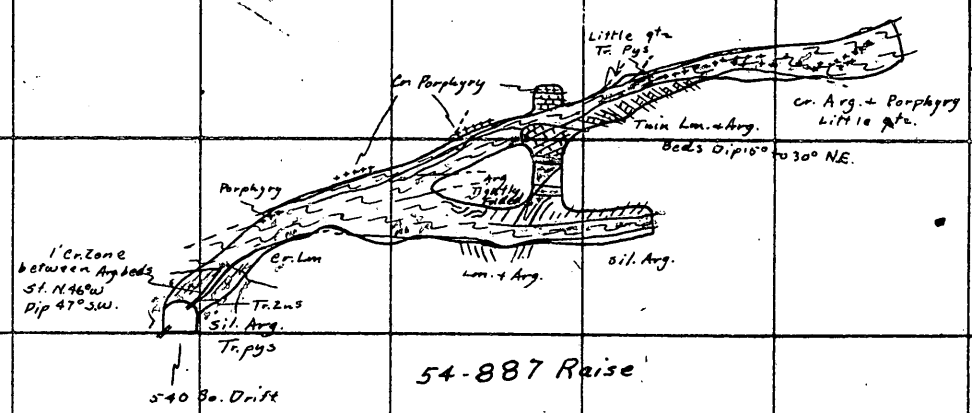
3-288	Upper Face	1-1/2	Tr.	0.8	0.2	1.1
3-292	" "	3	Tr.	Tr.	Tr.	Tr.
3-294	" "	4-1/2	Tr.	0.5	Tr.	1.3
3-297	Center "	4	Tr.	Tr.	Tr.	Tr.

SAMPLE NO.	LOCATION	LENGTH-FEET	Au	Ag	Pb	Zn
3-299	Center Face	3	Tr.	Tr.	Tr.	0.6
3-319	" "	5-1/2	Tr.	Tr.	Tr.	Tr.
		Test Hole No. 1				
0'-5'			Tr.	Tr.	Tr.	Tr.
5'-10'			Tr.	Tr.	Tr.	Tr.
10'-15'			Tr.	Tr.	Tr.	Tr.
15'-20'			Tr.	Tr.	Tr.	Tr.
20'-25'			Tr.	Tr.	Tr.	Tr.
		Test Hole No. 2				
5'-10'			Tr.	Tr.	Tr.	Tr.
10'-15'			Tr.	Tr.	Tr.	Tr.
15'-20'			Tr.	Tr.	Tr.	Tr.
20'-25'			Tr.	Tr.	Tr.	Tr.
		Test Hole No. 3				
0'-5'			Tr.	Tr.	Tr.	Tr.
5'-10'			Tr.	0.3	Tr.	Tr.
10'-15'			Tr.	Tr.	Tr.	Tr.
15'-20'			Tr.	Tr.	Tr.	Tr.
		Test Hole No. 4				
0'-6'			Tr.	Tr.	Tr.	Tr.
6'-11'			Tr.	Tr.	Tr.	Tr.
11'-15'			Tr.	Tr.	Tr.	Tr.
15'-21'			Tr.	Tr.	Tr.	Tr.

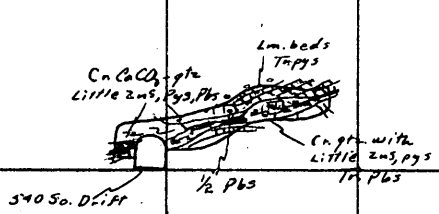
In as much as no ore was found by this project it was decided by all concerned to stop all work April 14, 1956. It was felt that the 307 feet of drifting left to be done would not improve the picture.

LOCATION 540 Level Raises MINE Triumph LEVEL
SURVEY POSITION
GEOLOGY BY SCALE 1" = 50' DATE

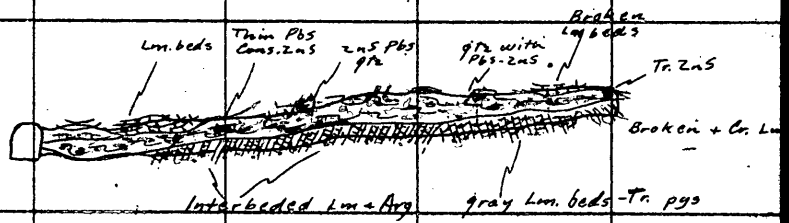
540 Level Raises
Scale - 1" - 50"



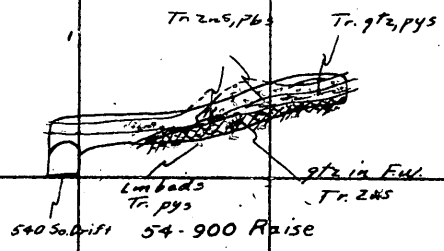
54-887 Raise



54-894 Raise



54-894 Int. South



54-900 Raise

Original
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MAY 21 1956

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
May 1, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John D. Bardill, Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-3394 (lead-zinc), Triumph Mining Company, Triumph mine, Blaine County, Idaho, Contract No. Idm-E696

A final inspection of this project was made April 19, 1956 with Mr. Carroll Livingston, mine superintendent.

The project had been recessed April 14, pending approval of a request of the Operator and the Field Team to Washington to terminate the contract by mutual consent before completion of the work because it was agreed that the target area had been adequately prospected without success. A termination agreement dated April 15, 1956 was approved by Washington and forwarded to the Operator.

The following work was completed and settlement should be made on this basis:

Stage I	Authorized Feet	Completed Feet
Main Crosscut	750	750
2-compartment vertical raise	300	196
Stage II		
Sublevel drifting	1,900	
540 level north		873
540 level south		701
540 level enlargement at raise		19
		1593
Dip raises	600	
54-887 raise		312
54-894 raise		197
Doghole No. 1 raise		31
Doghole No. 2 raise		29
		569

	Authorized Feet	Completed Feet
Stage II (continued)		
Timbering and/or rock bolting	1,900	
540 level north, 170 bolts (347 feet)		170 bolts
540 level north, timber		269
540 level south		706
540 level enlargement		19
		994 feet
		170 bolts
Main crosscut	750	
Timber		352
290 bolts (184 feet)		290 bolts
Dip raises	600	
54-887 raise		291
54-894 "		195
		486 X

Recapitulation

Stage I		
Main crosscut	750	750 X
Two-compartment vertical raise	300	196 X
Stage II		
Sublevel drifting	1,900	1,593
Dip raises	600	569 X
Timbering, main crosscut		
Timber 352 feet)		352 X
290 bolts (184 feet))	750	290 bolts X
Timbering, sublevel drifts	1,900	
Timber 994 feet		994
170 bolts (347 feet)		170 bolts X
Timbering, dip raises	600	486 X

The 71 feet for the 54-900 raise is disallowed because the Operator was advised prior to commencing the raise that it would not be approved.

Nowhere in the project workings was mineralization of near ore grade encountered. Generally, ore is found where the vein structure is steep. The vein where exposed in the drifts and raises was relatively flat, seldom exceeding 20 degrees.

A certification of discovery will not be recommended.

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

John D. Bardill

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

Budget Bureau No. 42-R1036.5

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

Month of March, 1956 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Timbering				5/29/56 WPK		
Drilling 10°-45° Raise	$ 65.00	$ 3,094.00	$ 3,159.00	65.00	3094.00	3159.00
Bulldozing						
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	16890.30	34,401.06	51,291.36	16890.30	34401.06	51291.36
Timb. sub-level	1306.50	4,485.00	5,791.50	1306.50	4485.00	5791.50
(2) Labor and Supervision:						
~~Labor~~ Raising		10,246.88	10,246.88		10246.88	10246.88
~~Supervision~~ Rsg. 10°-45°	309.20	17,284.28	17,593.48	309.20	17284.28	17593.48
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting	403.20	1,355.52	1,758.72	403.20	1355.52	1758.72
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$18974.20	$95,654.74	$114,628.94	18974.20	95654.74	114628.94

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

Date 4/7/56 *Payee TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

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

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

(Instructions on reverse)

1 cy 104a, narrative
& msp to Washington 5/4/56

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

$ 9487.10

Signature M. P.
(Authorized Certifying Officer)

Date 5/15/56 Vou. No. 1775
(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. E696 in accordance with the terms of the contract.

Signature 1st John D. Gardell Title Metallurgist Date april 16-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st A. E. Weissenborn Title Exec. Officer Date april 16/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Inswold
Klugscheid
Betty

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MAY 7 - 1956

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

Month of March 1956 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	$16890.30	490	$ 51,291.36	1488	$34.47	1900	$34.47
Crosscutting	Feet			22,500.00	750	30.00	750	30.00
Raising	Feet			10,246.88	196	52.28	300	52.28
~~Shafts~~ Raising 10°-45°	Feet	309.20	10	17,593.48	569	30.92	600	30.92
~~Winzes~~ Timbering	Feet			2,288.00	352	6.50	750	6.50
~~Drifting~~ ~~Core~~ Rf. Bolting	Bolt	403.20	105	1,758.72	458	3.84		
~~Churn~~ Rf. Bolting	Feet		255		611			
~~Auger~~ Timbering								
~~Stripping~~ 10°-45° Raise	Feet	65.00	10	3,159.00	486	6.50	600	6.50
~~Trenching~~ Timbering								
~~Test Pits~~ sub-level dft.	Feet	1306.50	201	5,791.50	891	6.50	1900	6.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$18974.20		$114,628.94				

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

Date 4/7/56 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

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

/s/ John D Bardill

Mutual termination has been requested

INSTRUCTIONS

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

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

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

GPO 872894

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MAY 7 - 1956

TRIUMPH MINING COMPANY
DMEA PROJECT REPORT
MARCH - 1956

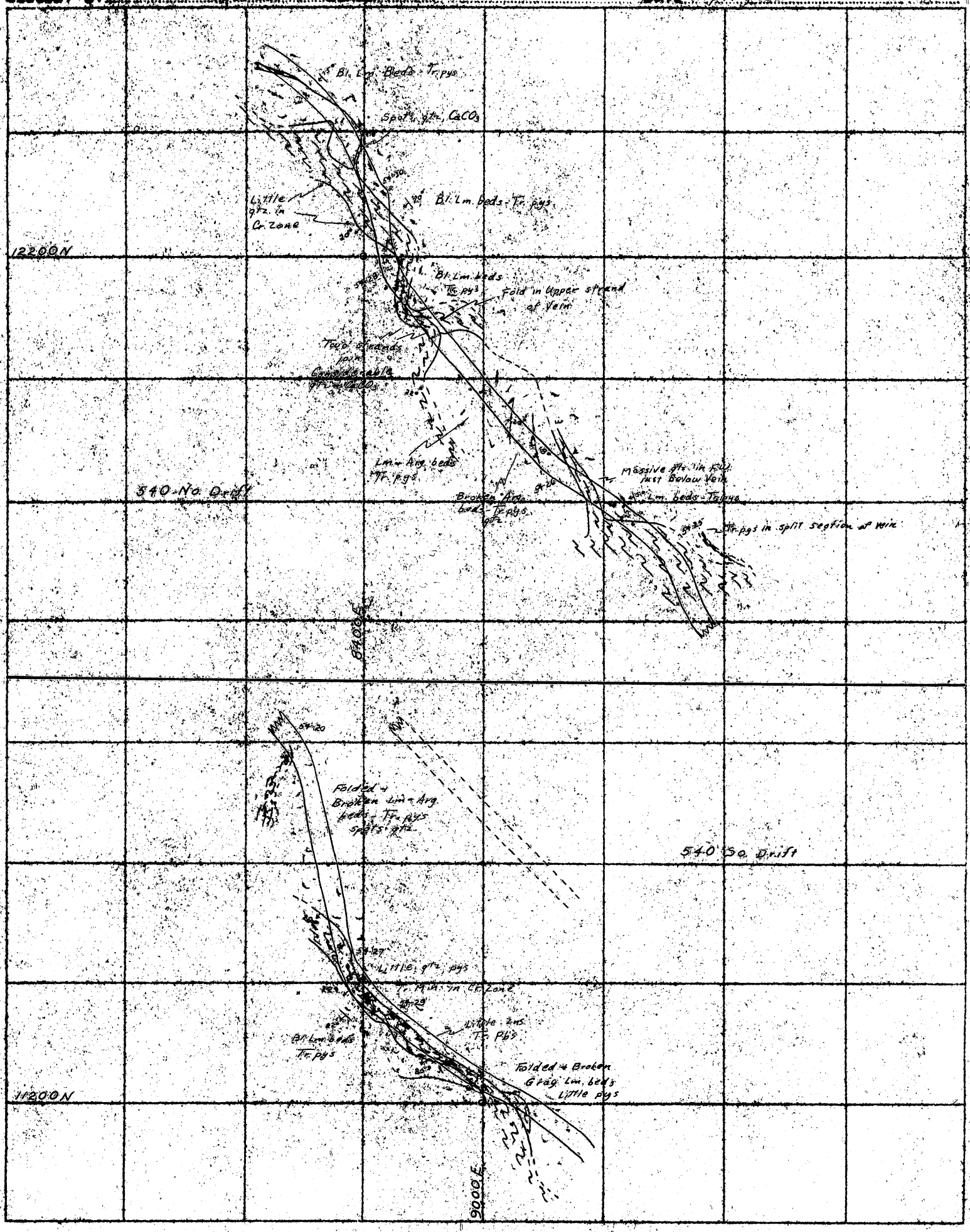
During the month of March 1956, 490 feet of drifting and 10 feet of up dip raising was completed on this project.

540 North Drift - Advance 281 feet. Face at north coordinate 12282 and east coordinate 8356. Following a structure to the NW. Structure consists of 2 to 5 feet of crushed argillite and limestone containing considerable calcite and some quartz. Footwall is hard argillite and the hangingwall is limey argillite.

540 South Drift - Advance 209 feet. Face at north coordinate 11180 and east coordinate 9045. First 59 feet in the footwall of the structure while the last 150 feet follows along the structure to the SE. First 59 feet all argillite. Last 150 feet the structure consists of 1 to 3 feet of crushed argillite and limestone overlying contorted argillite beds and underlying limey argillites. Some traces of pyrites, ZnS, and Pbs in the crushed zone.

54-894 Raise Intermediate South - Advance 10 feet. Still on the structure and some traces of mineral seen in the face. Project stopped.

LOCATION 540 No. & So. Drifts MINE Triumph LEVEL 540
SURVEY POSITION
GEOLOGY BY JMB - CCL - JNB SCALE 1" = 50' DATE Apr. 1, 1956

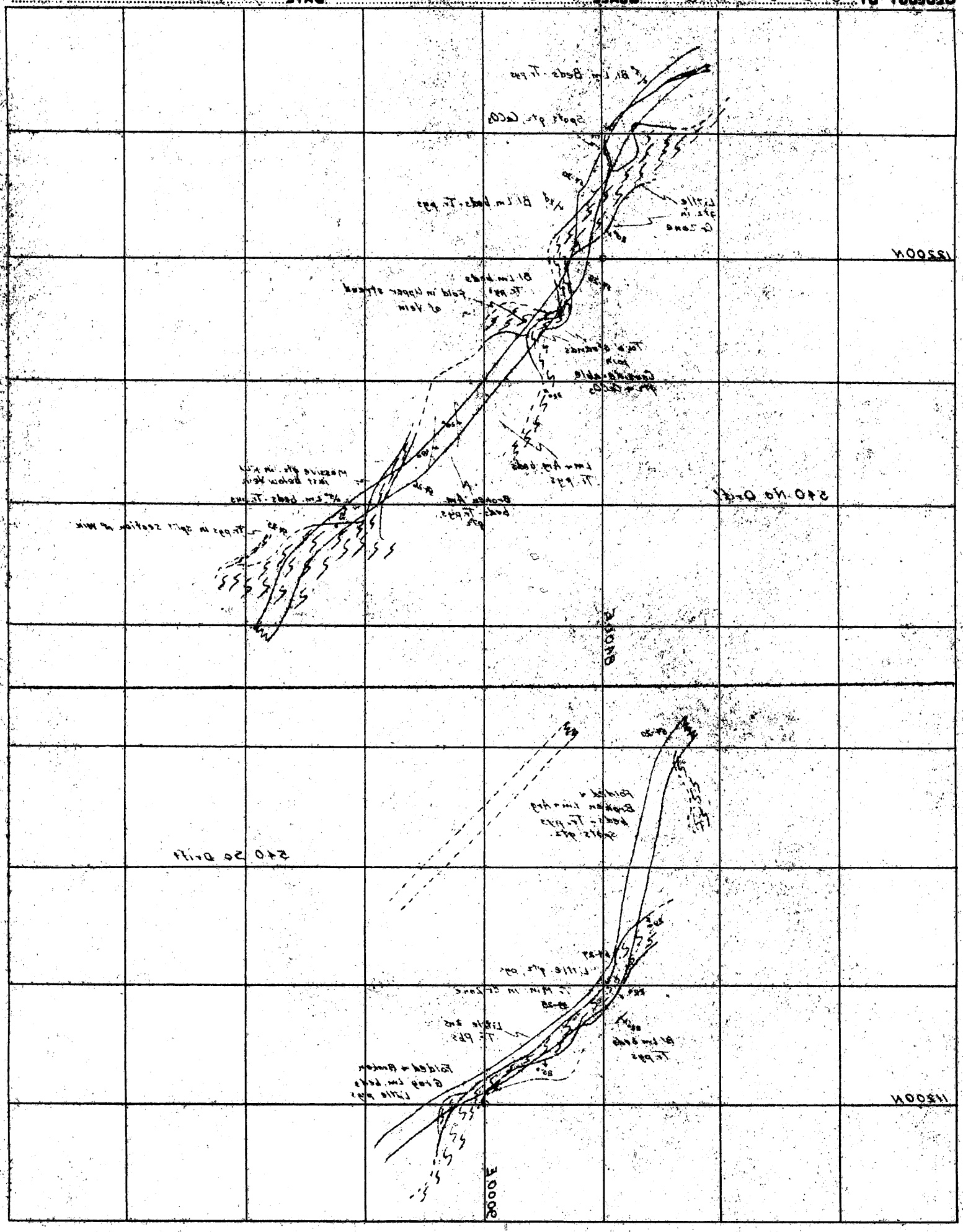


LOCATION 540 No + 50 Drift MINE Triumph

LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB - CCL - JNA SCALE 1" = 50' DATE Apr. 1, 1956



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
APR 23 1956

April 5, 1956

Grosvold
Betty

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan, Geologist, U. S. Geological Survey

Subject: Interim Report, Docket No. DMEA-3394 (Lead-Zinc), Triumph Mining Company, Triumph Mine, Blaine County, Idaho, Contract Idm-E696.

A routine inspection of the Triumph exploration project was made March 22, 1956, in company with Mr. Carroll Livingston, mine superintendent. At the time of the inspection, the following work had been completed:

Stage I	Authorized (max.)	Completed
(1) Crosscut on 700 level	750 feet	750 feet
(2) Vertical raise from 750 level	300 feet	196 feet

(Stage I of project completed June 1955)

Stage II		
(1) Sublevel drifting (540 level)	1,900 feet	1,265 feet
(2) Raises from 540 level	600 feet	569 feet

At the time of the inspection the Operator was working both the 540 level drift north and 540 level drift south on a two-shift basis. At the present rate of advance the Operator expects to complete the project about June 1, 1956.

The geology of the 540 level and the raises driven from the level to test the structure are shown on the map accompanying this memorandum.

As is evident on the accompanying map, the shear zone tested on the 540 level is a strong structure. In places it contains fair amounts of quartz, calcite and pyrite, and sparse amounts of sphalerite and galena. At no place is the concentration of sphalerite and galena sufficient to be of economic interest.

The best showing of sphalerite and galena is in the 54-894 intermediate "raise" from the 54-894 raise. Samples taken by the Operator from the intermediate "raise" indicate an average grade of Tr gold, 1.1 ounces silver per ton, 0.7 percent lead, and 1.3 percent zinc. A sample taken during the inspection at a point 123 feet south of the main raise where there was better than average sphalerite and galena assayed no gold, 0.4 ounce of silver per ton, 1.1 percent lead, and 1.9 percent zinc. This sample was cut over a width of 3.5 feet.

At the time of the inspection samples were also cut at the faces of the 540 level north and south drifts. The sample taken at the north face, 3.4 feet wide, assayed no gold, 0.05 ounce of silver per ton, no lead, and a trace of zinc. The sample taken at the south face, 4.4 feet wide, assayed no gold, 0.05 ounce of silver per ton, no lead, and 0.1 percent zinc.

I have plotted the boundary of the contract area on the map of the 540 level. It will be noted that the workings are approaching the boundary of the contract area. I was not aware of this condition at the time of the inspection and it was not until April 3 during the course of a telephone conversation with Mr. Livingston that I learned of it. Mr. Livingston reported that the north drift had been advanced to within 40 feet of the boundary line. I told him that work on this heading should stop immediately.

Attachment 1

Distribution:
DMEA (Orig. and 3)
USGS (2)
USBM (AD)
Docket
Quinlan

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

Budget Bureau No. 42-R1036.5

RECEIVED
MAR 26 1956

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

Month of February, 1956 Docket No. DMEA 3394 Contract No. I.D.M.696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50% Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Timbering				4/3/56	O.K.K.	
Drilling 10°-45° Raise	$ 812.50	$ 2,281.50	$ 3,094.00	812.50	2281.50	3094.00
Bulldozing						
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	2516.31	31,884.75	34,401.06	2516.31	31884.75	34401.06
Timbering sub-level	175.50	4,309.50	4,485.00	175.50	4309.50	4485.00
(2) Labor and Supervision:						
Raising		10,246.88	10,246.88		10246.88	10246.88
Rsg. 10°-45°	4730.76	12,553.52	17,284.28	4730.76	12553.52	17284.28
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting	57.60	1,297.92	1,355.52	57.60	1297.92	1355.52
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$8292.67	$87,362.07	$95,654.74	8292.67	87362.07	95654.74

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

Date 3/16/56 *Payee TRIUMPH MINING COMPANY

Per J M Robinson Title General ~~Ledger~~ Mgr

*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:

$ 4146 34

Signature M O P
(Authorized Certifying Officer)

Date 3/22/56 Vou. No. 1740
(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. E696 in accordance with the terms of the contract.

Signature /s/ John D. Bardill Title Metallurgist Date 3/12/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec Officer Date 3/19/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
MAR 26 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of FEBRUARY 1956 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$2516.31	73	$34,401.06	998	$34.47	1900	$34.47
Crosscutting	Feet			22,500.00	750	30.00	750	30.00
Raising	Feet			10,246.88	196	52.28	300	52.28
~~Shafts~~ Raising 10°-45°	Feet	4730.76	153	17,284.28	559	30.92	600	30.92
~~Winzes~~ Timbering				2,288.00	352	6.50	750	6.50
~~Drifting, Core~~ Roof Bolt.	Bolt	57.60	15	1,355.52	353	3.84		
~~Chuck~~ Roof Bolt.	Feet		45		356			
~~Auger~~ Timbering								
~~Stripping~~ 10°-45° Raise	Feet	812.50	125	3,094.00	476	6.50	600	6.50
~~Trenching~~ Timbering								
~~Test Pits~~ sub-level dft.	Feet	175.50	27	4,485.00	690	6.50	1900	6.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$8292.67		$95,654.74				

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

Date 3/6/56 Operator TRIUMPH MINING COMPANY

Per T M Rapinoe Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY
D.M.E.A. REPORT
FEBRUARY, 1956

During the month of February 73 feet of Drifting and 153 feet of raising was completed.

540 North Drift was advanced 93 feet. Face at north coordinate 12071 and east coordinate 8534. The structure consisted of highly crushed argillite and lime beds containing considerable calcite with minor amounts of quartz and traces pyrite and zinc. The footwall was hard argillite. At north coordinate 12031 and east coordinate 8566 a hangingwall raise was driven 29 feet through the structure into solid dark lime beds. Traces of quarts and pyrite only were observed.

54-894 Raise Intermediate south was advanced 124 feet along the mineral bearing structure. The footwall was interbedded lime and argillite and gray lime beds containing traces of pyrite. The hangingwall where observed was badly broken lime beds. The average face samples were as follows;

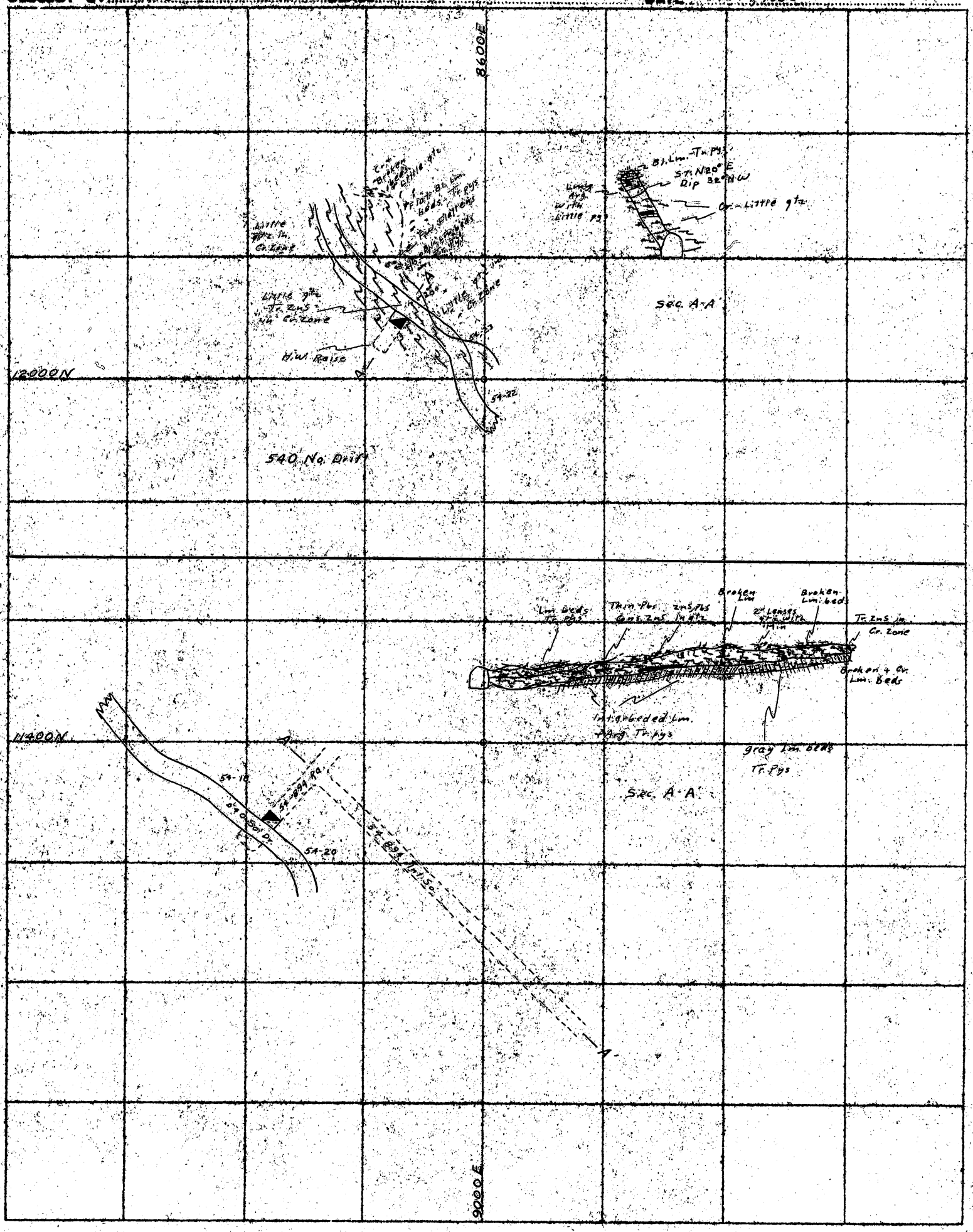
Width- 4.8 feet, Au- Tr, Ag- 0.8, Lead- 0.6%, Zinc 1.7%.

W

LOCATION 540 No. Drift + 54-894 Int. Sp. **MINE** Triumph **LEVEL** 540

SURVEY **POSITION**

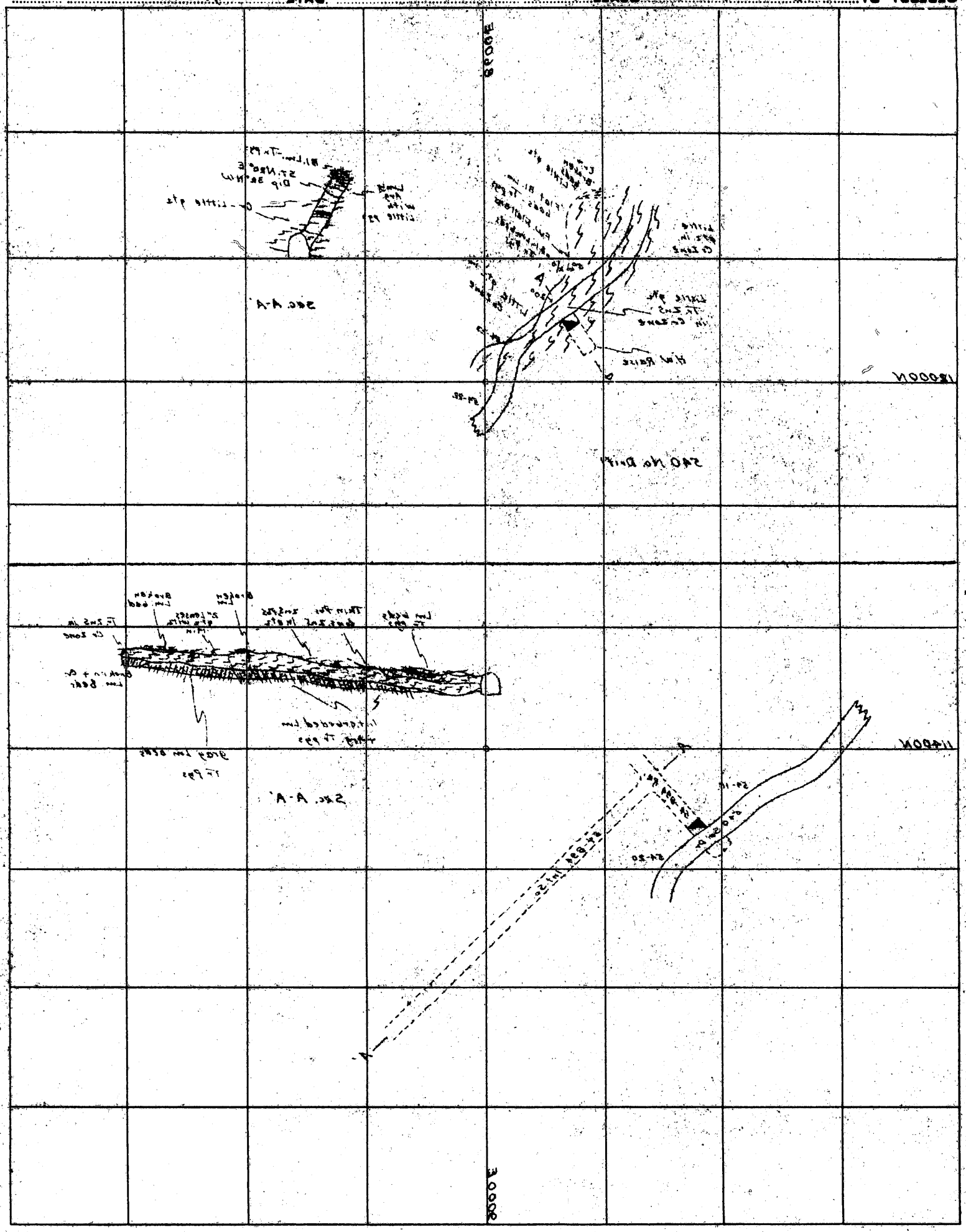
GEOLOGY BY JMB - CCL - JNB **SCALE** 1" = 50' **DATE** Mar. 6, 1956



LOCATION 540 No Drift & 34-89A Int Sec MINE Tillman LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB - CCK - JNB SCALE 1" = 50' DATE Mar 1, 1956



Form ME-134 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

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

Month of January, 1956 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name Triumph Mining Company Minerals Lead-Zinc
Address Triumph, Idaho
Contract Amount, 143,354.00 Government Participation 50 % Amount, $71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				2/27/56 [illegible]		
Drilling Timbering 10°-45°						
Bulldozing Raise	390.00	1,891.00	2,281.50	390.00	1891.50	2281.50
Crosscutting	[illegible]	22,500.00	22,500.00		22500.00	22500.00
Drifting	6,445.89	25,438.86	31,884.75	6445.89	25438.86	31884.75
Timbering sub-level	318.50	3,991.00	4,309.50	318.50	3991.00	4309.50
(2) Labor and Supervision:						
Labor Raising		10,246.88	10,246.88		10246.88	10246.88
10°45° Supervision Raising	1,947.96	10,605.56	12,553.32	1947.96	10605.56	12553.52
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof bolting	184.32	1,113.60	1,297.92	184.32	1113.60	1297.92
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$9,286.67	$78,075.40	$87,362.07	9286.67	78075.40	87362.07

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

Date 2/8/56 *Payee Triumph Mining Company

Per T M Rabiusa Title General Manager

*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:

$4643 34

Signature M.P. (Authorized Certifying Officer)

Date 2/16/56 Vou. No. 1713

(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. E696 in accordance with the terms of the contract.

Signature 151 John D. Bardill Title Metallurgist Date 2/16/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Wm G Agnew Title acting Exec Officer Date 2/16/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB 20 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1956 Docket No. DMEA 3304 Contract No. D.M.E. 696

Operator's Name Triumph Mining Company

Address Triumph, Idaho

Minerals Lead-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	Feet	6,445.89	187	31,834.75	925	34.47	1900	34.47
Raising	Feet			22,500.00	750	30.00	750	30.00
Shafts	Feet			10,246.00	196	52.28	300	52.28
Winzes	Feet	1,947.00	63	12,653.52	406	30.92	600	30.92
Timbering	Feet			2,208.00	352	6.50	750	6.50
Drilling: Core	Bolt	104.32	48	1,297.02	338	3.84		
Roof Bolting	Feet		127		311			
Churn								
Auger								
Timbering								
Stripping	Feet	390.00	60	2,281.50	351	6.50	600	6.50
Trenching								
Test Pits								
Raise	Feet	318.50	49	4,309.50	663	6.50	1000	6.50
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$9,206.67		$87,362.07				

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

Remarks:

Date 2/8/56 Operator Triumph Mining Company

Per T. M. Robinson Title General Manager

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

(Instructions on reverse)

(For Government use only)

/s/ John D Barsell

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY
DMEA REPORT
JANUARY - 1956

During the month of January 1956 187 feet of drifting was completed along with 65 feet of raising on this DMEA project.

540 North Drift - Advance 137 feet. Face at north coordinate 11222 and east coordinate 8586. Following along the footwall of a wide crushed zone. This structure consists of very crushed argillite and limestone containing considerable calcite and occasionally some quartz. Footwall all hard argillite. No true hangingwall seen. No timber used; however, did use 48 roof bolts over a distance of 127 feet.

540 South Drift - Advance 50 feet. Face at north coordinate 10343 and east coordinate 8928. Following along the footwall of a wide crushed zone to the SE. The structure consists of crushed argillite and limestone containing fragments of quartz and calcite. No true hangingwall seen. At a point 40 feet back from the face a one foot ~~zone~~ within the main crushed zone containing some scattered mineralization was cut; this zone lies just above the footwall and continued to the face. The mineralization consists of scattered particles of pyrites, ZnS and an occasional speck of PbS. 10 feet from the face the footwall flattened and swung sharply to the South making it almost impossible to keep the drift on the footwall. The average of the face samples for this 40 feet is - Width- 1.6 ft, Au- Tr, Ag- 1.3 oz, Pb- 1.1 %, Zn- 2.4 %.

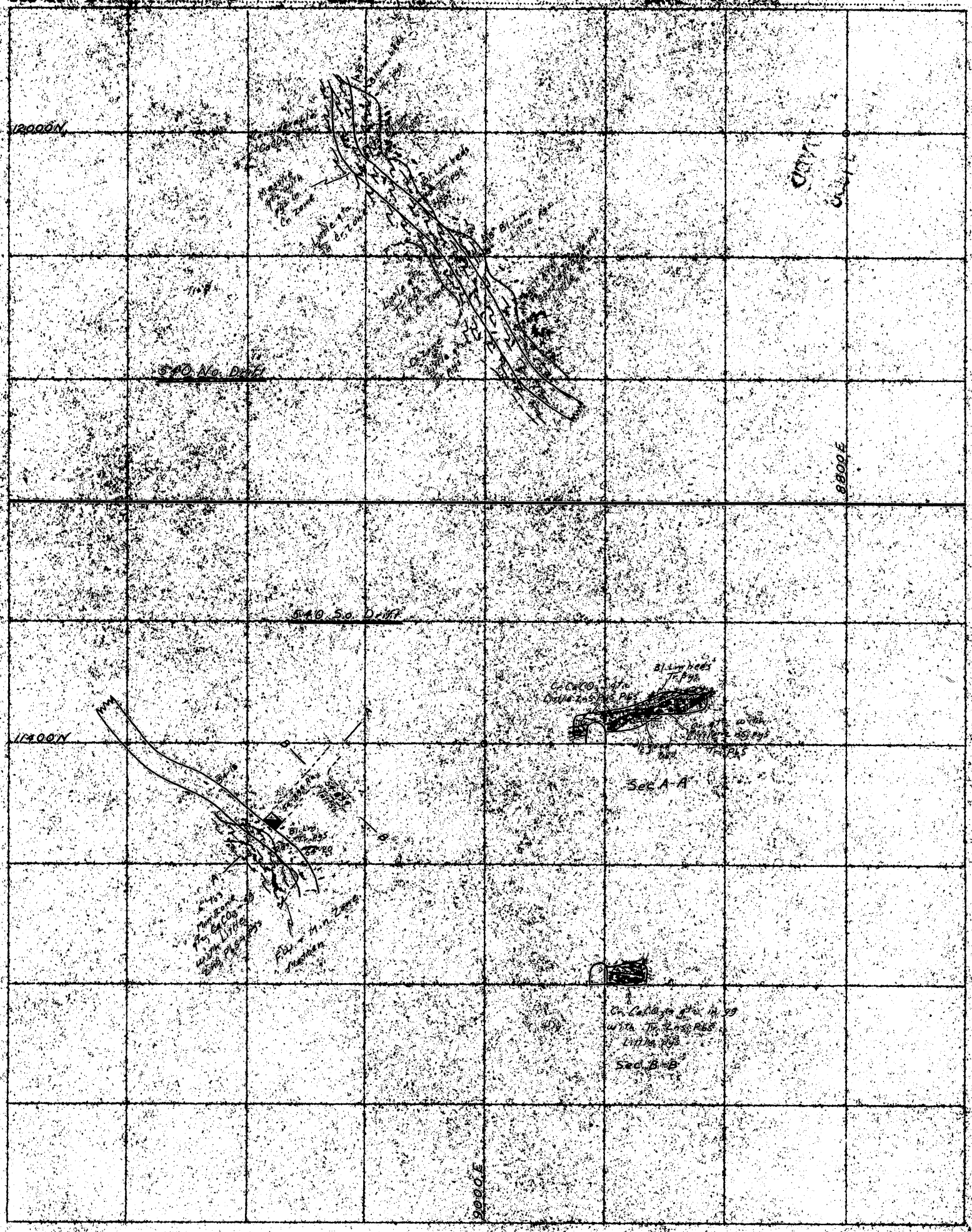
54-894 Raise - Advance 46 feet. At north coordinate 11365 and east coordinate 8910 an up dip raise was started from the 540 South Drift on the mineralized structure. Some nice - ¼ to ½ inch - fragments of PbS were found in the first 25 feet of this raise. At a point 40 feet up dip from the Drift a small South dipping East-West fault crossed the structure and the mineral zone although not cut narrowed down to 4 to 5 inches at the face. The average of the face samples for this 46 feet is - Width - 2.1 ft, Au- Tr, Ag- 0.6 oz, Pb- 0.5 %, Zn- 1.9 %.

54-894 Raise Intermediate Drift South - Advance 17 feet. At a point 35 feet up dip from the Drift in the 54-894 Raise a heading was started off to the SE following the mineralized structure. The main structure in this heading consists of 7 to 8 feet of crushed argillite and limestone having the bottom 3 to 5 feet containing some mineralization. A limestone hanging wall overlays the main structure. The mineralization consists of scattered fragments of pyrites and ZnS and an occasional speck of PbS. The average of the face samples for this 17 feet is - Width- 3.5 ft, Au- Tr, Ag- 1.1 oz, Pb- 0.5 %, Zn- 1.4 %.

LOCATION 540 No. So. Drifts - 54-121 Raise MINE Transvaal LEVEL 540

SURVEY POSITION

GEO. DEPT. By JTB. ECL. JNB SCALE 1" = 50' DATE Feb. 1, 1946



LOCATION 340 Adit So. Drift - [illegible] MINE [illegible]

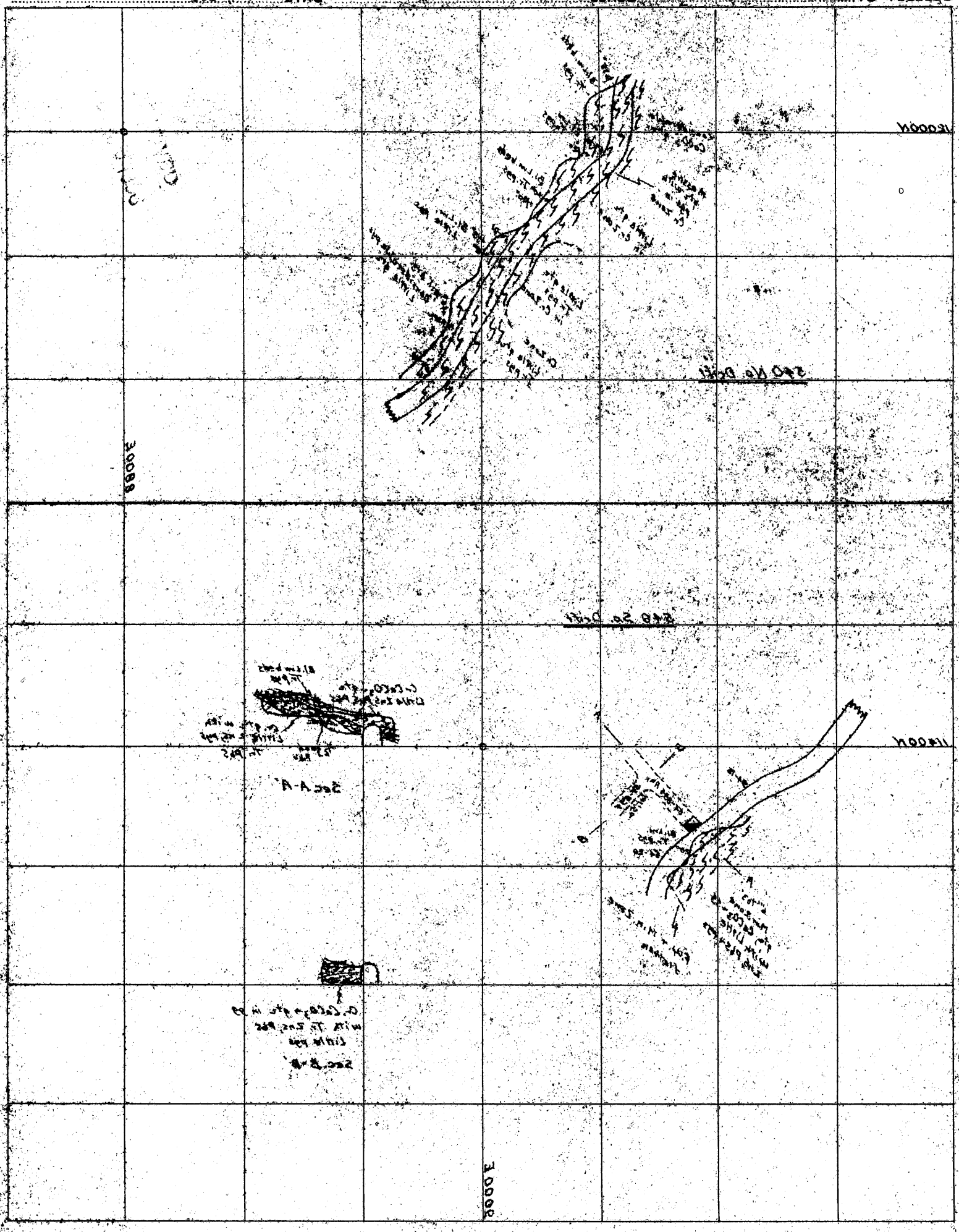
SURVEY

GEOLOGY BY [illegible] SCALE 1"=50'

DATE Feb 1 1956

LEVEL 540

POSITION



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

Budget Bureau No. 42-R1036.5

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

RECEIVED FEB - 6 1956

Month of December, 195 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $43,354.00 Government Participation 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form Timbering 10°-45- Raise	$	$ 1,891.50	$ 1,891.50		1891.50	1891.50
Bulldozing						
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	$7755.75	17,683.11	25,438.86	7755.75	17683.11	25438.86
Timbering Sub Level	760.50	3,230.50	3,991.00	760.50	3230.50	3991.00
(2) Labor and Supervision:						
Raising		10,246.88	10,246.88		10246.88	10246.88
Ra. 10°-45°		10,605.56	10,605.56		10605.56	10605.56
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental				2/14/56	[illegible]	
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$8516.25	$69,559.15	$78,075.40	8516.25	69559.15	78075.40

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

Date 1/10/56 *Payee TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

*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:

$ 4258 13

Signature M&P
(Authorized Certifying Officer)

Date 2/3/56 Vou. No. 1702
(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 696 in accordance with the terms of the contract.

Signature 151 John D Bardell Title Metallurgist Date Jan 23-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W Goldoft Title Mining Engr Date 1-27-56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB - 6 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1955 Docket No. DMEA 3396 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	$7755.75	225	$25,438.06	738	$34.47	1900	$34.47
Crosscutting	Feet			22,500.00	750	30.00	750	30.00
Raising	Feet			10,246.88	196	52.28	300	52.28
~~Shaft~~ Ra. 10°-45°	Feet			10,605.56	343	30.92	600	30.92
~~Winze~~ Timbering	Feet			2,288.00	352	6.50	750	6.50
~~Drilling-Core~~ Roof Bolt.	Bolt			1,113.60	290	3.84	290	3.84
Churn								
~~Auger~~ Timbering								
Stripping ~~10°-45° Raise~~	Feet			1,891.50	291	6.50	600	6.50
~~Trenching~~ Timbering								
~~Test Pits~~ Sub-level drft.	Feet	760.50	117	3,991.00	614	6.50	1900	6.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$8516.25		$76,075.40				

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

Date 1/10/56 Operator TRIUMPH MINING COMPANY

Per T M Rickman Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/S/ John D Bardell

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY
D.M.E.A. PROJECT REPORT
DECEMBER, 1955

During the month of December 1955, 225 feet of drifting was completed on this D.M.E.A. project.

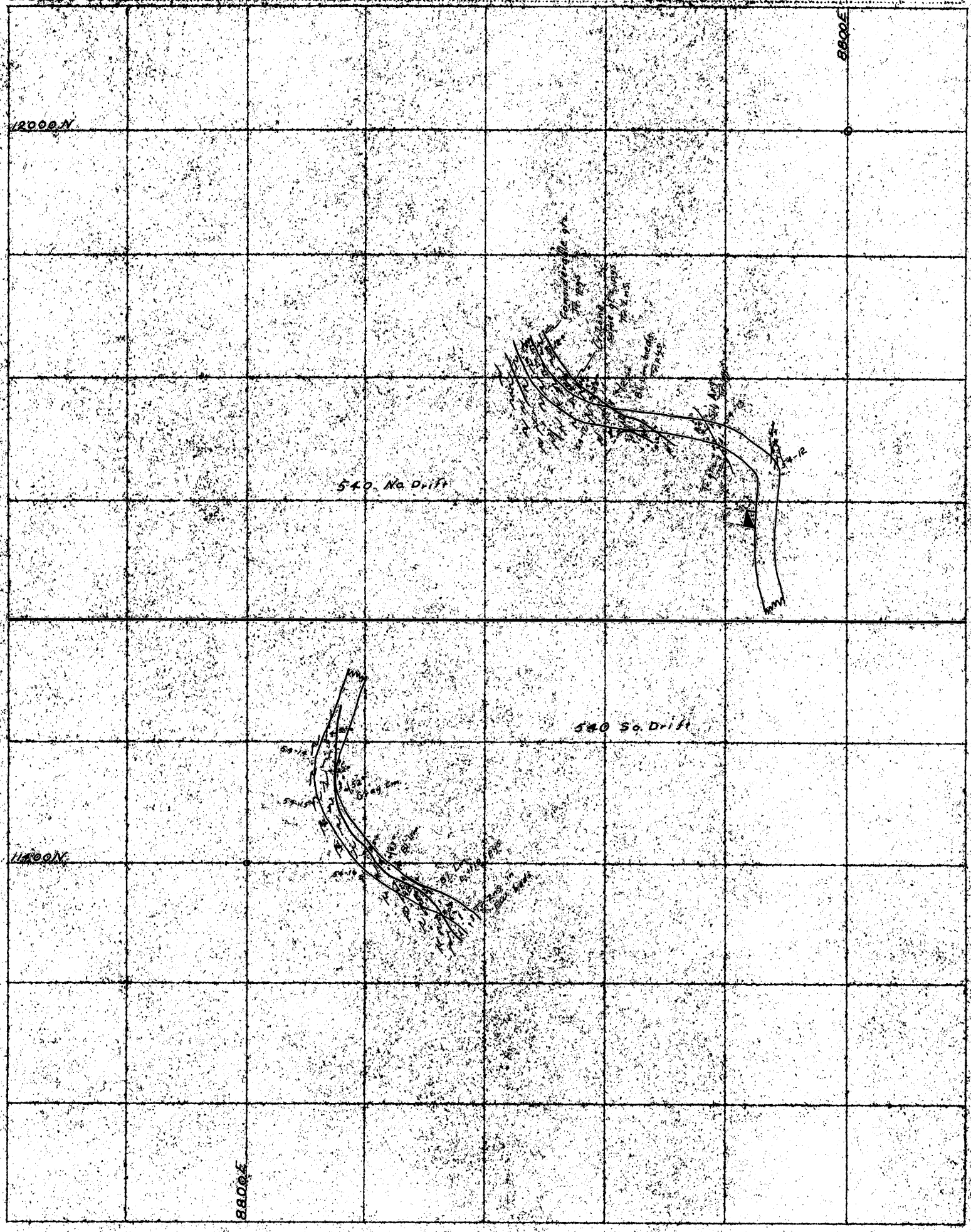
540 North Drift - Advance 113 feet. Face at Triumph north coordinate 11917 and east coordinate 8665. First 18 feet in hard argillite footwall. At Triumph north coordinate 11883 and east coordinate 8723 the footwall of a wide crushed structure was cut. The heading was turned and followed this structure to the NW. This structure consists of a wide (no handingwall seen), tight, very crushed mass of crushed argillite and limestone containing considerable calcite and some quartz. Footwall is hard argillite.

540 South Drift - Advance 112 feet. Face at Triumph north coordinate 11375 and east coordinate 8895. Following the footwall of a wide crushed structure to the SE. This structure consists of a very wide (no hangingwall seen) crushed zone of argillite and limestone containing many fragments of calcite and quartz. Considerable water being made along this structure. Footwall consists of hard argillite.

LOCATION 540 No. + 540 So. Drifts MINE Triumph LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB - CCL - JNB SCALE 1" = 50' DATE Jan. 1, 1956



LOCATION 540 No. & 540 So. Drifts MINE Tiskwa LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB - CEA - GMB SCALE 1"=50' DATE Jan. 1 1956

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
DEC 20 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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:				12/28/55		
timbering sub-level drift	$ 747.50	$ 2,483.00	$ 3,230.50	747.50	2483.00	3230.50
timbering 10°-45° Raise	130.00	1,761.50	1,891.50	130.00	1761.50	1891.50
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	4481.10	13,163.71	17,644.81	4481.10	13163.71	17644.81
Drifting	38.30		38.30	38.30		38.30
(2) Labor and Supervision:						
Raising		10,246.88	10,246.88		10246.88	10246.88
Ra. 10°-45°	2195.32	8,410.24	10,605.56	2195.32	8410.24	10605.56
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$7592.22	$61,966.93	$69,559.15	7592.22	61966.93	69559.15

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 12/9/55 *Payee TRIUMPH MINING COMPANY
Per T M Robinson Title General Manager

*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:

$ 3796 11

Signature M D P
(Authorized Certifying Officer)

Date 12-15-55 Vou. No. 1670
(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. E696 in accordance with the terms of the contract.

Signature /s/ John D. Bardill Title Metallurgist Date 12-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Eng. Date 12-13-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ME-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 20 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$4481.10	130	$17,644.81	513	$34.47	1900	$34.47
Crosscutting	Feet			22,500.00	750	30.00	760	30.00
Raising	Feet			10,246.88	196	52.28	300	52.28
Rais. 10°-45°	Feet	2195.32	71	10,605.56	343	30.92	600	30.92
Timbering	Feet			2,288.00	352	6.50	700	6.50
Roof Bolt	Bolt			1,113.60	290	3.84	290	3.84
Churn								
Timbering								
10°-45° Raise	Feet	130.00	20	1,891.50	291	6.50	600	6.50
Timbering								
sub-level	Feet	747.50	115	3,230.50	497	6.50	1900	6.50
Drifting 383 Ft. @ $0.10		38.30		38.30				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$7592.22		$69,559.15				

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

Date 12/9/55 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY
DMEA REPORT
NOVEMBER, 1955

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During the month of November 1955, 130 feet of drifting and 71 feet of raising was completed on this DMEA project.

The 540 North Drift was advanced 84 feet. With the face at Triumph north coordinate 11870 and east coordinate 8757. Followed the footwall of a wide crushed zone. At north coordinate 11830 and east coordinate 8765 a small N65°W fault dipping 76° to the north was cut and appears to have offset the main crushed zone. After passing thru the fault followed a narrow crushed zone for 40 feet; this zone narrowed down from 3 feet thick to 6 inches in this 40 foot distance. Turning the heading to the left to pick up the offset portion of the main structure.

At north coordinate 11842 and east coordinate 8760 on the 540 North Drift a small 79° raise was put up into the hanging wall to probe for the main structure which was offset by the small fault encountered in the drift. Cut an 8 foot crushed zone 8 feet up which appears to be the main structure. The last 15 feet was in blank limestone. A long hole was put up in the end of the raise and 20 feet of porphyry was cut 7 feet from the collar of the hole.

54-877 Raise Up-dip was advanced 40 feet. Followed the crushed zone up dip. Zone consisted of from 2 to 8 feet of crushed argillite and limestone and some porphyry. A test hole in the back at the face showed hard porphyry. Project stopped.

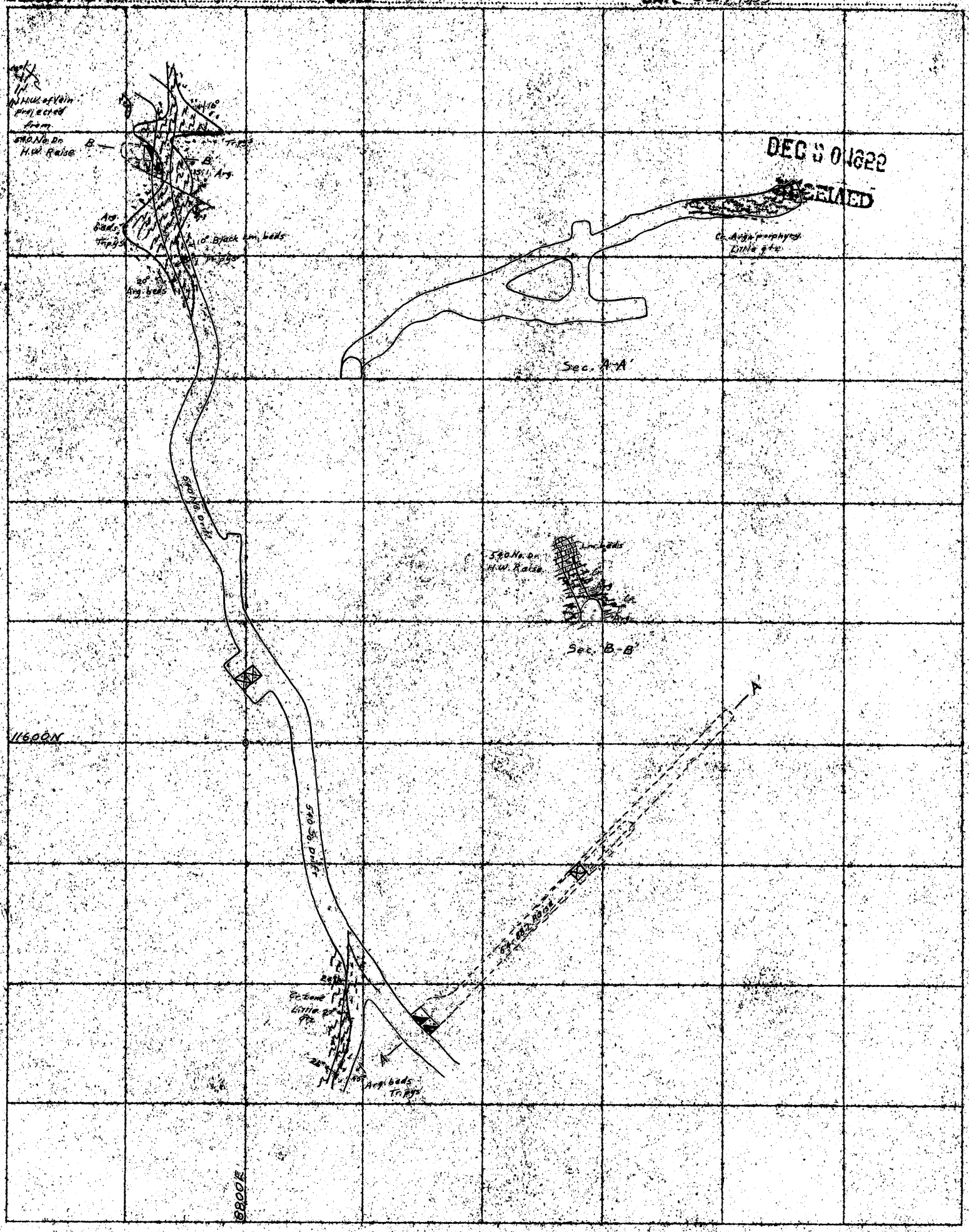
At north coordinate 11500 and east coordinate 8842 where a large crushed zone or structure took off into the hanging wall of the 540 South Drift a heading was turned off following the structure to the south. This heading was advanced X 46 feet with the face at north coordinate 11456 and east coordinate 8835. This structure consists of 6 to 8 feet of crushed argillite and limestone containing considerable calcite with a little quartz. Footwall is hard argillite.

In as much as the structure in the first face of the South Drift was but an inch or two wide it was felt that it was a minor footwall thing and that the main structure is the one being followed now.

LOCATION 540 No. - Sq. Drift - 54-88 Raise MINE Triumph LEVEL 540

SURVEY POSITION

GEOLOGY BY J.M.B. - G.C.L. - J.N.B. SCALE 1" = 50' DATE Dec. 1935



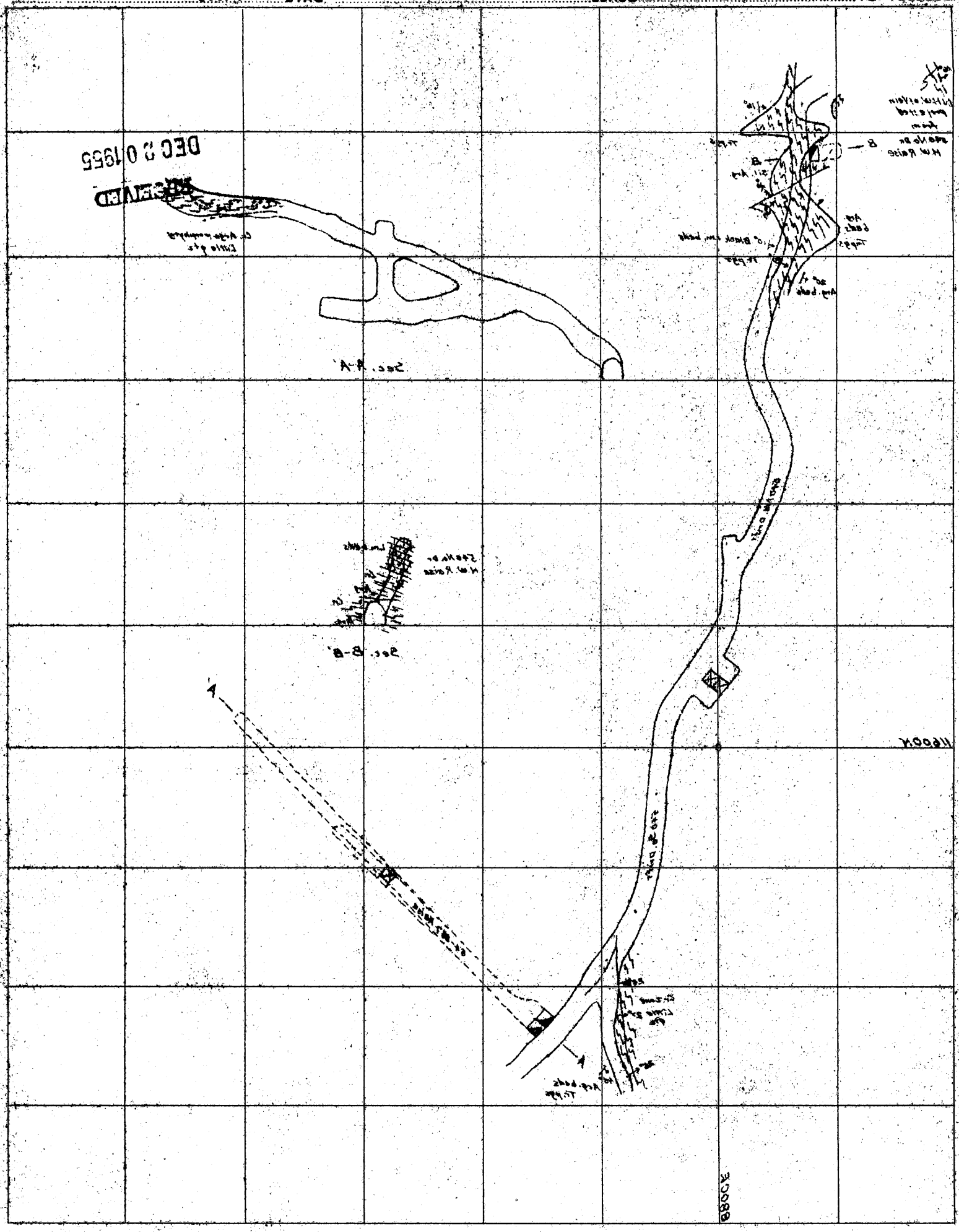
LOCATION 340 Mr-50 Drifts + 54-88 Raise MINE Truman

SURVEY

GEOLOGY BY JMB-CCL-JMB SCALE 1"=50 DATE Dec 1 1955

POSITION

LEVEL 540


DEC 3 0 1955
RECEIVED
Sec. A-A'
Sec. B-B'
B
A
A'
Raise
Drifts
Drifts
Drifts

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

Budget Bureau No. 42-R1036.5

RECEIVED
NOV 21 1955

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

Month of October 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						Klugescheid
~~Drifting~~ Timb. Sub-level drift	$ 747.50	$ 1,735.50	$ 2,483.00	747.50	1735.50	2483.00
~~Building~~ Timbering 10°-45° Raise	851.50	910.00	1,761.50	851.50	910.00	1761.50
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	3952.55	9,211.16	13,163.71	3952.55	9211.16	13163.71
Raising		10,246.88	10,246.88		10246.88	10246.88
(2) Labor and Supervision:						
~~Labor~~ 10°-45° Raising	4081.44	4,328.80	8,410.24	4081.44	4328.80	8410.24
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$9632.99	$52,333.94	$ 61,966.93	9632.99	52333.94	61966.93

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

Date 11/10/55 *Payee TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

*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:

$ 4816.50

Signature M D P
(Authorized Certifying Officer)

Date 11-16-55 Vou. No. 1649

(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. 6696 in accordance with the terms of the contract.

Signature (S) John D Bardell Title Metallurgist Date Nov 14 - 55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen W Zoldok Title Mining Engr Date 11-14-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
NOV 21 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$3952.55	115	$ 13,163.71	383	$34.37	1900	$34.37
Crosscutting	Feet			22,500.00	750	30.00	750	30.00
Raising	Feet			10,246.88	196	52.28	300	52.28
~~XXXXX~~Raising 10°-45°	Feet	4081.44	132	8,410.24	272	30.97	600	30.97
~~XXXXX~~ Timbering	Feet			2,288.00	352	6.50	750	6.50
~~XXXXXXXXX~~Roof Bolt	Bolt			1,113.60	290	3.84	290	3.84
Churn								
Auger								
~~XXXXXXXXX~~ Timbering								
Trenching 10°-45°Raise	Feet	851.50	131	1,761.50	271	6.50	600	6.50
~~XXXXX~~ Timbering								
~~XXXXXXXXX~~Sub-level	Feet	747.50	115	2,483.00	382	6.50	1900	6.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$9632.99		$ 61,966.93				

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

Date 11/10/55 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

/S/ John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY

DMEA PROJECT REPORT

OCTOBER 1955

During the month of October 113 feet of sub level drifting, 110 feet of up dip raising and 22 feet of single compartment vertical raising was completed on this DMEA project.

The 540 North Drift was advanced 113 feet with face at Triumph north coordinate 11785 and east coordinate 8775. This heading followed the footwall of a wide crushed zone. This crushed zone consists of very crushed material--probably argillite and limestone--with an occasional spot of quartz and considerable calcite; no hangingwall seen. The footwall of this structure consists of hard limey argillite with an occasional large inclusion of quartz. This structure seems to be striking just a little west of north and dipping 13° to 30° to the west.

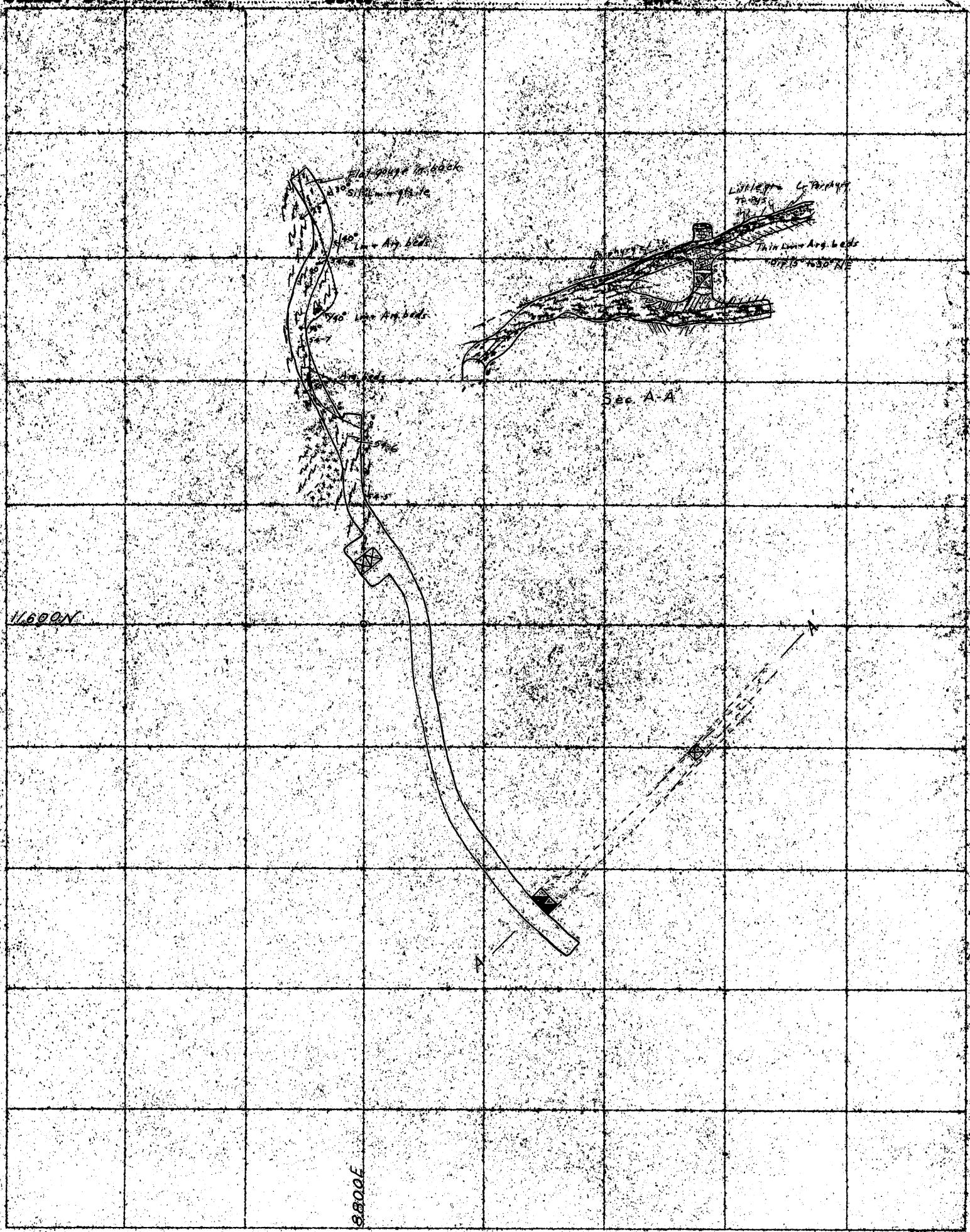
54-887 Raise (Vertical one compartment) was advanced 22 feet. At a point 25 feet above the flat up dip raise a gouge structure was encountered. This structure consists of from 3 to 4 feet of crushed material along with a little crushed porphyry. The raise was terminated in hard solid porphyry.

54-887 Raise (Up dip) was advanced 110 feet. At a point where the footwall structure flattened off and a hangingwall structure was seen taking off into the hanging the back was shot down and the hangingwall structure followed. This heading crossed the vertical raise at the same point where the structure was cut in the vertical raise. Following the structure up dip beyond the vertical raise. Structure consists of from 2 to 3 feet of crushed material and gouge and some crushed porphyry.

LOCATION S.A.O. No. Drift 54-887 Raise MINE Triumph LEVEL 540

SURVEY POSITION

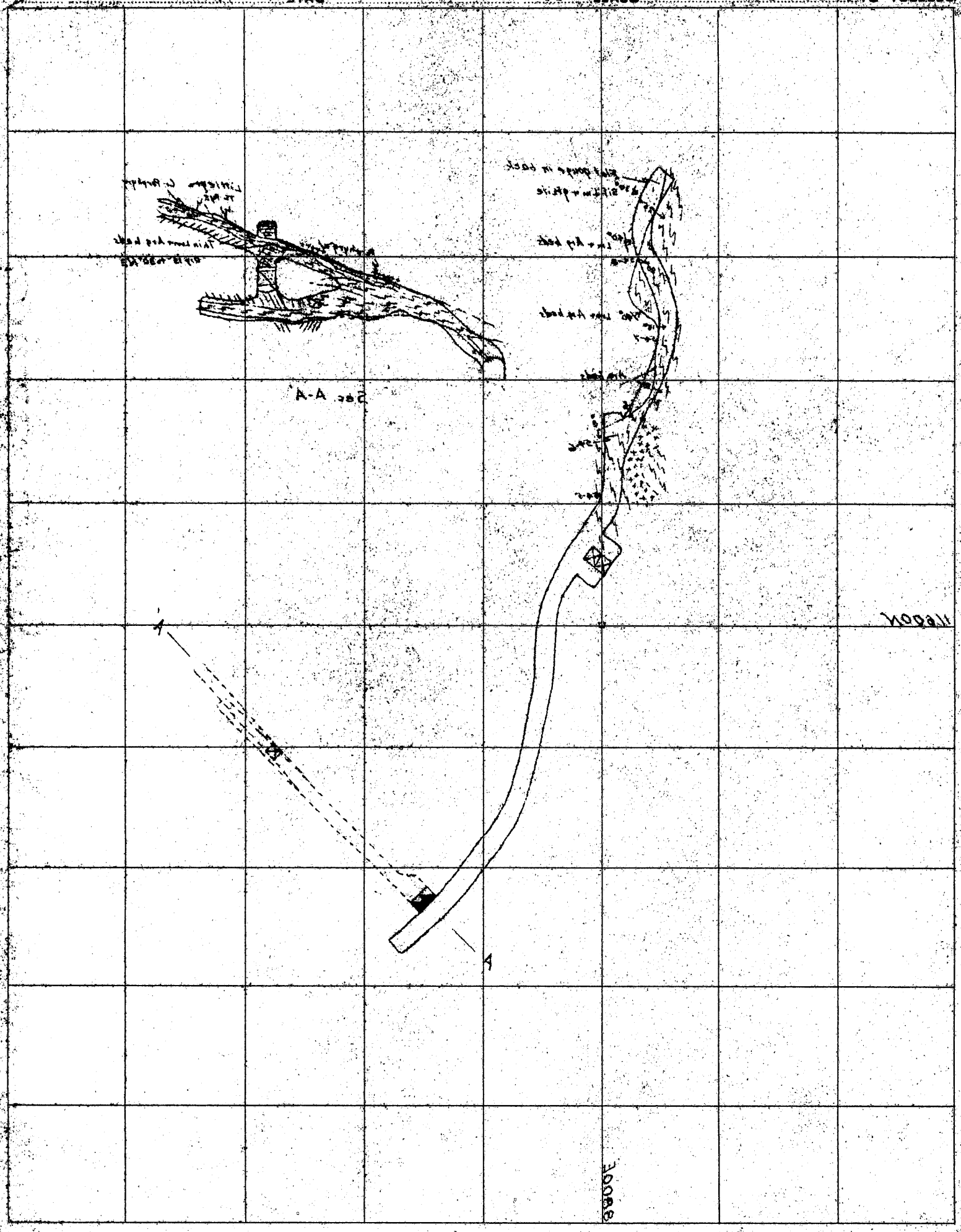
GEOLOGY BY U.M.B. ccl - J.M.B. SCALE 1" = 50' DATE Nov 1, 1955



LOCATION 540 Ma Drill & 54-BRTRees MINE Tiwah LEVEL 540

SURVEY POSITION

GEOLOGY BY WMB-CC-WMB SCALE 1"=50' DATE Nov 1 1955



Greenwald
Betty

xxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
October 12, 1955

MEMORANDUM

To: MSHA Field Team, Region 1, Northwest District

From: John M. West, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Docket No. MSHA 3394 (lead-zinc), Triumph Mining Company, Blaine County, Idaho, Contract No. Idm-8696

Recent work in the Triumph mine was examined on October 3, in the company of Mr. Carroll Livingston, mine superintendent, and Mr. John Barrett, mine engineer.

The 540 level north had been driven 36 feet north from station USBM 433, at which the face was on August 8, 1955. In driving north, the vein was lost, so a new heading on the vein was cut out to 14½ feet west of the first face. The 540 level south has also been driven southeast along the vein for a distance of 44 feet. The vein is weakly mineralized in the face.

A raise, number 54-887, measuring 5x7 inside the timber, has been driven on the vein from the 540 level south at a point about 75 feet southeast of station USBM 446. The raise extends about 40 feet on a 45° slope, then flattens to near-horizontal. The total length of the raise is 130 feet (all timbered on 5-foot centers) from the sill at the edge of the drift. The muck is removed from the raise by a slusher. A vertical raise is being driven about 100 feet above the 540 level south between sets 20 and 21 of the flattened dip raise. The vertical raise, timbered with 3 sets, was 18½ feet above the back of the dip raise at the time of inspection. At about 14 feet the raise intersected a 2½-foot vein with fair lead-zinc mineralization. The vein appears to branch from one being followed in the raise below. The lower vein has pinched out in the end of the dip raise, which is not unusual when the veins flatten.

The total contract work performed to October 3 was:

		Authorized	Completed
Stage I			
	Crosscut	750 feet	750 feet
	Timber	750 "	750 "
	Roof bolts (and/or timber)	750 "	184 " (290 bolts)
	Raising	300 "	196 " (completed)

Stage II	Authorized	Completed
Sublevel drifts	1900 feet	257 feet
Timbering	1900 "	222 "
Raising	600 "	148 "
Raise timbering	600 "	145 "

Orig. & 3 cys - Wash.
USGS (2)
DWEA
R/J
AD
JHW/he

John H. West

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

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 17 1955

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

Month of SEPTEMBER 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Timbering				10/25/55		
~~Drifting~~ Sub-Level Dr.	$ 286.00	$ 1,449.50	$ 1,735.50	286.00	1449.50	1735.50
~~Timbering~~ 10°-45° Ra.	715.00	195.00	910.00	715.00	195.00	910.00
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	1546.65	7,664.51	9,211.16	1546.65	7664.51	9211.16
Raising		10,246.88	10,246.88		10246.88	10246.88
(2) Labor and Supervision:						
Labor						
~~Supervision~~ 10°-45 Ra.	3401.20	927.60	4,328.80	3401.20	927.60	4328.80
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						Grunwald
Purchase						
Depreciation						Klugscheid
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						Beity
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$5948.85	$46,385.09	$52,333.94	5948.85	46385.09	52333.94

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/8/55 *Payee TRIUMPH MINING COMPANY
Per J M Robinson Title General Manager

*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:

$ 2974 43

Signature M D P
(Authorized Certifying Officer)

Date 10/12/55 Vou. No. 1624
(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. E696 in accordance with the terms of the contract.

Signature 1S/ John D. Bardill Title Metallurgist Date 10-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S/ Stephen W. Goldoft Title Mining Engr Date 10-11-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 17 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 5 Docket No. DMEA 3394 Contract No. I.D.M. 696

Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc

Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	$1546.65	45	$ 9,211.16	268 ✓	$34.37	1900	$34.37
Crosscutting	Feet			22,500.00	750 ✓	30.00	750	30.00
Raising	Feet			10,246.88	196 ✓	52.28	300	52.28
~~Shafts~~ Raising(10°-45°)	Feet	3401.20	110	4,328.80	140 ✓	30.92	600	30.92
~~Winzes~~ Timbering	Feet			2,288.00	352 ✓	6.50	750	6.50
~~Drilling Costs~~ Roof-Bolt	Bolt			1,113.60	290 ✓	3.84	290	3.84
Churn								
Auger								
~~Stoping~~ Timbering								
Trenching 10°-45-Raise	Feet	715.00	110	910.00	140 ✓	6.50	600	6.50
Test Pits								
~~Tunnels and Drifts~~ Timbering								
Sub-level drift	Feet	286.00	44	1,735.50	267 ✓	6.50	1900	6.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$5948.85		$52,333.94				

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

Date 10/8/55 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

/s/ John D Burdill

INSTRUCTIONS

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

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

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

GPO 872894

DMEA PROJECT REPORT

September - 1955

During the month of September 1955, 45 feet of sub-level drifting was completed along with 100 feet of up dip raising and 10 feet of one compartment vertical raising. The face of the 540 South Drift is now at north coordinate 11465 and east coordinate 8886. The face of the 540 North Drift is at north coodinate 11686 and east coordinate 8795.

The south drift which was advanced 11 feet was following the narrow steeply dipping gouge. This structure consists of 1 to 2 feet of crushed zone containing 2 to 3 inches of gouge with a few pyrites.

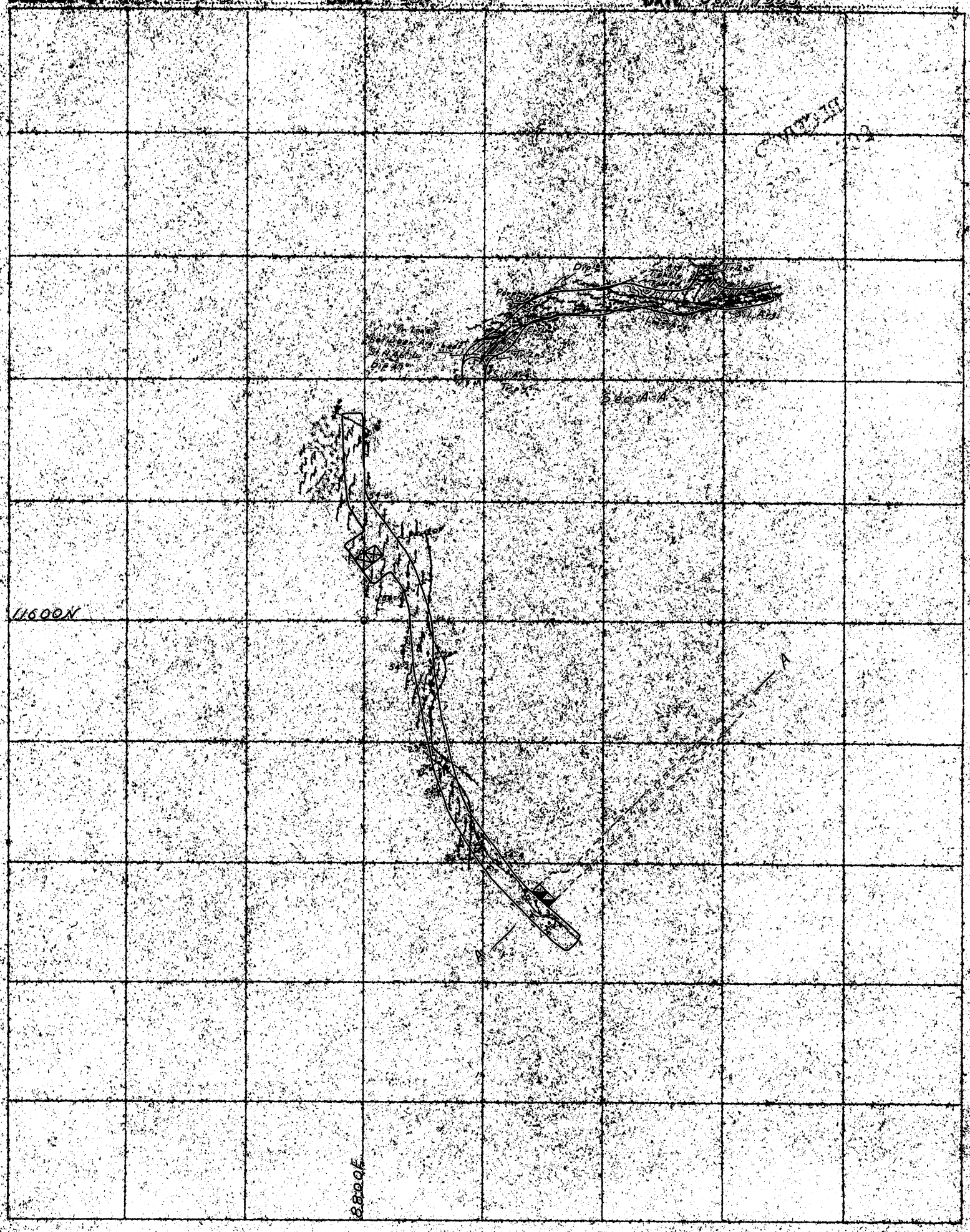
The north heading which was advanced 34 feet started out in middle of the wide flat crushed zone with considerable crushed porphyry showing. The footwall was cut at the present face and it strikes N60°E and dips 16° to the SW. Considerable quartz along with a little ZnS and pyrites was exposed along the footwall. This is the largest amount of quartz and ZnS to be encountered by this project.

The up dip raise (54-887 Raise) was advanced 100 feet following the hard argillite footwall which was overlain by a 2 to 3 foot crushed gougey zone. The last 90 feet of this raise is practically flat. At a point 40 feet up dip from the drift where the structure flattened off a steeper structure was seen taking off into the hangingwall; to check this steeper structure a vertical one compartment raise was started at a point 100 feet from the chute. This vertical raise was advanced 10 feet.

LOCATION: 540 No. Drift - 54-087R MINE: Triumph LEVEL: 540

SURVEY: POSITION:

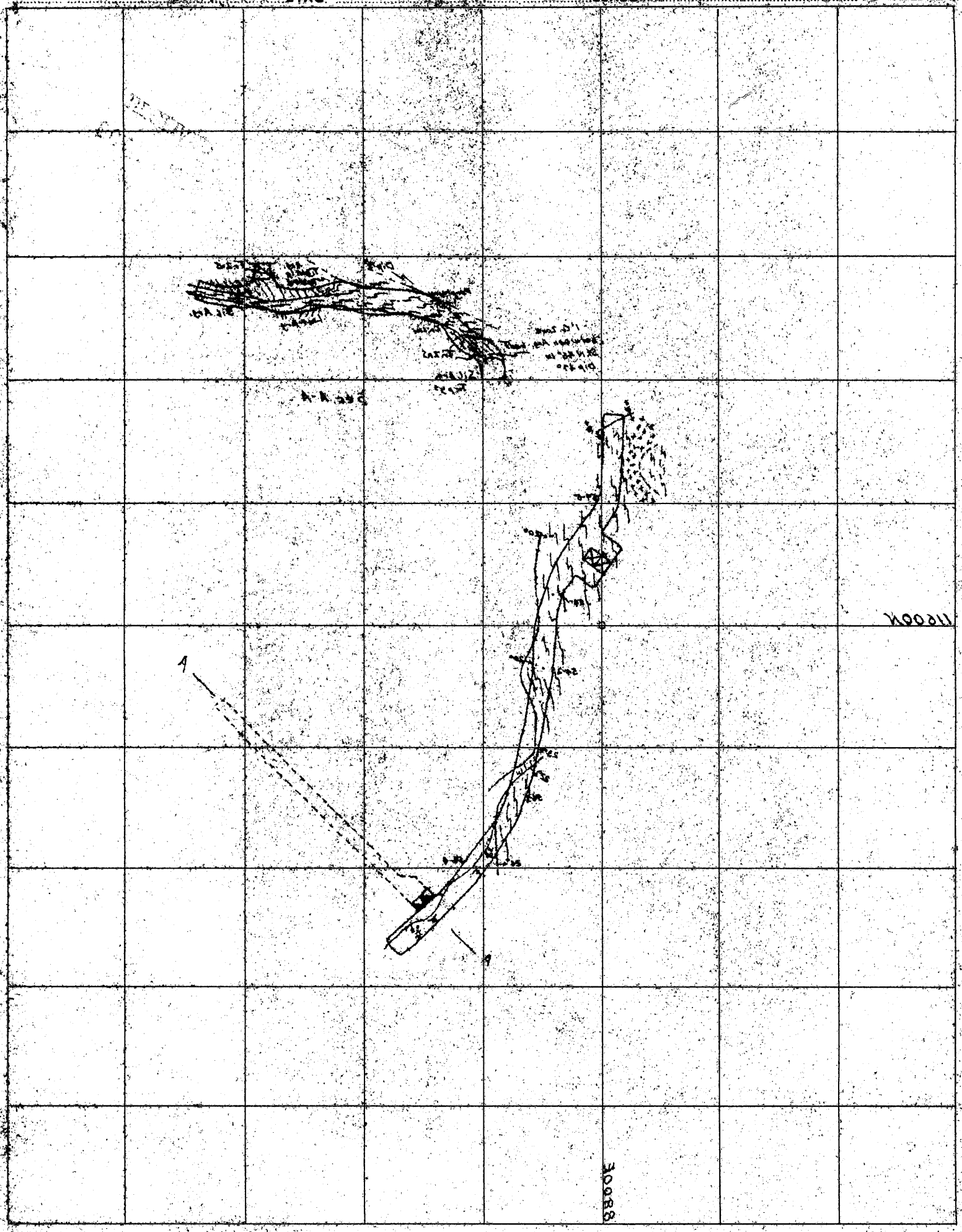
DRAWN BY: JMB-ECL-JNB SCALE: 1" = 50' DATE: Oct 1, 1955



LOCATION 540 No. Drift - 24 Crosscut MINE Trinmark LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB - Oct - 1948 SCALE 1" = 20' DATE Oct 1, 1956



RECEIVED
OCT 19 1955

xxxxxxxxxxxxxxxxxxxx

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

Gerald
Betty

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines, and James J. Quinlan and Don C. Alvard, Geologists, U. S. Geological Survey

Subject: Interim inspection, Docket No. DMEA-3394 (lead-zinc) Triumph Mining Company, Blaine County, Idaho, Contract No. Idm-E696

An interim inspection of this project was made on August 12, 1955, by the above-named engineer and geologists, accompanied by Mr. Carroll Livingston, mine superintendent.

The 70-880 vertical raise had been driven 206 feet above the 700 level track, or a net distance of 196 feet. The sill of the 540 level is 92 feet above the 700 level track.

The station on the 540 level at the 70-880 raise is approximately 25 feet long and 20 feet wide. Each compartment of the raise is 5 feet by 5 feet. A chute with grizzly has been cut which discharges into the ore compartment of the raise.

The northwest drift from the station had been driven about 5 feet from the station and the southeast drift about 132 feet at the time of the inspection. The drifts are about 6 feet by 9 feet in the clear of timber. The sides of the drifts are lagged at random where necessary.

The structure exposed in the 540 level drift strikes S. to S. 30° E. and dips 20° to 25° W. It is 6 to 10 feet wide and contains mostly sheared and crushed wall rock (argillite and argillaceous limestone), some calcite, an occasional quartz lens, and minor amounts of disseminated pyrite and sphalerite.

It was agreed with Mr. Livingston, subject to Field Team approval, that it would be well to raise on the structure near the face of the 540 south drift to see if the structure might not steepen in dip. This possibility should be tested before too much more drifting is done on the 540 level as most of the ore within the structure occurs in the steeper dipping sections (average 30°).

The Company is keeping an adequate geologic record of the work. Maps are submitted with their monthly reports.

The total contract work performed to August 12 was:

	Authorized	Completed	
Stage I			
Crosscut	750 feet	750 feet	
Timber	750 "	750 "	
Roof bolts (and/or timber)	750 "	184 "	(290 bolts)
Raising	300 "	196 "	(completed)
Stage II			
Sublevel drifts	1900 feet	169 feet	
Timbering	1900 "	169 "	

John D. Bardill
James J. Quinlan

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

MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 19 1955

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

Month of August, 1955 Docket No. DMEA 3394 Contract No. I-D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractor Short Form						
~~[illegible]~~ timbering sub level drift	$ 474.50	$ 975.00	$ 1,449.50	474.50	975.00	1449.50
~~[illegible]~~ timbering 10° 45° Raise	195.00		195.00	195.00	-0-	195.00
Crosscutting		22,500.00	22,500.00		22500.00	22500.00
Drifting	2509.01	5,155.50	7,664.51	2509.01	5155.50	7664.51
Raising		10,246.88	10,246.88		10246.88	10246.88
(2) Labor and Supervision:						
~~[illegible]~~ 10°-45° Raising	927.60		927.60	927.60	-0-	927.60
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental				9/22/55 [illegible]		
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4106.11	$42,278.98	$46,385.09	4106.11	42278.98	46385.09

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 9/9/55 *Payee TRIUMPH MINING COMPANY
Per J M Robinson Title General Manager

*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:

$2053.06

Signature M E P
(Authorized Certifying Officer)

Date 9-16-55 Vou. No. 1608

(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. E649b in accordance with the terms of the contract.

Signature 1S1 John D Bardill Title Metallurgist Date 9-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S1 Stephen W Foldak Title Mining Eng Date 9-14-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 1 3 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals LEAD - ZINC
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
				7,686.81				
Drifting	Feet	$2509.01	73	$ 7,664.51	X 223	$34.37	X 1900	$34.37
Crosscutting	Feet			22,500.00	✓ 750	30.00	750	30.00
Raising	Feet			10,246.88	✓ 196	52.28	300	52.28
~~Shafts~~ Raising(10°-45°)	Feet	927.60	30	927.60	✓ 30	30.92	600	30.92
~~Winzes~~ Timbering				2,288.00	✓ 352	6.50	750	6.50
Drilling: ~~Core~~				1113.60	✓ 290	3.84	290	3.84
Churn Roof-Bolt.	Bolt							
Auger								
~~Stopping~~ Timbering								
~~Trenching~~ 10°-45° Raise	Feet	195.00	30	195.00	✓ 30	6.50		6.50
Test Pits								
~~Roads and Trails~~ Timbering								
Sub-level drift	Feet	474.50	73	1,449.50	✓ 223	6.50	1900	6.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4106.11		$46,385.09	← Correct figures 47,603.39			

1196.00 carried forward omitted.

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

REMARKS:

Date 9/9/55 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

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

(Instructions on reverse)

(For Government use only)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY
DMEA PROJECT REPORT
AUGUST - 1955

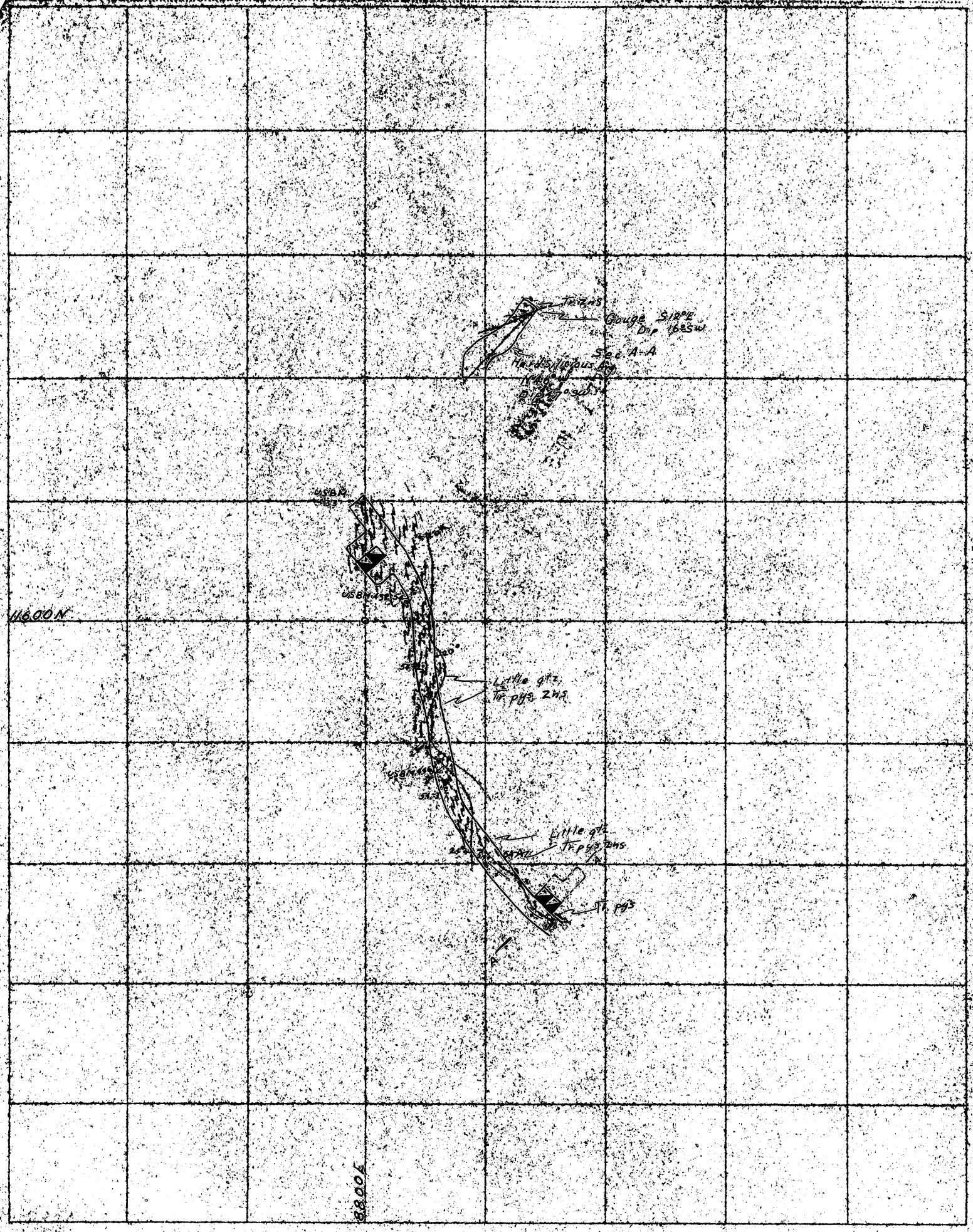
During the month of August 73 feet of sub-level drifting was completed and 31 feet of up dip raising. The 540 South Drift was advanced 73 feet with the face now at north coordinate 11473 and east coordinate 8880. At north coordinate 11485 and east coordinate 8874 an up dip raise (54-887 Raise) was started and advanced up dip 31 feet.

The 880 Raise was plumbed and a transit survey carried to the 540 Level. The 540 track at the sill of the 880 Raise is 6346 feet elevation or 100 feet above the track, in the 70-820 cross-cut at the bottom of the raise.

The first 20 feet advance in the drift followed the same flat dipping structure which had been followed to date. At north coordinate 11500 and east coordinate 8845 a steeply dipping footwall structure was encountered and followed and the flatter structure was lost in the hangingwall. This footwall structure which dips from 45° to 55° to the SW and which strikes S45°E consists of from 1 to 3 feet of very tight gouge overlying a hard argillite. An occasional spot of ZnS, pyrites and some quartz is found in the gouge.

T The raise was started on the footwall structure and is following it up dip. The first 25 feet are rather steep but at a point 25 feet up the flatter hangingwall structure is encountered and the raise appears to be flattening somewhat. The structure in the raise is similar to that in the drift.

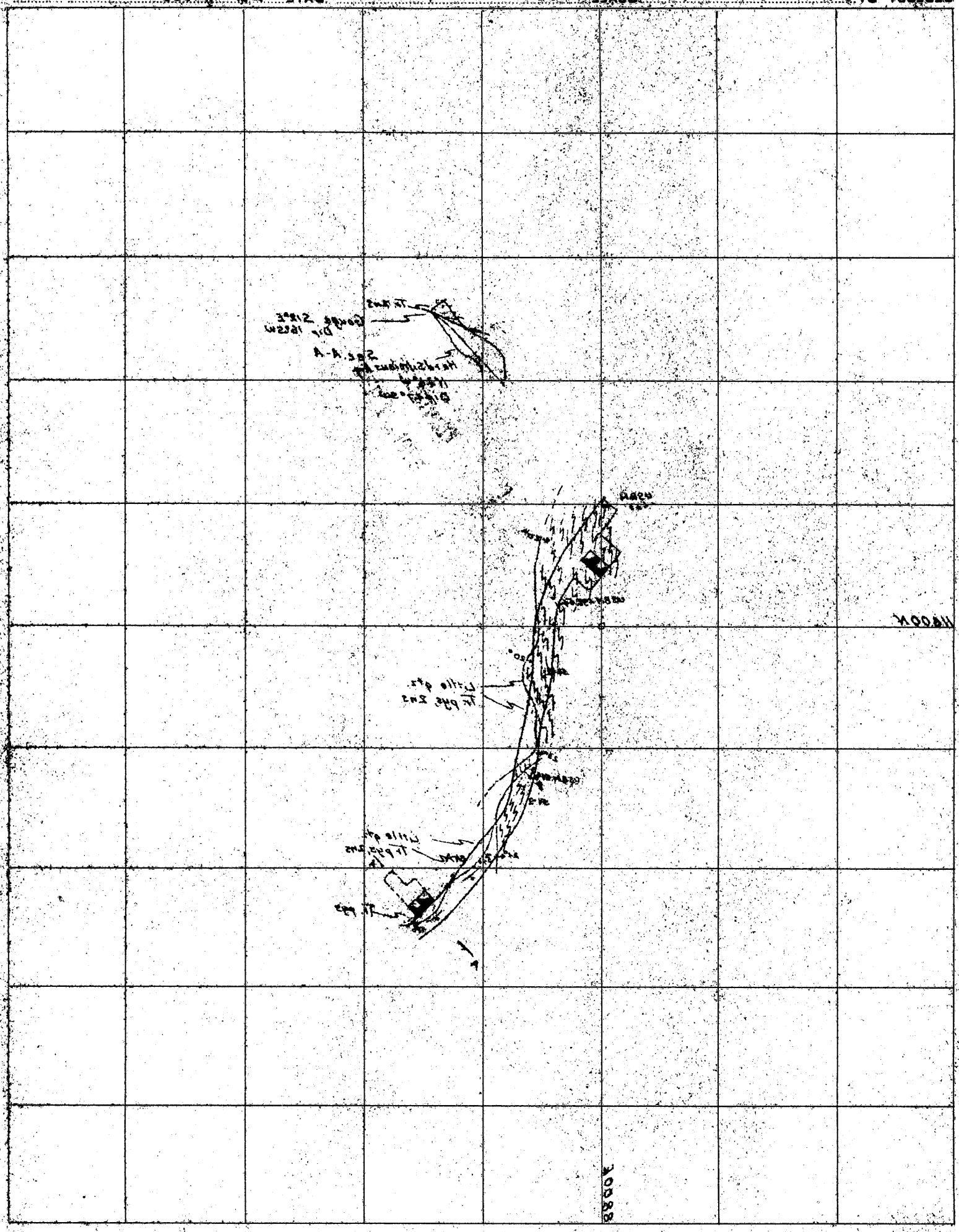
LOCATION: 540 So. Drift MINE: [illegible] LEVEL: 540
SURVEY: POSITION:
GEOLOGY BY: JMB-CCL-JNB SCALE: 1" = 50' DATE: Sept. 4, 1955



LOCATION 540 So. Drift MINE Tiburon LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB-CCL-JMB SCALE 1"=20' DATE Sept. 1975



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

Budget Bureau No. 42-R1036.5

RECEIVED
AUG 26 1955

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

Month of July 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50% Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form Timbering sub-level drift						
Drilling	$ 624.00	$ 351.00	$ 975.00	624.00	351.00	975.00
Bulldozing						
Crosscutting		$22,500.00	$ 22,500.00		22500.00	22500.00
Drifting	$3299.52	$ 1,855.98	$ 5,155.50	3299.52	1855.98	5155.50
Raising		$10,246.88	$ 10,246.88		10246.88	10246.88
(2) Labor and Supervision:						
Labor				9/22/55 W.P.K.		Leonard Klingenberg Betty
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		$ 2,288.00	$ 2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		$ 1,113.60	$ 1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$3923.52	$38,355.46	$ 42,278.98	3923.52	38355.46	42278.98

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

Date 8/6/55 *Payee TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

*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:

$ 1961 76

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

Date 8-17-55 Vou. No. 1584
(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 696 in accordance with the terms of the contract.

Signature 1st John D Bardill Title Metallurgist Date 8-15-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok Title Mining Engr Date 8-15-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 26 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1955 Docket No. DMEA 334 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$3299.52	96	$ 5,155.50	150	$34.37	1900	$34.37
Crosscutting	Feet			$ 22,500.00	750	$30.00	750	$30.00
Raising	Feet			$ 10,246.08	196	$52.28	300	$52.28
Shafts								
Winzes								
Drilling: ~~Cut~~ Timbering	Feet			$ 2,288.00	352	$ 6.50	750	$ 6.50
Churn								
Auger								
~~Roads~~ Roof Bolting	Bolt			$ 1,113.60	290	$ 3.84	290	$ 3.84
~~Tonnage~~ Roof Bolting	Feet				104		104	
Test Pits								
~~Roads and Trails~~ Timbering bus-level drift	Feet	$ 624.00	96	$ 975.00	150	$ 6.50	1900	$ 6.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3923.52		$ 42,278.98				143354.00

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

Date 8/8/55 Operator TRIUMPH MINING COMPANY
Per J M Robinson Title General Manager TRIUMPH, IDAHO

REMARKS:

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

(Instructions on reverse)

(For Government use only)

151 John D Bardill

INSTRUCTIONS

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

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

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

GPO 872894

TRIUMPH MINING COMPANY

DMEA PROJECT REPORT

JULY, 1955

During the month of July 1955, 96 feet of sub-level drift was driven on the 540 level. The north heading was driven 5 feet and the south heading 91 feet. The face of the south heading is now at north coordinate 11530 and east coordinate 8842.

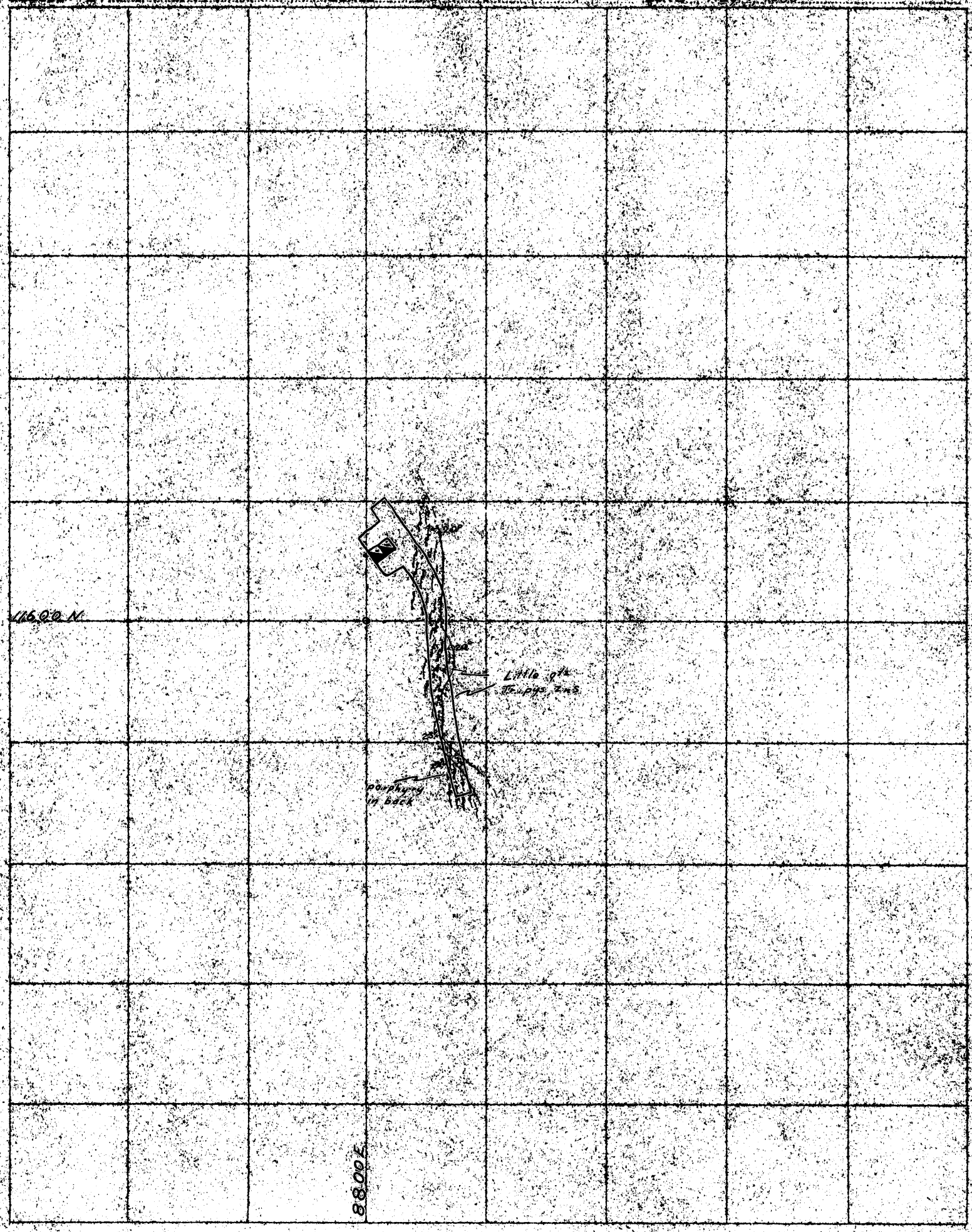
The south heading is following the structure in a southerly direction. Structure strikes 35° to 10°E and dips from 20° to 25° west; however, in the last few feet of the south heading the strike appears to be swinging markedly to the SE. The structure is very tight and gougey and consists of from 6 to 10 feet of crushed argillite and limestone with considerable calcite and an occasional splash of quartz and also a few specks of ZnS and pyrites. Footwall is a hard limestone or limey argillite. An occasional spot or porphyry was seen in the hangingwall.

The north although still in the structure is too much into the hangingwall as a considerable portion of the face is porphyry. No footwall is to be seen in the north heading.

LOCATION 540 So. Drift MINE Triumph LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB-CCL-JNB SCALE 1" = 50' DATE Aug 1, 1955

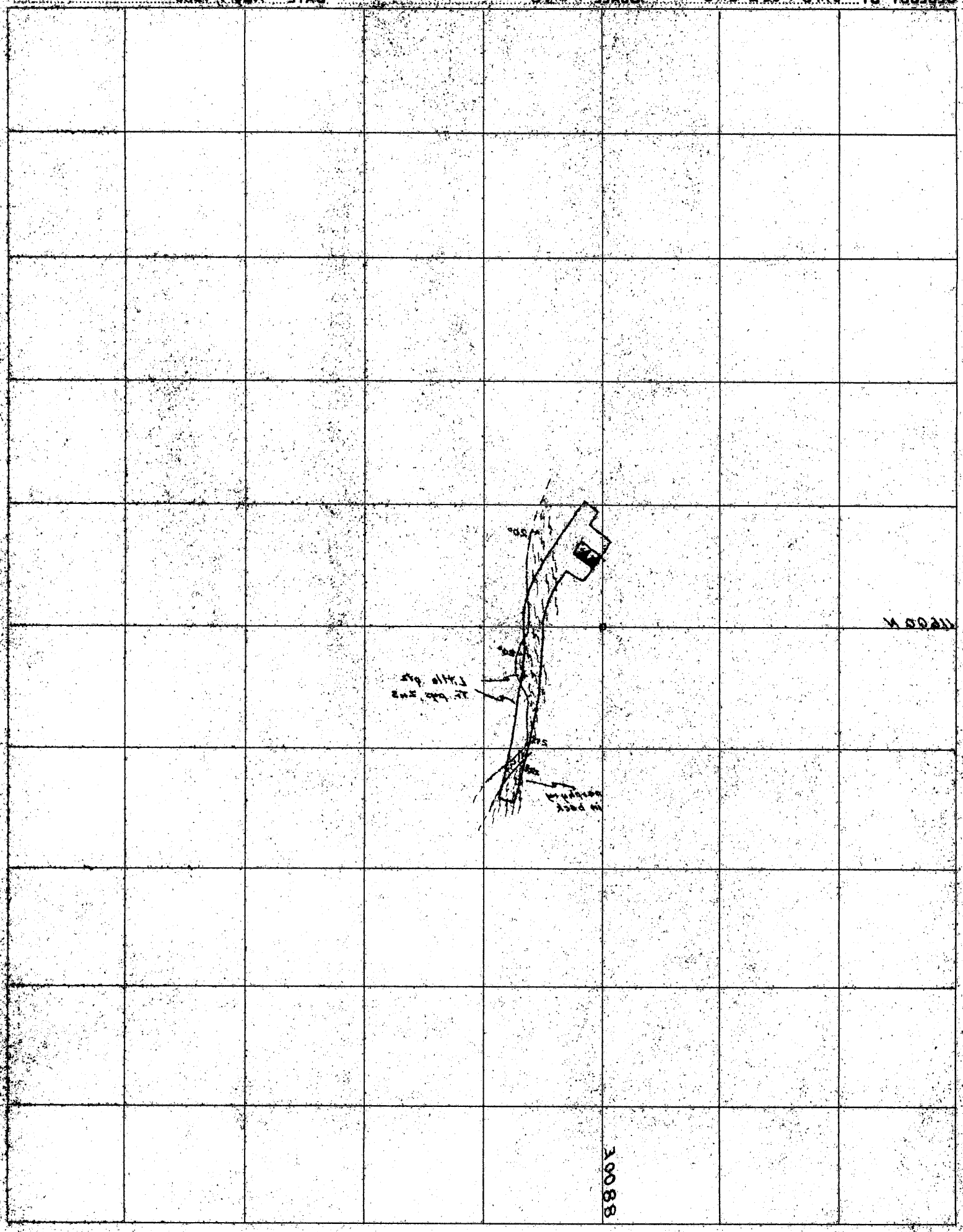


88002

LOCATION 540 So. Drift MINE Tinmark LEVEL 540

SURVEY POSITION

GEOLOGY BY JMB + CEL-WKB SCALE 1" = 20' DATE Aug. 1, 1956



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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 19 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1955 Docket No. DMEA 3394 Contract No. IDM 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50% Amount, $ 71,677.00

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:				4/22/55	WRK see corrections	
~~Drilling~~ Timber on Sublevel drift				351.00	— o —	351.00
Bulldozing						
Crosscutting		$22,500.00	$ 22,500.00		22500.00	22500.00
Drifting	$2206.98		$ 2,206.98	1855.98	— o —	1855.98
Raising	$1568.40	$ 8,678.48	$ 10,246.88	1568.40	8678.48	10246.88
(2) Labor and Supervision:						
Labor						Ignored
Supervision						~~Kingsbury~~
Technical Services						Betty
(3) Operating Mat'ls. and Supplies:						
Timbering		$ 2,288.00	$ 2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		$ 1,113.60	$ 1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$3775.38	$34,580.08	$ 38,355.46	3775.38	34580.08	38355.46

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7/8/55 *Payee TRIUMPH MINING COMPANY
Per T M Robinson Title General Manager

*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:

$ 1887 69

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

Date 7-15-55 Vou. No. 1564
(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. DMEA 696 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date 7-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 7-13-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

DMEA PROJECT REPORT
JUNE 1955

During the month of June 1955 the 70-880 Raise was advanced 30 feet. The back is now 206 feet above the 700 Level track. All 30 feet advance was in hard bedded limestone with no mineralization. This project was halted at this height and a 25 foot long hole drilled in the back which cut no mineral.

At the point in the 70-880 Raise, 92 feet above the 700 Level where a wide crushed zone was cut, a station was cut and a drift started along this particular structure. This structure consists of very contorted and crushed argillite and limestone with an occasional spot of quartz and now and then a speck of ZnS. This Level will be known as the 540 Level. The advance this month was 54 feet.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JUL 1 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696

Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc

Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
		1855.98		1861.38 1855.98		34.47 34.87		34.47
Drifting	Feet	~~$2206.98~~	54	$ ~~2,206.98~~	54	$40.87	1900	~~$40.87~~
Crosscutting	Feet			$ 22,500.00	750	$30.00	750	$30.00
Raising	Feet	$1568.40	30	$ 10,246.88	196	$52.28	300	$52.28
Shafts								
Winzes								
~~Timbering~~ Timbering	Feet			$ 2,288.00	352	$ 6.50	750	$ 6.50
Churn								
Auger								
~~Stoping~~ Roof Bolting	Bolt			$ 1,113.60	290	$ 3.84	290	$ 3.84
~~Pressing~~ Roof Bolting	Feet				184		184	
Test Pits								
~~Roads and Trails~~ Drill or Rock bolt - sublevel drift		351.00	54	351.00	54		1900	6.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				38,360.86				
TOTAL COSTS		$3775.38		$ 38,355.46				143 354.00

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

Date 7/8/55 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

151 Stephen W Zoldok

INSTRUCTIONS

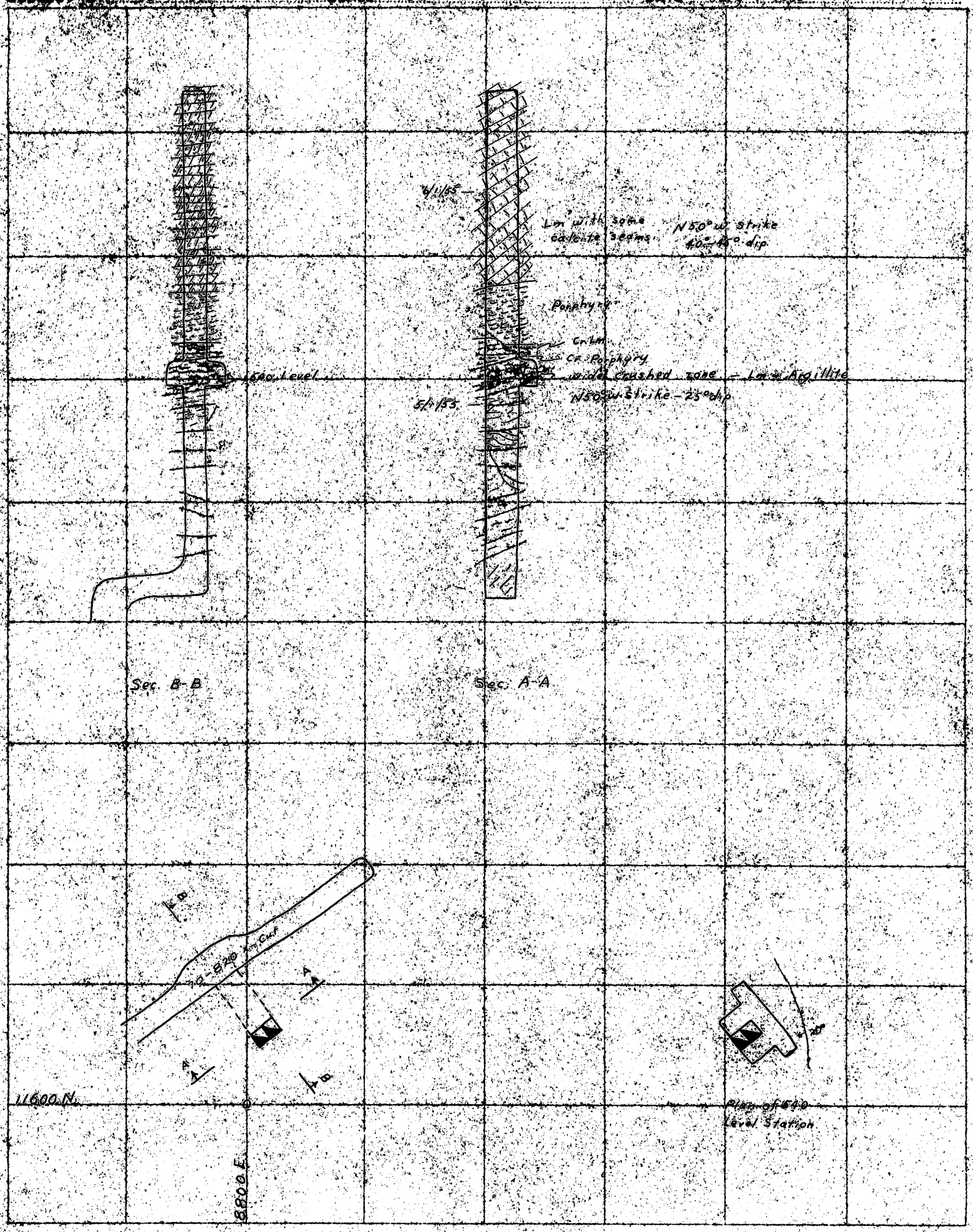
Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better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

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

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

GPO 872894

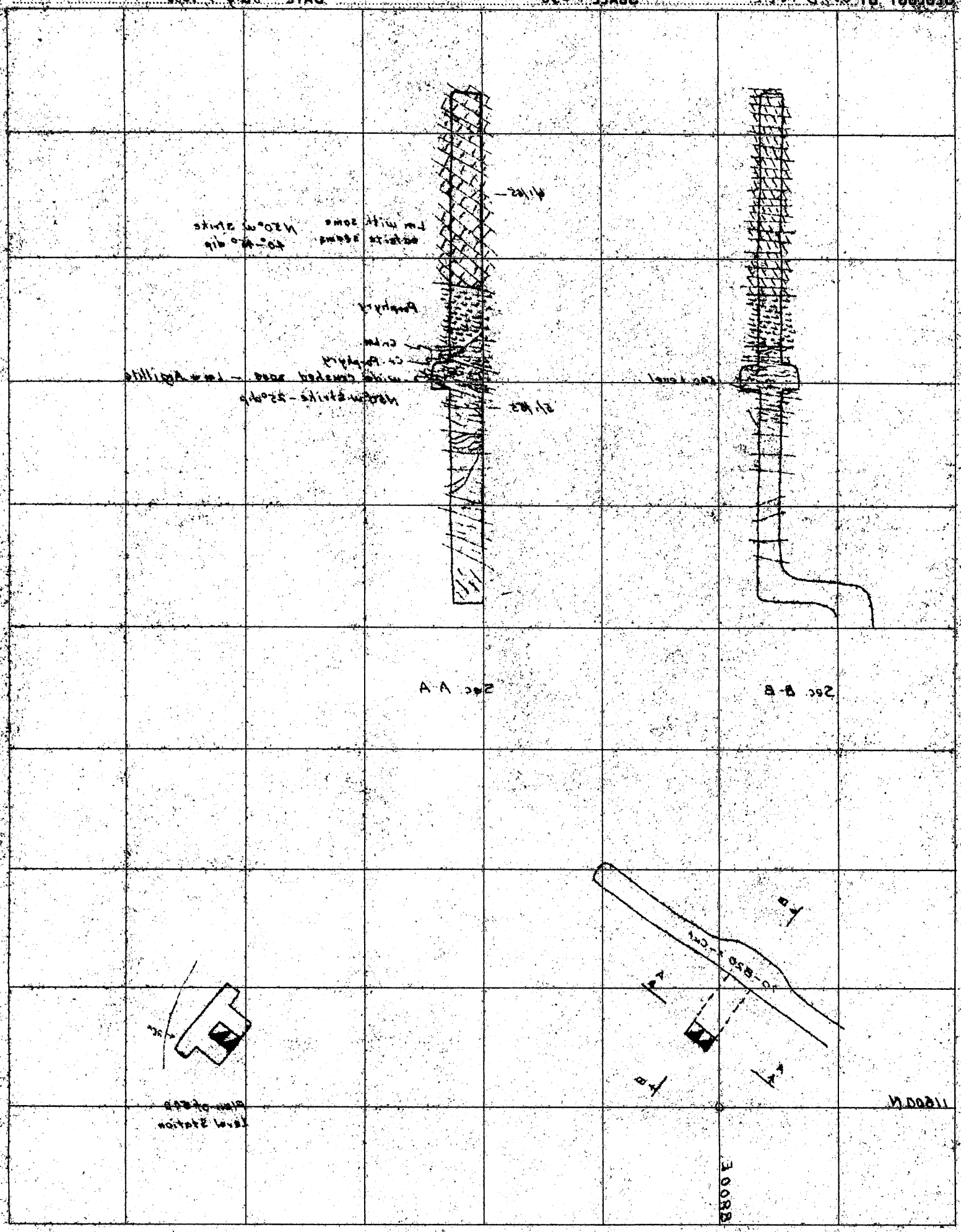
LOCATION 10-880 Raise MINE Triumph LEVEL 700
SURVEY POSITION
GEOLOGY BY JMB-GCL SCALE 1"=50' DATE July 1, 1955



LOCATION 70-880 Raise MINE Tiskwah LEVEL 720

SURVEY POSITION

GEOLOGY BY J.M.B. & G.C. SCALE 1"=10' DATE July 1, 1944



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
1201 N. Division St.
Spokane 2, Washington
June 16, 1955

Approved
Betty

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3394 (lead-zinc), Triumph Mining Company, Blaine County, Idaho, Contract No. Idm-E696

The mine was inspected on June 8, 1955, accompanied by Mr. Carroll Livingston, mine superintendent, and Mr. John Barrett, mine engineer.

The 70-880 vertical raise has been driven up about 180 feet. The operators plan to stop the raise at 200 feet which will enable them to hole through from the 400 level at a later date if necessary. Two 5-foot sets and one 7-foot set remain to be framed.

A strong shear zone was cut at about 100 feet above the level of the drift, and it is tentatively planned to explore the zone by sublevel drifting and dip raises as provided by the contract. A 7-foot set was framed in this area so that there would be room enough to start the drift.

The slusher drift has worked out very well and there has been no trouble from the muck hanging up and slowing operations.

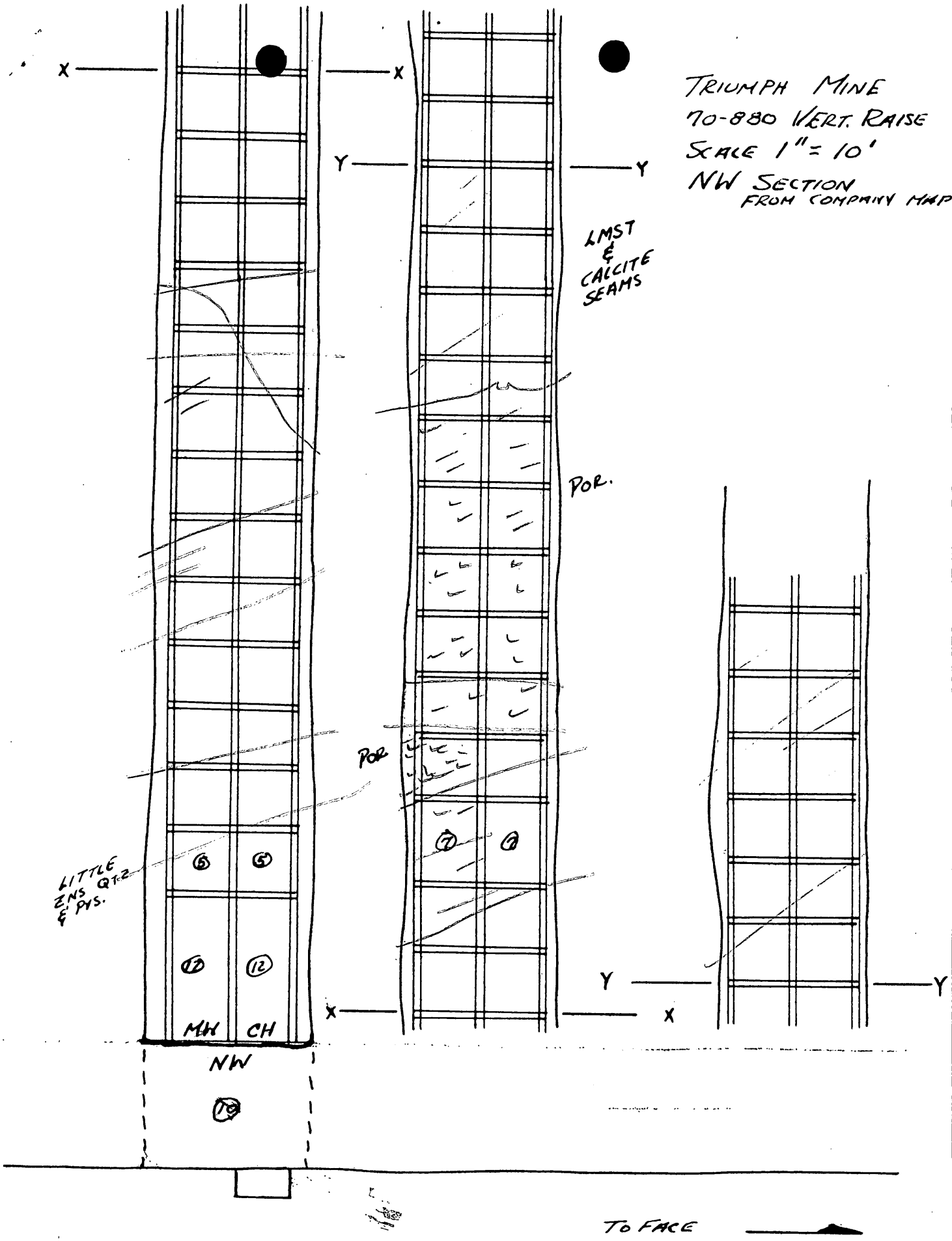
The raise is two compartment, each compartment measuring 5 feet by 5 feet. The workmanship and advance are very good.

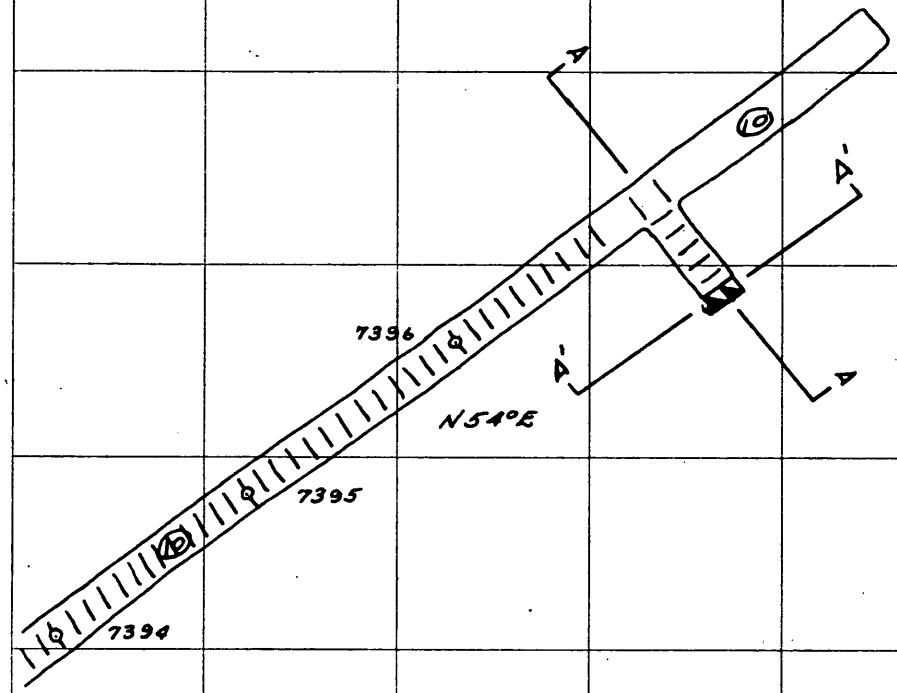
The total contract work completed to June 8, 1955 is:

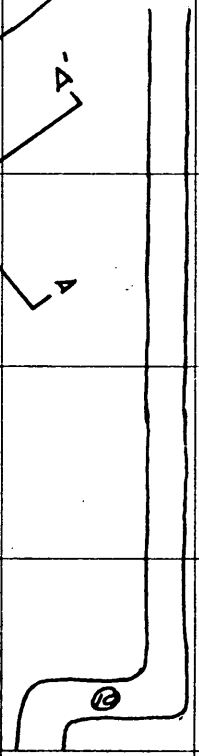
	Authorized	Completed
Stage I		
Crosscut	750 feet	750 feet
Timber	750 "	329 "
Roof bolts (and/or timber)	750 "	184 " (290 bolts)
Raising	300 "	180 "

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

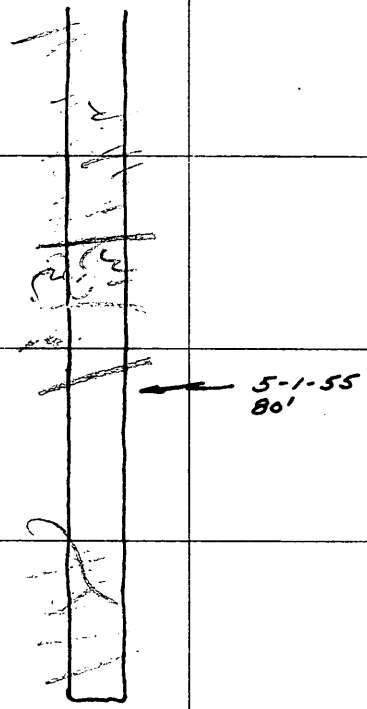
A. L. Service


TRIUMPH MINE
70-880 VERT. RAISE
SCALE 1" = 10'
NW SECTION
FROM COMPANY MAP
X
X
Y
Y
LMST & CALCITE SEAMS
POR.
POR
LITTLE ZNS QTZ & PYS.
5
5
12
12
MH
CH
NW
10
7
7
Y
Y
X
X
TO FACE





SECTION A-A



SECTION A'-A'

TRIUMPH MINE
BLAINE COUNTY, IDA.
CONTRACT IDM E696
SCALE 1" = 50'
JUNE 1955

REQ. U.S. PAT. OFF.
"ALBANENE" NO. 1 PAPER KEUFFEL & ESSER CO., N.Y.

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 24 1955

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

Month of MAY 195 5 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						6/27/55
Drilling						
Bulldozing						
Crosscutting		$22,500.00	$22,500.00			
Drifting Raising	$4496.08	4,182.40	8,678.48			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber ing		2,288.00	2,288.00			
Explosives						
Pipe						
Track Roof Bolting		1,113.60	1,113.60			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4496.08	$30,084.00	$34,580.08	4496.08	30084.00	34580.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 6/3/55 *Payee TRIUMPH MINING COMPANY
Per T M Robinson Title General Manager

*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:

$ 2248 04

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

Date 6-20-55 Vou. No. 1533
(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. E6696 in accordance with the terms of the contract.

Signature /s/ Alfred A. Service Title Mining Eng Date 6-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Eng Date 6-16-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 24 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of MAY 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet			$ 22,500.00	750	$30.00	750	$30.00
Raising	Feet	$4496.08	86	8,678.48	166	$52.28	300	$52.28
Shafts								
Winzes								
~~Timbering~~ Timbering	Feet			2,288.00	352	$ 6.50	750	$ 6.50
Churn								
Auger								
~~Roof Bolting~~ Roof Boltinb	Bolt			1,113.60	290	$ 3.84	290	$ 3.84
~~Drilling~~ Roof Boltins	Feet				184		184	
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$4496.08		$ 34,580.08				143354.00

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

Date 6/3/55 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/s/ Alfred R Service

INSTRUCTIONS

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

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

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

GPO 872894

Triumph Mining Co.
Contract Idm-E696
Docket No. DMEA 3394
May 1955

D.M.E.A. PROJECT REPORT

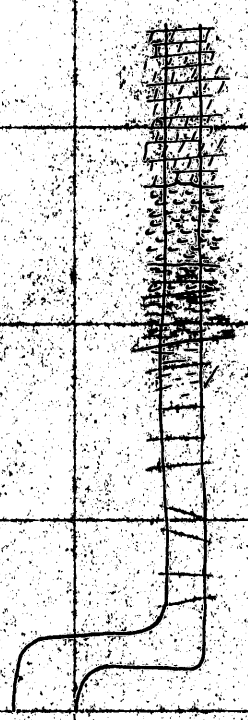
During the month of May the 70-880 vertical raise was advanced 88 feet. The back is now 176 feet above the 700 Level track.

At a point 92 feet above the 700 track a 12 foot wide crushed zone of argillite and limestone was cut. This zone strikes N50°W and dips 25° to the SW. Although no mineral was cut in this zone at this particular location it is felt that this is very probably the structure we are looking for and that it should be explored.

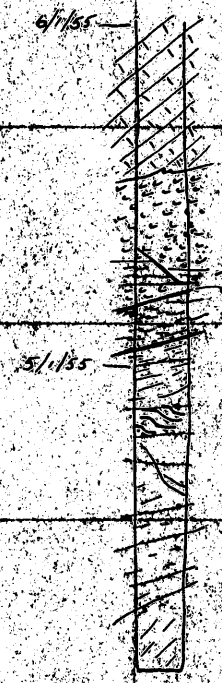
Just over the wide crushed zone is 2 to 3 feet of crushed andesite porphyry which in turn is overlain by about 4 feet of crushed limestone. Overlying the crushed limestone on a definite flow contact is, approximately 22 feet of massive andesite porphyry. Above the porphyry, only bedded limestone has been cut. This limestone strikes N50°W and dips 40 to 45° to the SW.

No mineralization was cut in this 86 feet.

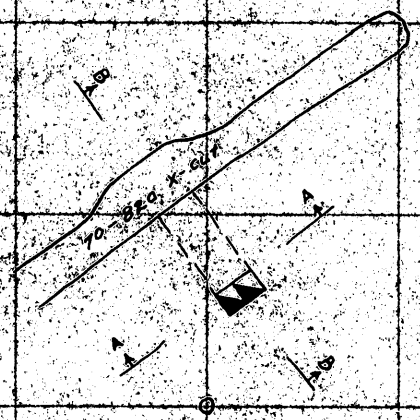
LOCATION 70-880 Raise MINE Triumph LEVEL 700
SURVEY POSITION
GEOLOGY BY JMB & CCL SCALE 1" = 50' DATE June 1, 1955



Sec B-B



Sec A-A



11600 N

8800 E

LOCATION 70-880 Raise MINE Triumph LEVEL 700

SURVEY POSITION

GEOLOGY BY WMB + CCL SCALE 1" = 50' DATE June 1, 1955

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Defense Minerals Administration RECEIVED MAY 13 1955

Month of APRIL, 195 5 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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		$22,500.00	$ 22,500.00		22500.00	22500.00
Drifting						
Raising	$4182.40		4,182.40	4182.40	—o—	4182.40
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		2,288.00	2,288.00		2288.00	2288.00
Explosives						
Pipe						
Track						
Roof Bolting		1,113.60	1,113.60		1113.60	1113.60
(4) Operating Equipment:						
Rental						Heuwold
Purchase						
Depreciation						~~Betty~~
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						Betty
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4182.40	$25,901.60	$ 30,084.00	4182.40	25901.60	30084.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/5/55 *Payee TRIUMPH MINING COMPANY
Per J. M. Robinson Title General Manager

*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:

$ 2091.20

Signature MDP
(Authorized Certifying Officer)

Date 5-10-55 Vou. No. 1510

(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. E6-9-6 in accordance with the terms of the contract.

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 5/9/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 5/9/55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Defense Minerals Administration
RECEIVED
MAY 13 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Feet			$ 22,500.00	750	$30.00	750	$30.00
Raising	Feet	$4182.40	80	4,182.40	80	$52.28	300	$52.28
Shafts								
Winzes								
Drilling: ~~Core~~ Timbering	Feet			$ 2,288.00	352	$ 6.50	750	$ 6.50
Churn								
Auger								
~~Stripping~~ Roof Bolting	Bolt			$ 1,113.60	290	$ 3.84	290	$ 3.84
~~Trenching~~ Roof Bolting	Feet				184		184	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4182.40		$ 30,084.00				143354.00

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

Date 5/5/55 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/s/ Stephen W Goldok

INSTRUCTIONS

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

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

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

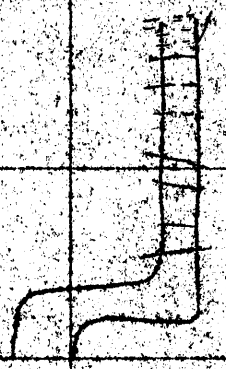
GPO 872894

DMEA PROJECT REPORT
APRIL 1955

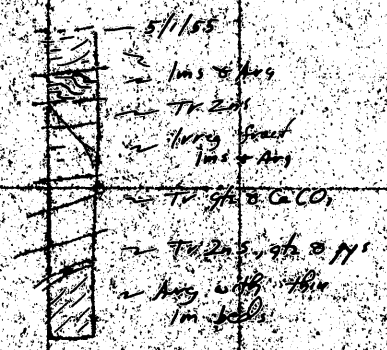
During the month of April the last 9 feet of the slusher drift was completed for a total of 30 feet from the edge of the drift. From the end of the slusher drift a two compartment vertical raise was started and advanced a total of 60 feet. Thus the raise is now a total distance of 90 feet above the 700 track level.

A few small flat slips were cut in this 80 feet. The rock cut consists of interbedded argillites and limestones all lying almost flat. Considerable water was encountered the first 25 feet of the raise. At a point 17 feet up a small slip was cut which contain a little quartz with pyrites and a trace of ZnS.

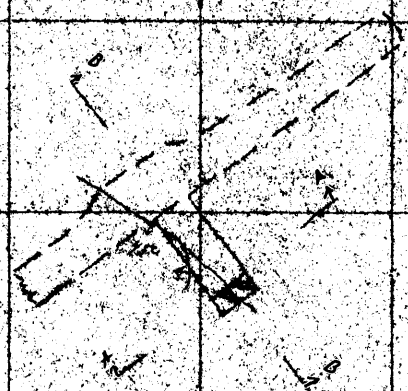
LOCATION 70-880 MINE Triumph LEVEL 700
SURVEY POSITION
GEOLOGY BY J.M.B. SCALE 1" = 50' DATE May 1, 1955



Sec. B-B



Sec. A-A



11600 N

8800 E

LOCATION 70-880 MINE Triumph LEVEL 700
SURVEY POSITION
GEOLOGY BY J.M.B. SCALE 1" = 50' DATE May 1, 1957

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
April 12, 1955

Griswold
Betty

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3394 (lead-zinc), Triumph Mining Company, Blaine County, Idaho, Contract Idm-2696

An inspection of the Triumph mine was made on April 4, 1955 with Mr. Barrett and Mr. Carroll, mine engineers.

The project crosscut under Stage I was completed during the last month. The total footage is 755 feet, of which 750 feet is charged to the project. The face was in a hard blocky argillite.

A two-compartment slusher drift was driven, at roof level, in about 30 feet from the main crosscut. This slusher drift will be used instead of the conventional ore chute from the raise. Past experience has shown that the rock in the Triumph mine will hang and pile up in a chute until, in some instances, the chute is lost. The Operators believe that by dropping the rock directly from the raise to the drift this problem will be eliminated.

The slusher drift was nearly completed and raising was scheduled to start immediately.

The total contract units completed to April 4, 1955 are:

Stage I

	Authorized	Total completed
Crosscut	750 feet	750 feet
Timber	750 "	329 "
Roof bolts (and/or timbering)	750 "	184 " (290 bolts)

No work has been done under Stage II of the project.

The progress and workmanship have been very good.

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

A. L. Service

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of MARCH, 1955 Docket No. DMEA 3394 Contract No. D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50% Amount, $ 71,677.00

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	$1200.00	$21,300.00	$22,500.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering	$ 136.50	$ 2,151.50	$ 2,288.00			
Explosives						
Pipe						
Track						
Roof Bolting	$1113.60	--	$ 1,113.60			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2450.10	$23,451.50	$25,901.60	2450.10	23451.50	25901.60

Hazlewood
Hazlewood
Betty

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 4/5/1955 *Payee TRIUMPH MINING COMPANY
Per T M Rabinovitz Title General Manager

*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:

$ 1225.00

Signature M &P
(Authorized Certifying Officer)

Date 4-15-55 Vou. No. 1486
(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. E696 in accordance with the terms of the contract.

Signature 1S/ Alfred L. Service Title Mining Eng. Date 4-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S/ Stephen W. Goldich Title Mining Engr. Date 4-12-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195 5 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals ead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Feet	$1200.00	40	$22,500.00	750	$30.00	750	$30.00
Raising								
Shafts								
Winzes								
Drilling: ~~Core~~ Timbering	Feet	$ 136.50	21	$ 2,288.00	352	$6.50	750	$ 6.50
Churn								
Auger								
~~Stopping~~ Roof Bolting	Bolt	$1113.60	290	$ 1,113.60	290	$3.84	290	$ 3.84
~~Trenching~~ Roof Bolting	Feet		184		184		184	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2450.10		$25,901.60				143354.00

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

Date 4/5/1955 Operator TRIUMPH MINING COMPANY

Per J. M. Robinson Title General Manager

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

4-11-55

(For Government use only)

151 Alfred R Service

INSTRUCTIONS

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

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

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

GPO 872894

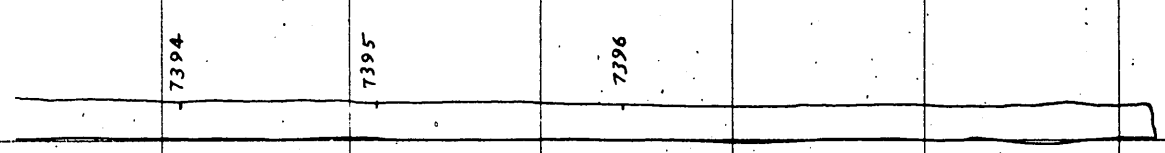
DMEA PROJECT REPORT
MARCH, 1955

During the month of March the main level cross-cut portion of this DMEA Project was completed. An advance of 45 feet was made bring the total advance of the cross-cut to 755 feet. In as much as the project called for only 750 feet only 40 feet of this 45 feet advance was charged to the project. The last 45 feet was all in hard bedded argillite and was untimbered.

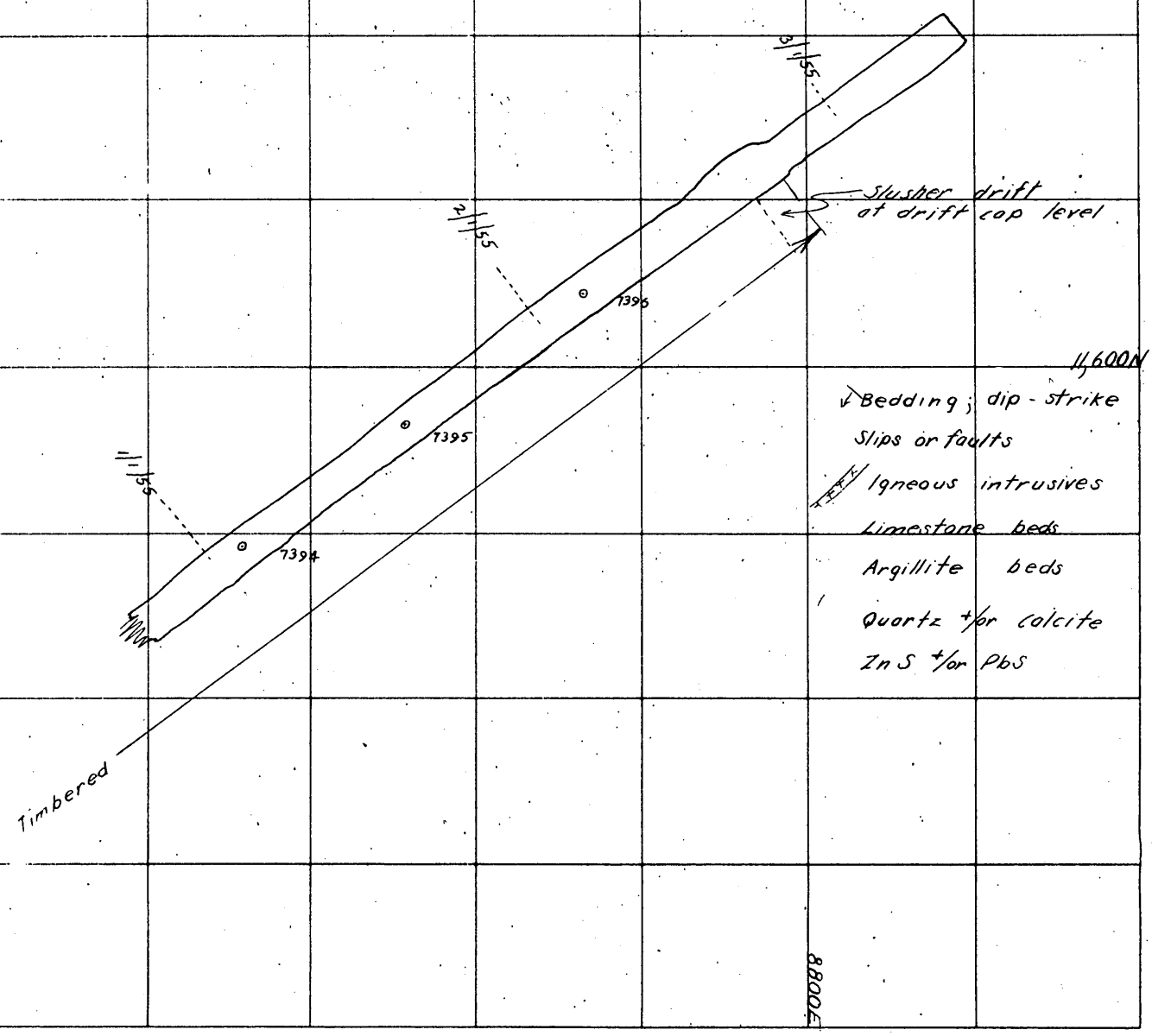
A raise position was selected at a point 680 feet from the point of beginning or 75 feet from the face, and the cross-cut timbered up to this point for an additional 21 feet of timbering.

In the past a great deal of difficulty has been encountered at the Triumph Mine with raises, particularly long raises. The peculiarities of the rock and ore at the Triumph makes it almost impossible to keep and maintain chute gates of any sort in long raises. To offset this difficulty with the raise called for in this DMEA Project it is planned to drive a slusher drift from the cross-cut at cap height a distance of 30 feet at which point the vertical raise will be put up. This work will not be charged against the DMEA Project. To date 21 feet of this slusher drift has been driven.

LOCATION ..... MINE Triumph ..... LEVEL 700
SURVEY ..... POSITION 70-820 X-cut
GEOLOGY BY JMB & RBN SCALE 1"=50' DATE April 1, 1955



Section A-A



Groswold
Betty

XXXXXXXXXXXXXXXXX
1201 N. Division St.
Spokane 2, Washington
March 16, 1955

DMEA-3394

Triumph Mining Company
Triumph, Idaho

Re: Contract Idm-2696
Monthly operating report for
February 1955

Gentlemen:

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

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

By Field Team, Region I
Northwest District

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

cc: DMEA (2) ✓
USGS (2)

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

DMEA Field Team, Region I, NW District March 16, 1955

DMEA Certifying Officer, Region I

Triumph Mining Company, Contract Idm-2696, Monthly Operating Report for February 1955

The subject monthly operating report has been received and processed for payment.

An amount of $1,196.00 claimed for roof bolting has been deleted. The operator claimed 184 ft. of rock bolting at $6.50 per foot which conflicts with the method of payment outlined in Amendment No. 1 to the contract. The charge for rock bolting may be reclaimed by the operator either on a supplemental MF-104 or on the next monthly operating report submitted, provided the cost claimed is arrived at by showing the number of bolts used at $3.84 per bolt. The length of the section bolted should also be shown. The operator states in his letter of February 18, 1955 that he has placed 290 bolts. At $3.84 per bolt, this would result in a charge to the project of $1,113.60.

Myrtle Furdy

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

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
March 15, 1955

Grounded
Betty

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3394 (lead-zinc), Triumph Mining Co., Blaine County, Idaho, Contract No. Idm-E696

The Triumph mine was visited on March 7 with Mr. Carroll and Mr. Barrett, mine engineers.

The project crosscut has been advanced 154 feet since the last inspection. The ground has improved and timbering stopped at station 7396 + 46. The face was in a hard, blocky argillite that stood well, but was very hard to drill. Progress on the project has been good with about 9 feet remaining to finish the crosscut. The raise specified under item 2, Stage I, should start in a few days.

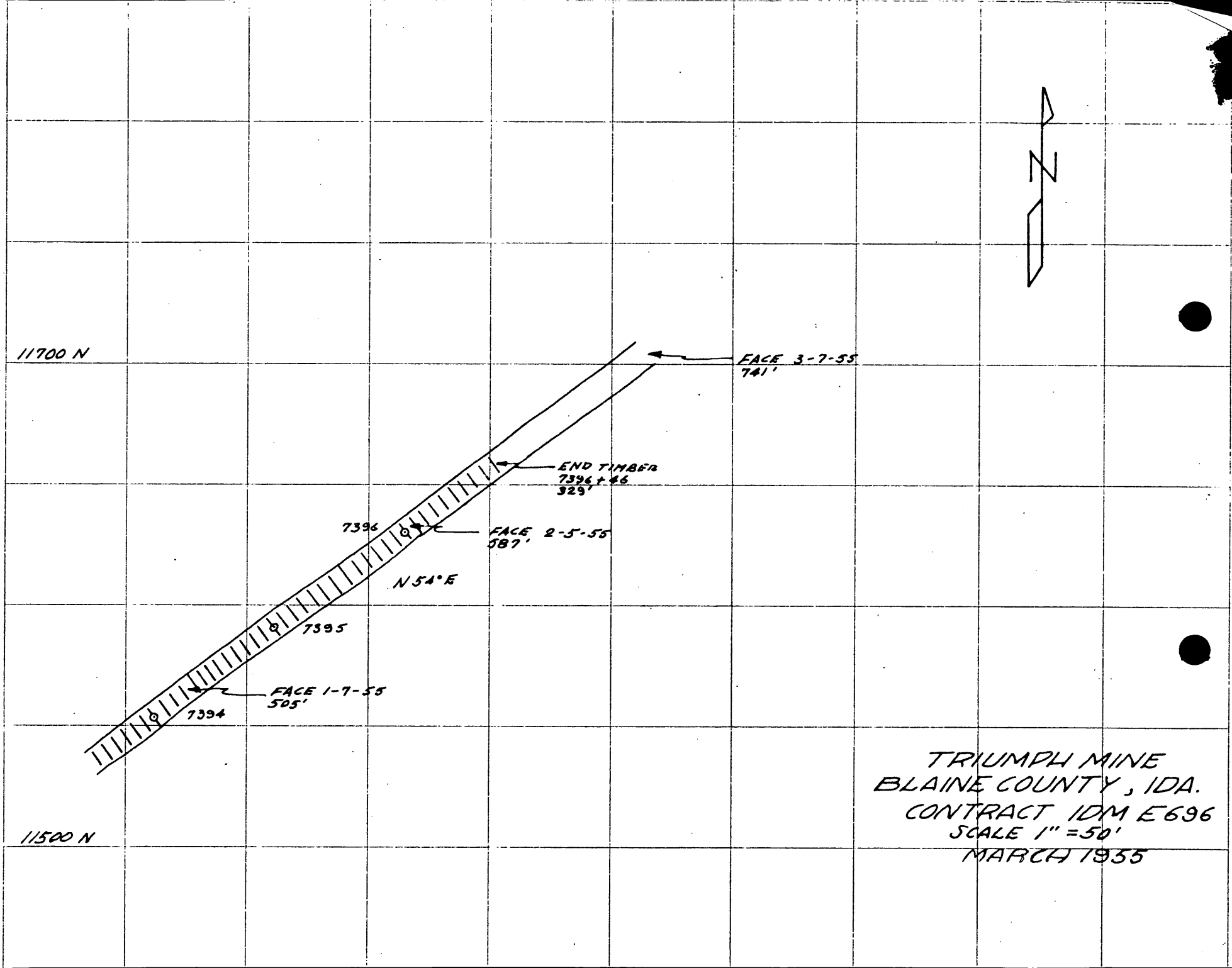
An amendment to permit roof bolting was approved and the Operator turned in 184 feet of roof bolting at $6.50 per foot. There were 290 roof bolts placed from station 7387 + 38 to station 7391 + 12. The roof bolts are apparently effective and considerable time and expense has been saved.

Total contract units completed to March 7 are:

Crosscut	741 feet
Timber	329 "
Roof bolting	184 " (290 bolts)

A. L. Service

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



"ALBANENE" NO. 193M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $ 71,677.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						Howell Hagendieck Betty
Drilling						
Bulldozing						
Crosscutting	$3300.00	$18,000.00	$21,300.00	3300.00	18000.00	21300.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering	$ 468.00	$ 1,683.50	$ 2,151.50	468.00	1683.50	2151.50
Explosives						
Pipe						
Track						
Roof Bolting	$1196.00	00	$ 1,196.00	—0—	—0—	—0—
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4964.00	$19,683.50	$24,647.50	3768.00	19683.50	23451.50

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

Date 3/5/1955 *Payee TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

*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:

$ 1884 00

Signature M 2P
(Authorized Certifying Officer)

Date 3-17-55 Vou. No. 1461
(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 696 in accordance with the terms of the contract.

Signature /S/ Alfred R Service Title Mining Engr Date 3-15-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 3-15-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696

Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc

Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet	$3300.00	110	$21,300.00	710	$30.00	750	$30.00
Raising								
Shafts								
Winzes								
~~Drilling Core~~ Timbering	Feet	$ 468.00	72	$ 2,151.50	331	$ 6.50	750	$ 6.50
Churn								
Auger								
~~Stripping~~ Roof Bolting	Feet	$1196.00	184	$ 1,196.00	184	$ 6.50	184	$ 6.50
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4964.00		$24,647.50				$143,354.00

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

Date 3/5/1955 Operator TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

DMEA Project Report

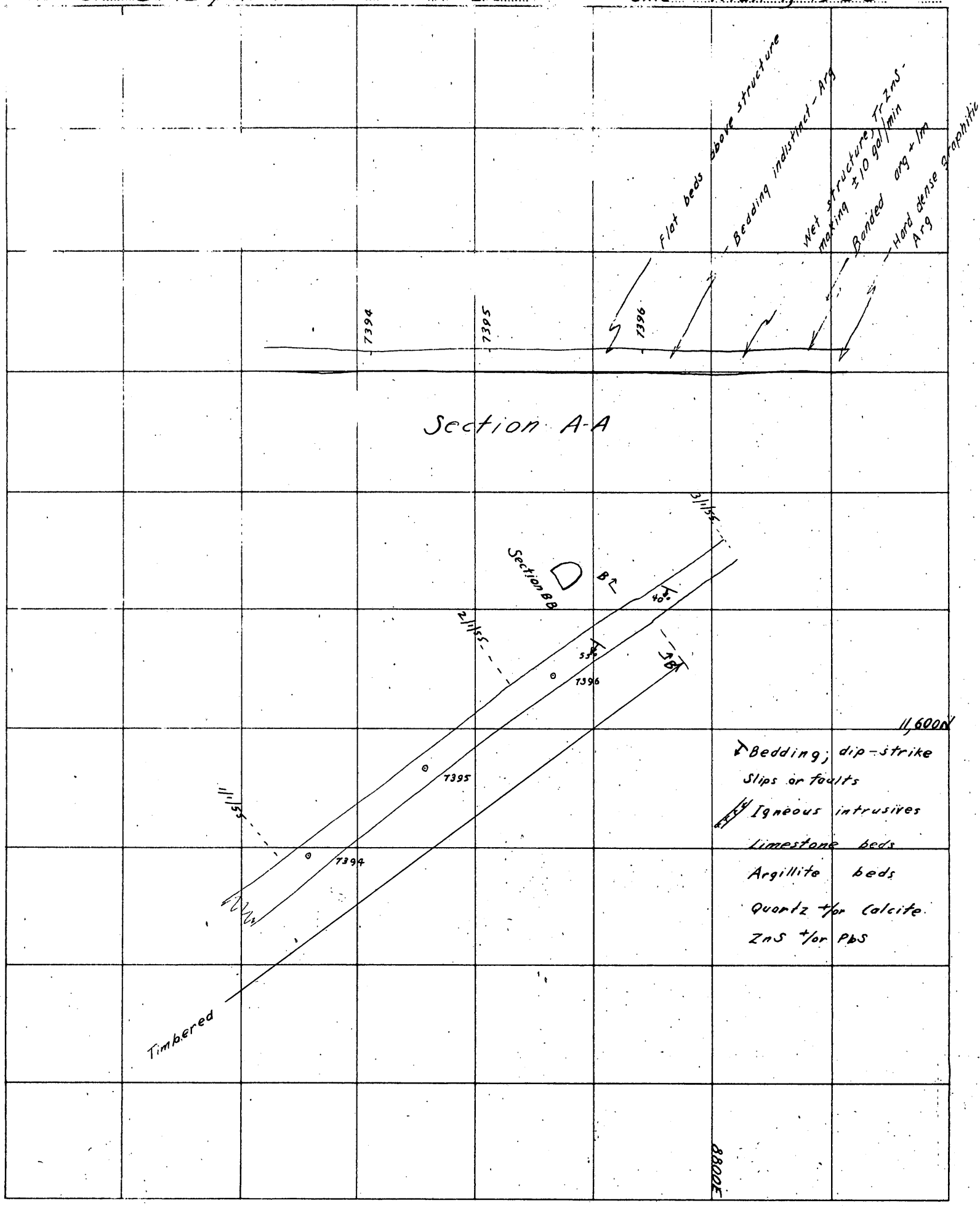
Advance during the month 110 feet. 72 feet timbered and 38 feet untimbered. Face at north coordinate 11675 and east coordinate 8760. First 60 feet in indistinct argillite, with some limestone, beds; one small fault cut which strikes N-S and dips 60° west. At north coordinate 11640 and east coordinate 8760 a gouge structure 1 to 2 feet wide was cut, and along which approximately 10 gallons of water per minute is making. This gouge structure has a mean strike of N80°W and dips 28° to the south. This structure contains an occasional trace of ZnS and quartz with pyrites. The footwall of this structure is a hard dense argillite with an occasional thin band of limestone. The last 60 feet is all in this hard footwall material. The total footage on this cross-cut is now 710 feet.

BUREAU OF MINES
RECEIVED
MAR 1 1 1955
INFORMATION

LOCATION
SURVEY
GEOLOGY BY JMB & RB

MINE Triumph
SCALE 1"=50'

LEVEL 700
POSITION 70-820 x-cut
DATE Mar 1, 1955



DMEA Field Team, Region I, NW District March 16, 1955

DMEA Certifying Officer, Region I

Triumph Mining Company, Contract Idm-2696, Monthly Operating Report for February 1955

The subject monthly operating report has been received and processed for payment.

An amount of $1,196.00 claimed for roof bolting has been deleted. The operator claimed 184 ft. of rock bolting at $6.50 per foot which conflicts with the method of payment outlined in Amendment No. 1 to the contract. The charge for rock bolting may be reclaimed by the operator either on a supplemental MF-104 or on the next monthly operating report submitted, provided the cost claimed is arrived at by showing the number of bolts used at $3.84 per bolt. The length of the section bolted should also be shown. The operator states in his letter of February 18, 1955 that he has placed 290 bolts. At $3.84 per bolt, this would result in a charge to the project of $1,113.60.

Myrtle Purdy

cc: DMEA (2)
USGS (2)
Wash. (2) ✓

500

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
February 10, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: A. L. Service, mining engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3394 (lead-zinc), Triumph Mining Company, Blaine County, Idaho, Contract Idm-E696

The property was inspected on February 5, 1955 with Mr. John Barrett, mine engineer.

The crosscut scheduled under item 1, Stage I, of the contract has advanced a total of 587 feet. The advance since the last inspection is 115 feet. Timbers have been required from station 7391 + 12. Progress for the month has been normal with no unusual conditions or problems encountered.

The present face of the drift is in argillite and calcite with small scattered quartz stringers. The cross section is about 9x8 feet. Timbers are set on 5-foot centers.

The average advance is about 6.5 feet per round with 30 to 35 holes. The workmanship and progress are good.

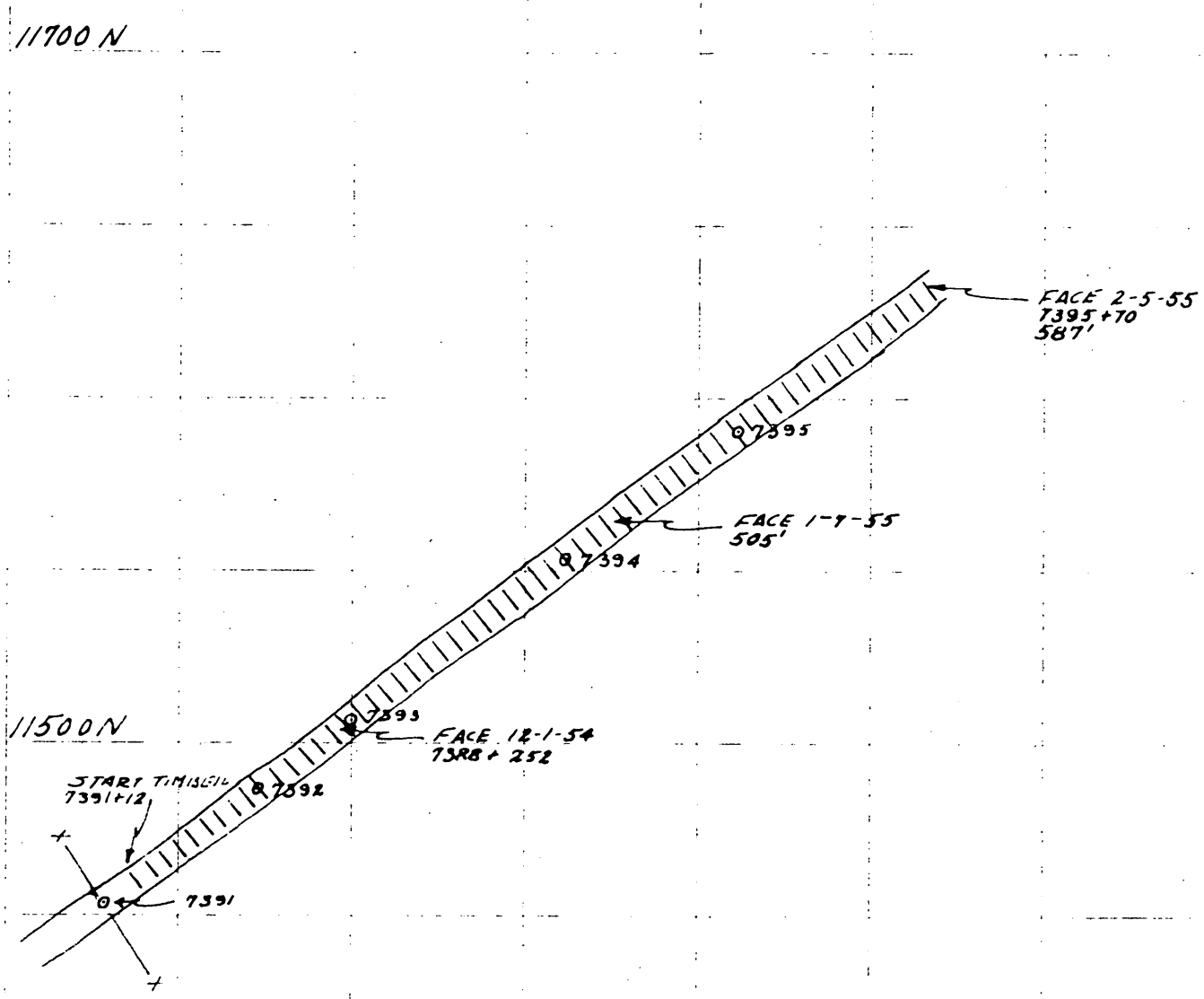
Total contract units completed to date are:

Crosscut	587 feet
Timber	286 "

If the present rate of advance continues, the crosscut will be finished during the month of February and the raise under item 2, Stage I, will be started.

A. L. Service

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



TRIUMPH MINING CO.
TRIUMPH, IDAHO
DMEA 3394 IDM E-696
1" = 50'

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

Budget Bureau No. 42-R1036.5

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1955 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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	$3660.00	$14,340.00	$18,000.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering	$ 773.50	$ 910.00	$ 1,683.50			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4433.50	$15,250.00	$19,683.50	4433.50	15250.00	19683.50

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

Date 2/10/55 *Payee TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

*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:

$ 2216 25

Signature M E P
(Authorized Certifying Officer)

Date 2/16/55 Vou. No. 1440
(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 696 in accordance with the terms of the contract.

Signature /s/ Alfred P. Service Title Mining Eng Date 2/14/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Eng Date 2/14/55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 21 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 195 5 Docket No. DMEA 3394 Contract No. I.D.M. 696

Operator's Name TRIUMPH MINING COJPANY Minerals Lead-Zinc

Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet	$3660.00	122	$18,000.00	600	$30.00	750	$30.00
Raising								
Shafts								
Winzes								
~~Drifting Cost~~ Timbering	Feet	$ 773.50	119	$ 1,683.50	259	$ 6.50	750	$ 6.50
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4433.50		$19,683.50				$143,354.00

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

Date 2/10/55 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

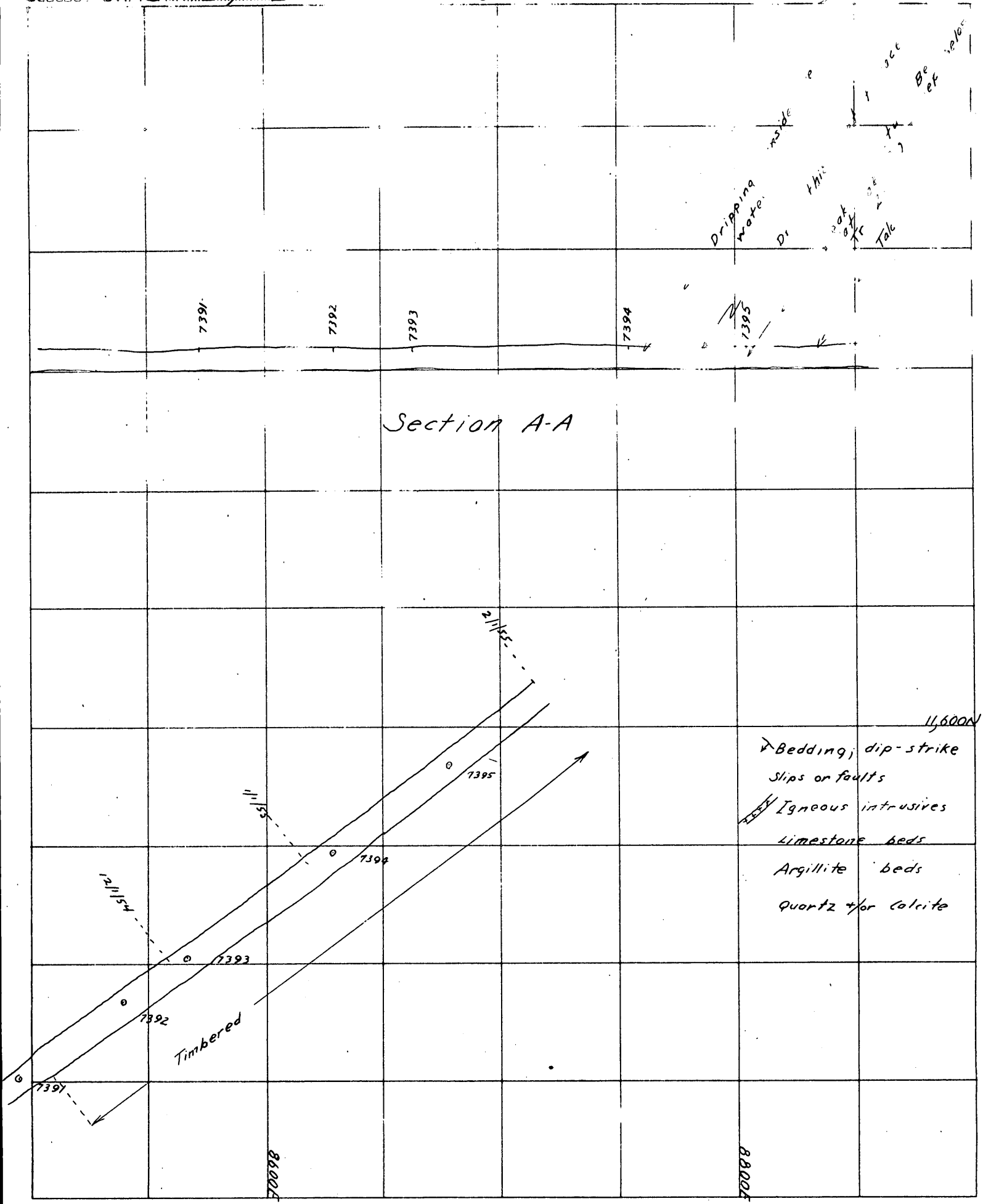
D.M.E.A. for January 1955

Advance 122 feet. Face at north coordinate 11615 and east coodinate 8715. Cut a small structure at north coordinate 11542 and east coordinate 8622. This structure strikes N60°W and dips 15° to the SW and contains a little quartz with pyrites and an occasional trace of zinc. At north coordinate 11580 and east coordinate 8676 a flat dipping NW striking gouge structure was cut which also contains a little zinc. This advance has been thru a series of highly contorted argillites and limestones which are so fractured that timber was required the entire 122 feet.

LOCATION
SURVEY
GEOLOGY BY JMBERBN

MINE Triumph
SCALE 1" = 50'

LEVEL 700
POSITION 70-820 x-cut
DATE Feb. 1955



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

Budget Bureau No. 42-R1036.5

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

Month of December 1954 Docket No. DMEA 3394 Contract No. I.D.M.
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO
Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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:						Grounded Betty
Drilling						
Bulldozing						
Crosscutting	$2310.00	$12,030.00	$14,340.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber in g	910.00		910.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$3220.00	$12,030.00	$15,250.00	3220.00	12030.00	15250.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 1/7/55 *Payee TRIUMPH MINING COMPANY
Per T M Robinson Title General Manager

*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:

$ 1610 00

Signature M G P
(Authorized Certifying Officer)

Date 1/19/55 Vou. No. 1414
(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. E696 in accordance with the terms of the contract.

Signature /S/ Alfred R. Service Title Mining Eng. Date 1-14-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Eng. Date 1-14-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 4 1955

Month of December 1954 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet	$2310.00	77	$13,340.00	478	$30.00	750	$30.00
~~Raising~~ Timbering	Feet	910.00	140	910.00	140	$ 6.50	750	$ 6.50
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3220.00		$15,250.00				

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

Date 1/7/55 Operator TRIUMPH MINING COMPANY

Per F M Robinson Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

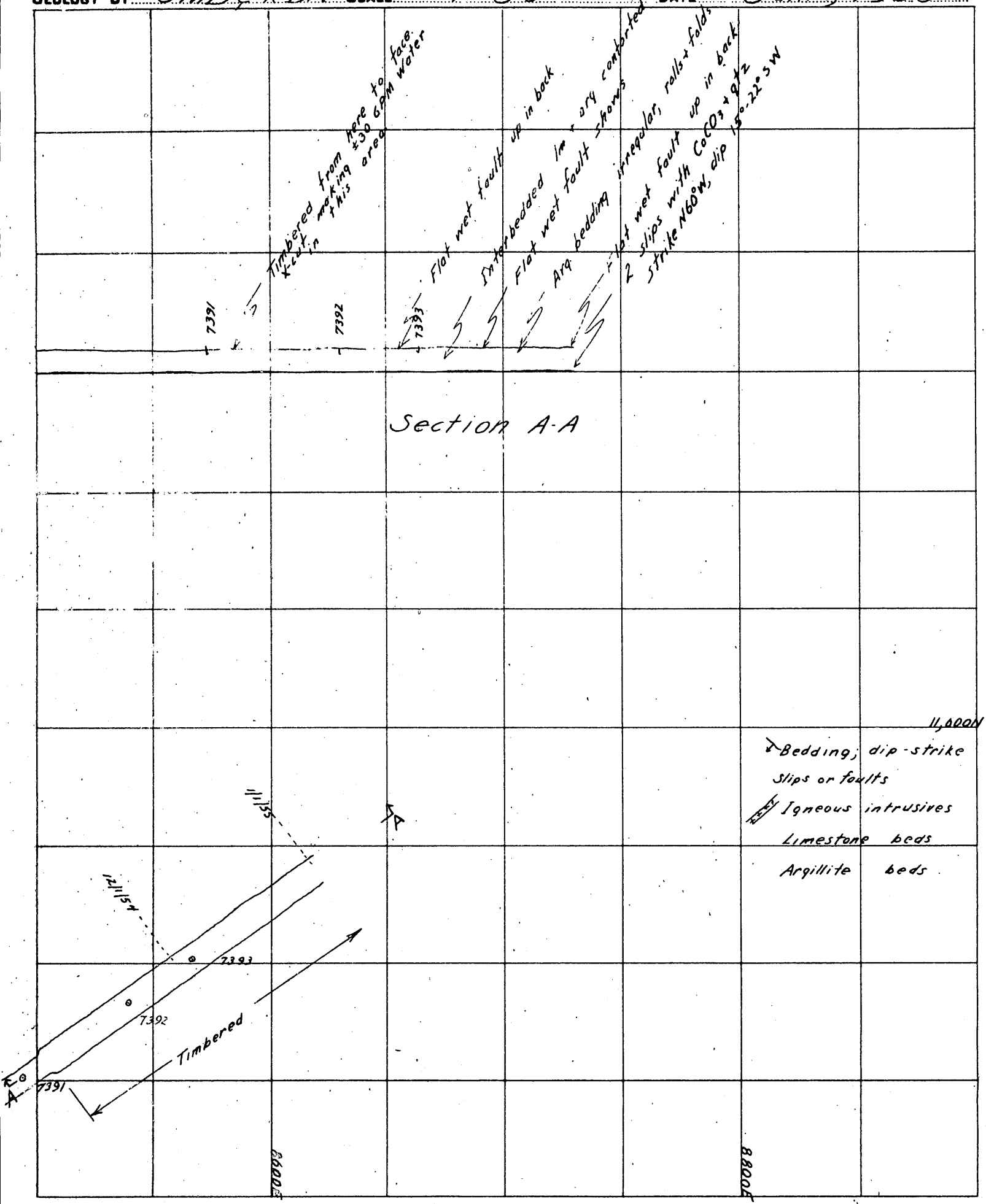
Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

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

GPO 83-38475

70-820 CROSSCUT - Advance 77 feet. Face at north coordinate 11,540 east coordinate 8620. This advance was through a highly contorted series of interbedded limestone and argillite and directly below a flat rolling gouge which necessitated stopping the heading and timbering a total of 140 feet. Timber is at present being installed as the heading is advanced. The heading is at present cross-cutting a structure 6 to 7 feet in width striking approximated North 70° West and dipping 20°-25° southwest. Mineralization is in the form of 1 foot of ZnS and pyrite. Irregular lenses and pods of Qtz. in the handing wall of this structure also contained traces of silver and lead. The heading is making around 25 gallons of water per minute.

LOCATION ..... MINE Triumph LEVEL 700
SURVEY ..... POSITION 70-820 x-cut
GEOLOGY BY JMB & RBN SCALE 1"=50' DATE Jan. 1, 1955



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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of NOVEMBER, 195 Docket No. DMEA 3394 Contract No. I.D.M. 696

Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc

Address TRIUMPH, IDAHO

Contract Amount, $ 143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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:						Griswold Betty
Drilling						
Bulldozing						
Crosscutting	$5,970.00	$6,060.00	$12,030.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$5,970.00	$6,060.00	$12,030.00	5970.00		12030.00

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

Date 12/4/54 *Payee TRIUMPH MINING COMPANY

Per T M Robinson Title GENERAL MANAGER

*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:

$ 2985.00

Signature M. Dp
(Authorized Certifying Officer)

Date 12/16/54 Vou. No. 1383
(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 696 in accordance with the terms of the contract.

Signature /S/ Verdo Z Johnson Title Mining Engr Date 12/10/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 12/10/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1954 Docket No. DMEA 3394 Contract No. I.D.M. 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead - Zinc
Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet	$5,970.00	199	$12,030.00	401	$30.00	750	$30.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$5,970.00		$12,030.00				$143,354.00

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

Date 12/4/54 Operator TRIUMPH MINING COMPANY
Per J M Rabicoza Title GENERAL MANAGER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

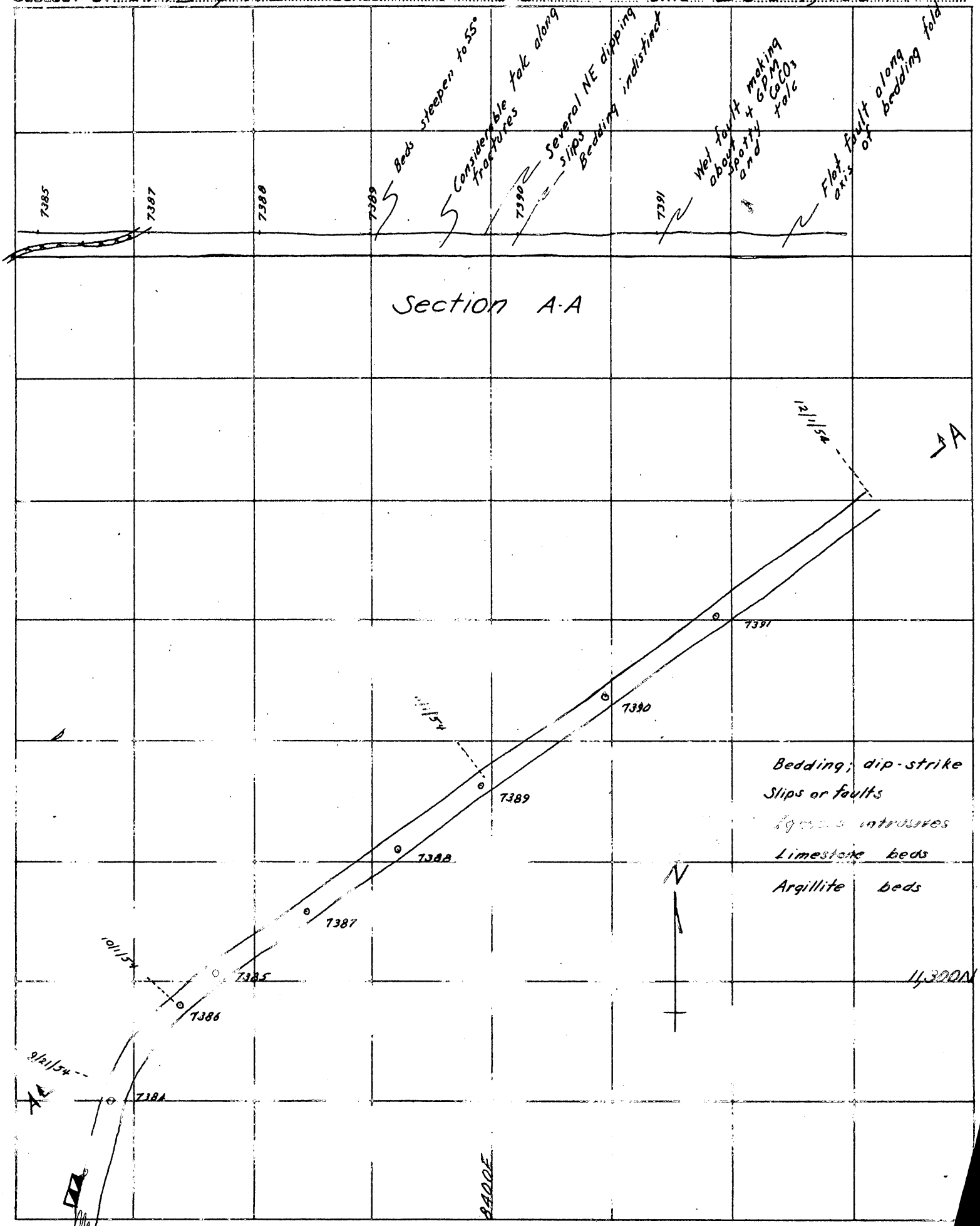
GPO 872894

MONTHLY REPORT OF OPERATION
DOCKET NO. DMEA 3394
CONTRACT no. I.D.M.696

MONTH OF NOVEMBER, 1954

During the month of November 199 feet of drifting was completed on this project. All of this 199 feet was untimbered. A number of small slips cut some of which are making water. Beds are some what contorted and consist of interbedded limestones and argillites. Some of the rock is somewhat shattered but still sufficiently hard to run the heading without timber. No mineralization cut.

LOCATION ..... MINE Triumph ..... LEVEL 700
SURVEY Transit - [redacted]BN ..... POSITION 70-820 x-cut
GEOLOGY BY JMB & [redacted]BN SCALE 1" = 50' DATE Dec. 1, 1954



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
November 10, 1954

RECEIVED

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Triumph Mining Company, Blaine County, Idaho, Contract No. Idm-E696, Docket No. DMEA 3394 (lead-zinc)

The inspection was made on November 1, 1954 with Mr. John Barrett, mine engineer.

Two hundred and two feet of the 750-ft. crosscut scheduled under Item 1 of Stage I of this contract has been completed. From coordinates 11255 N and 8245 E on the main haulage level the project crosscut makes a gentle curve eastward and is then driven on a N. 55° E. course.

Timbering has not been required in the interbedded limestone quartzite bands. The cross section is unusually large - 9x8 feet.

Two Gardner-Denver jacklegs are used to drill 28 to 33 holes, 4 feet deep. An advance of about 3.7 feet has been the average for each round. One box of 40% dynamite is required per round. Thirteen 36 cu.ft. cars are usually broken by these rounds, and the Gardner-Denver rocker shovel completes mucking in about two hours. Incentive labor contracts are not used by this Operator. Two shifts of two men each are employed at the face.

The Operator is considering a raise at his own expense from near the present face to the overlying flat-dipping vein.

The advance and workmanship are good.

V. Z. Johnson

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

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

Budget Bureau No. 42-R1036.5

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

Month of October, 1954 Docket No. DMEA 3394 Contract No. IDM 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $71,677.00

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	$4770.00	$1290.00	$6060.00	4770.00	1290.00	6060.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4770.00	$1290.00	$6060.00	4770.00	1290.00	6060.00

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

Date 11/5/54 *Payee TRIUMPH MINING COMPANY

Per J M Robinson Title General Manager

*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:

$ 2385.00

Signature M 2P
(Authorized Certifying Officer)

Date 11/12/54 Vou. No. 1355
(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. E696 in accordance with the terms of the contract.

Signature /s/ Verdo G. Johnson Title Mining Eng Date 11/8/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Eng Date 11/9/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
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 1954 Docket No. DMEA 3394 Contract No. IDM 696

Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc

Address TRIUMPH, IDAHO

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Feet	$4770.00	159	$6060.00	202	$30.00	750	$30.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4770.00		$6060.00				$143,354.00

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

Date 11/5/54 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title General Manager

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

November 4 1954

Defense Minerals Exploration Administration
Region II
So. 157 Howard Street
Spokane, Washington

Re: Docket No. DMEA-3394(Lead-Zinc)
Triumph Mine
Blaine County, Idaho

Gentlemen:

Enclosed herewith are the original and four (4) copies each of the following for October 1954:

(a) Form MF104 Operator's Monthly Report and Voucher
(b) Form MF-104A Operator's Unit Cost & Progress Report
(c) Sketch showing advance and character of ground traversed.

Yours very truly

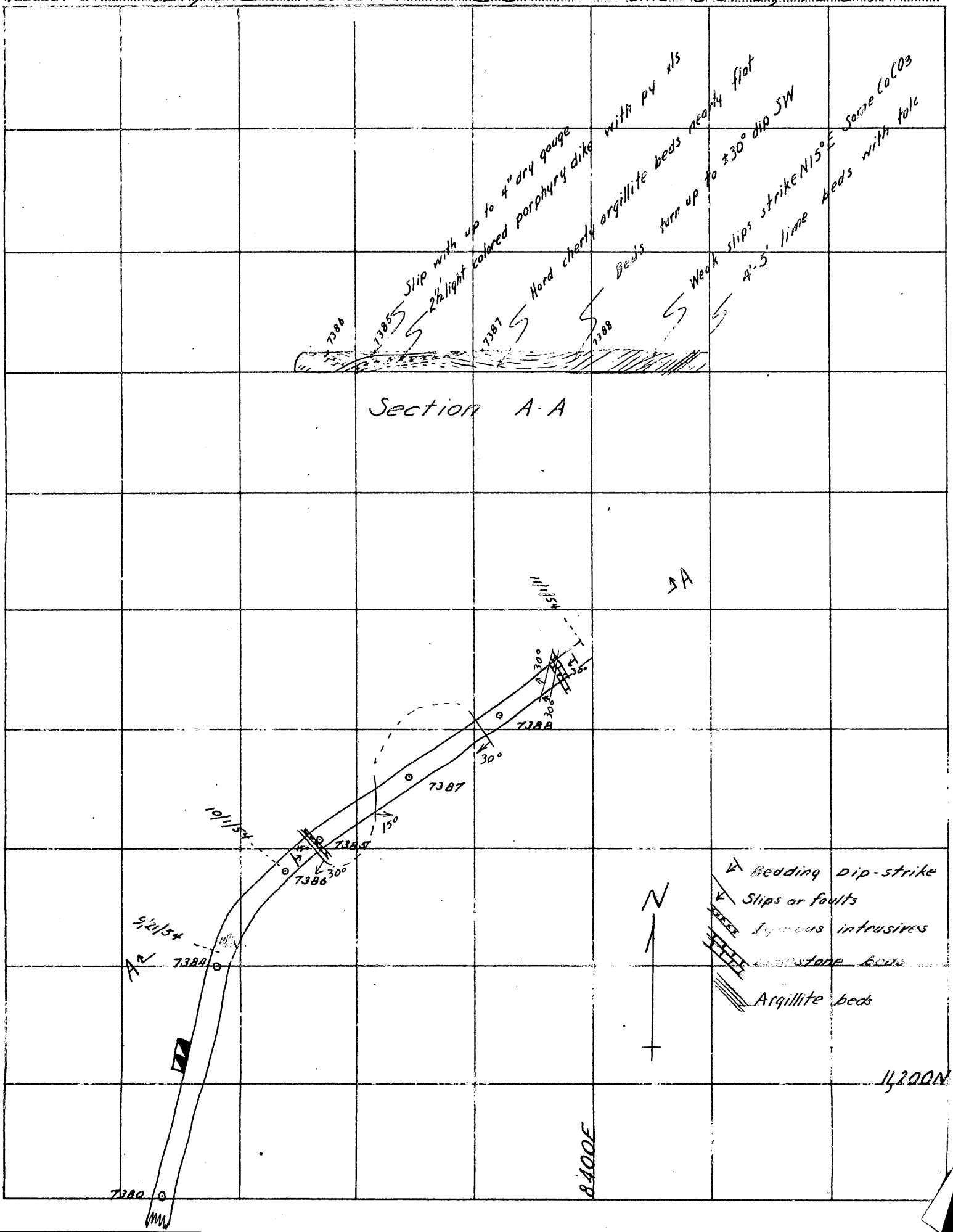
TRIUMPH MINING COMPANY

By L M Robinson
L. M. Robinson, Gen. Manager

LMR:mm

Encls.

LOCATION ..... MINE Triumph LEVEL 700
SURVEY Transit - BBN POSITION 70-820 x-cut
GEOLOGY BY JMB & RBB SCALE 1" = 50' DATE Oct. 31, 1954



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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DMEA 3394 Contract No. IDM 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address TRIUMPH, IDAHO
Contract Amount, $143,354.00 Government Participation: 50 % Amount, $ 71,677.00

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:						~~[illegible]~~ Betty
Drilling						
Bulldozing						
Crosscutting	$1290.00	none	$1290.00	1290.00	—0—	1290.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1290.00	none	$1290.00	1290.00	—0—	1290.00

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

Date 10/8/54 *Payee TRIUMPH MINING COMPANY

Per J M Robinson Title GENERAL MANAGER

*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:

$ 645.00

Signature MGP
(Authorized Certifying Officer)

Date 10/13/54 Vou. No. 1318
(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 696 in accordance with the terms of the contract.

Signature /s/ Verda Z. Johnson Title Mining Engr Date 10/12/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 10/12/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of SEPTEMBER 1954 Docket No. DMEA 3394 Contract No. IDM 696
Operator's Name TRIUMPH MINING COMPANY Minerals Lead-Zinc
Address ~~TRIUMPH, IDAHO~~

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	feet	$1290.00	43	$1290.00	43	30.00	750	30.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1290.00		$1290.00				$143,354.00

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

Date Oct. 8, 1954 Operator TRIUMPH MINING COMPANY

Per T M Robinson Title GENERAL MANAGER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

GPO 872894

Minerals
RECEIVED

October 8, 1954

Defense Minerals Exploration Administration
Region II
So. 157 Howard Street
Spokane, 4, Washington

Re: Docket No. D.M.E.A.-3394(Lead-Zinc)
Triumph Mine
Blaine County, Idaho

Gentlemen:

Part (c) Narrative to accompany Progress Report on advance made on the above project during September 1954.

It will be noted that the cross cut phase of this project was started September 21, 1954 at Survey Station 7334 plus 8 feet. The face of this cross-cut (70-820) was advanced 43 feet during September through gently dipping argillite beds with a few interbedded limestone and quartzite bands.

Yours very truly,

TRIUMPH MINING COMPANY

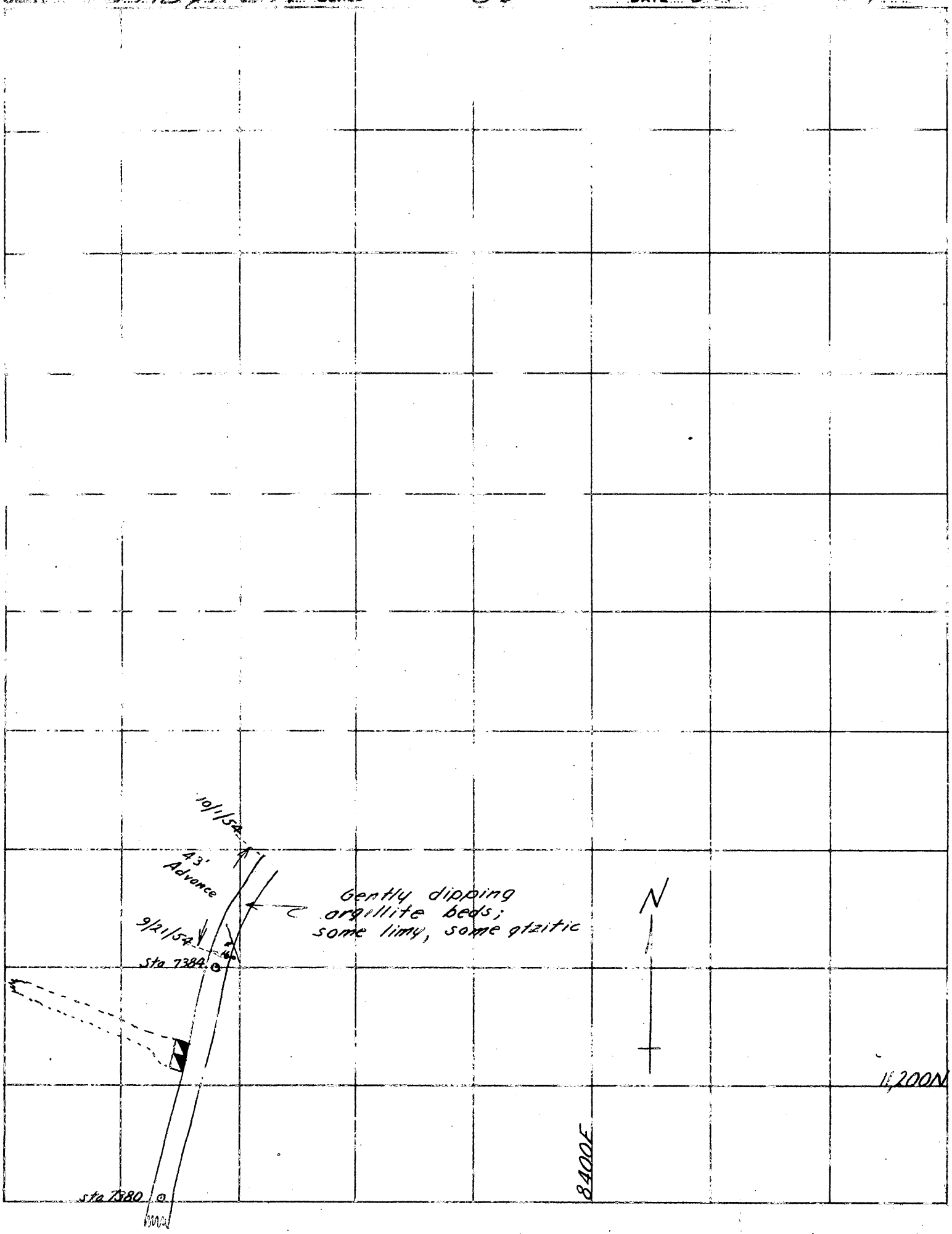
By L. M. Robinson
L. M. Robinson, Gen. Manager

LMR:mmr

LOCATION
SURVEY
GEOLOGIST

MINE Triumph
SCALE 1" = 50'

LEVEL 700
POSITION
DATE Oct 1954



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

June 29, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: Thor H. Kiilsgaard, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3394 (Lead-Zinc), Review of Triumph Mining Company Application, Blaine County, Idaho.

RECOMMENDATION

It is recommended that the cited application be approved, the work to be done at unit costs proposed in the application. All proposed work is recommended except the inclined raising which should be reduced to a total length of 1,000 feet.

INTRODUCTION

On June 18, 1953, we forwarded from this office an application submitted by the Triumph Mining Company, whose Triumph mine is in Blaine County, Idaho. In our forwarding letter we stated that all proposed costs had been checked by DMEA examiners before the final draft of the application was prepared, therefore, no cost analysis would be submitted. We also stated that as our field men were familiar with the property, no field examination would be scheduled but that an appraisal of the proposed project would be prepared from data on hand. This memorandum is intended to evaluate the applicant's proposal and to describe briefly the geologic justification for the proposed work.

GEOLOGY

The geology and location of the Triumph area is described in the following reports:

1. U. S. Geological Survey Bulletin 814, Geology and Ore Deposits of the Wood River Region, Idaho, by J. B. Umpleby, et al.

2. Idaho Bureau of Mines and Geology, Pamphlet 90, The Geology and Ore Deposits of the Triumph-Parker Mine Mineral Belt, by Thor H. Kiilsgaard.

3. Unpublished report in U. S. Geol. Survey files, Detailed Report on Triumph Mine, Blaine County, Idaho, by C. W. Merriam and C. N. Bozion, 1942.

As these reports deal extensively with the regional geology of the Triumph area, only the veins to be explored will be discussed herein. Production statistics, although not up-to-date, can also be obtained from these publications.

Three strong veins have been productive in the Triumph area. These are the North Star, Triumph, and Independence. These veins are members of an imbricate vein pattern, formed from thrust faults, striking northwest and dipping rather gently to the southwest. The North Star vein crops out farthest to the east and is uppermost in the vein pattern. In the No. 3 tunnel of the Triumph mine the North Star vein overlies the Triumph vein by about 200 feet, but it merges with the Triumph vein on lower mine levels (see figure 18 in Killsgaard's report). As shown on the Composite Plan map submitted with the application, the North Star vein has been productive from about the East 12,600 coordinate to the East 10,500 coordinate, and from the outcrop down the dip of the vein for about 1,500 feet. On the outcrop the vein strikes across a ridge known as North Star Peak. East of this ridge, the outcrop is lost in North Star Canyon. West of the ridge, the outcrop disappears in Rose Gulch, but where followed underground to the west the vein flattens in dip, becomes barren, and very difficult to trace. There is even the possibility that it merges with the Triumph vein, although this has not been proven in the western area. The location of the vein in the western part of the mine is also complicated by a number of faults which have offset it.

The Triumph vein has a very short outcrop of a few hundred feet along the eastern side of Rose Gulch, passing through that block of ground bounded by coordinates 10,000 and 12,000 East, and 10,000 and 11,600 North, as shown on the Triumph claim map, copies of which accompany the application. As seen in figure 18 of Killsgaard's report, the Triumph vein has been largely undeveloped between the outcrop and the No. 3 tunnel level. This area presents excellent exploration possibilities. Below the No. 3 tunnel level the vein has been developed to the 1000 level, a total down-dip distance from the outcrop of about 3,250 feet. Maximum strike length of the productive part of the vein is difficult to measure but appears to be on the order of 2,000 feet.

The vein is not a simple fissure but instead is a complex zone as much as 40 feet thick from footwall to hanging wall. A number of less important but productive veins branch off from the Triumph vein. The ore produced from the Triumph has been in part fissure ore from the vein and in part replacement ore from limestone beds intersected by the vein. One of these replacement ore

bodies -- the "complex" body -- ranged from 6 to 50 feet in thickness, having a strike length of 700 feet and a dip length of 170 feet. Ore from this deposit averaged 0.02 ounce gold, 6.50 ounces silver, 5.90 percent lead, and 13.00 percent zinc.

Ore bodies in the Triumph fissure zone rake from east to west, as may be seen on the composite map. The downward extension of these bodies was being explored on and from the 1000 level during the winter of 1952-53, when the 1000 level heading hit an enormous flow of water that completely flooded the lower levels of the mine. When the mine was dewatered, it was found that the 1000 level had been largely demolished and was unusable. Exploration on and below that level has not been resumed; therefore, little is known of the characteristics of the ore bodies in those lower areas, although the ore is known to extend below the 1000 level.

In following the raking Triumph ore bodies to the west, the vein was found to be sinuous both in strike and in dip. Also, the vein zone was found to be offset by numerous faults. In these areas where the vein flattened the ore pinched out, elsewhere, in areas of normal dip -- about 30 degrees -- the vein was productive. In the flattened areas although the ore became nonproductive, there was a considerable amount of crushed and broken lead-zinc mineralization throughout the fissured area. This would imply that the flattened areas of the vein are actually caused by post-mineral flat faults instead of changes in dip, as postulated in cross section A-A', as submitted with the application.

The Independence vein crops out on the north side of Independence peak. It is the lowermost of the Triumph vein series, lying about 800 feet below the projected outcrop of the Triumph vein, but trending roughly parallel to it. The Independence is the smallest producer of the three veins, having been productive from the outcrop down dip for about 700 feet and along the strike for an over-all distance of about 1,000 feet. The mine has been inactive since 1922. Below the 6 level the dip of the vein flattened abruptly and the vein ceased to be productive. At the time the mine was producing, the ore was milled at the Independence mill near the head of Independence Gulch. The mill had a limited water supply and was in a snowslide area; therefore, to facilitate operations, the Plummer tunnel was driven from the North Star surface plant to tap the downward extension of the Independence vein and to be used primarily as a haulage level of Independence ore, which was to be milled in the North Star mill. From the Plummer tunnel, the No. 1 raise was driven to hole through on the 6 level of the Independence mine (see plate 23, U. S. Geol. Survey Bull. 814). The 10 level was driven off this raise to intersect the flattened Independence vein, but it was not extended far enough to accomplish this purpose.

In driving the Plummer tunnel a strong but barren structure having a similar attitude of the Independence vein was intersected several hundred feet south of the foot of the No. 1 raise. This vein was so far to the south that it was not suspected as being the Independence vein and consequently was never explored. Subsequent development in the Triumph mine on lower levels indicates that it is the Independence vein and this is one of the reasons why the applicant now wishes to explore the proposed target area, as the vein would project westerly and at lower levels into the area to be explored.

APPLICANT'S PROPOSAL

The applicant proposes to extend a branch of the main haulage level of the Triumph mine, the 70-820 crosscut, in a N. 55°E. direction for a distance of 750 feet or until a strong vein structure is discovered. If a vein is found, it will be drifted on both easterly and westerly, but if no vein is found, a maximum of 300 feet of vertical raise will be driven from a point 700 feet from where project work in the 70-820 crosscut began. If no vein is found in the raise, the project will be abandoned, but if a vein is found -- a very good probability -- it will be drifted on 500 feet westerly and 1,400 feet easterly. From these drifts, a total of 2,000 feet of inclined raises are to be driven to further test the structure explored by the drifts.

DISCUSSION OF APPLICANT'S PROGRAM

A casual glance at the applicant's Composite Plan map indicates that the Triumph veins form an imbricate but en echelon pattern with the North Star being uppermost and farthest to the east; the Triumph being in the center and being the most explored on lower western levels; and the Independence being lowermost and whose outcrop is farthest to the west. There is strong reason to believe that the Triumph and North Star merge, at least locally, although this fact is believed to have been proven in only one working place. There is also reason to believe that the Triumph and Independence veins merge on dip although this cannot be proven. Such a merger is indicated on the applicant's cross section A-A, although it is just as easy to believe in this section that the Triumph vein weaves upward to crop out at the site of the Kouninger hanging wall and footwall veins, and that the Independence vein passes in the footwall beneath the Triumph workings. The fact is that the Triumph, since 1927, has mined in good ore in the Triumph fissure area and has done very little exploration for the very simple reason that there has been little need for exploration. The present proposed program marks the first time they have seriously considered testing the footwall of the Triumph zone.

The target area they propose to test has excellent possibilities. They will determine whether the Independence vein continues downward as a footwall structure, in which case the vein should be hit in the 700 level crosscut. There are even good possibilities that ore will be found in the 70-820 crosscut. Farther to the northwest the 70-759 drift followed a strong vein containing small bodies of good ore, but for the most part the vein had a flat dip, was badly broken and quite barren. If the vein is intersected in the proposed 70-820 crosscut, in a segment with a steep dip, it could be productive. If no vein is found in the crosscut, they will raise to intersect what would appear to be the merger of the Independence and Triumph veins. Because of the difference in elevation between the Triumph 700 level and the Independence 6 level and because of the flattened dip of the Triumph vein in the area southwest of the target area and the flattened dip of the Independence vein below the 6 level, there has to be an interval in the intervening area where the dip of the vein is steeper. The proposed vertical raise, drifting, and inclined raises are designed to explore that part of the vein having a steeper dip, as diagrammatically shown in section A-A'. As the bulk of the ore mined in the three veins has come from steeper-dipping sections of the veins, it is logical to assume the anticipated steeper-dipping section in the target area will also be productive. The exploration possibilities are doubly enhanced by the existence of a productive zone in the Independence mine above the area to be explored and one below in the Triumph. Added to the possibility of a merger of the Triumph and Independence at depth is the possibility of Koeninger veins and other known veins extending into the target area. There is also known to be limestone beds in this footwall area. If these beds intersect the vein system, there is the possibility of other replacement deposits such as were mined in the Triumph.

The proposed exploration work appears to be well planned and should adequately test the target area. All of the work is justified except the excessive amount of inclined raising. As shown on the applicant's composite map the raising would actually develop the block for mining. It is, therefore, recommended that only 1,000 feet of inclined raising be allocated in the contract instead of the 2,000 feet requested. The raises to be driven would not be of uniform length and spacing as shown on the applicant's map, but would be located at sites jointly approved by the operator and the Government. Their purpose would be not to block out ore but to test the extent of the ore bodies. As the ore will probably occur on a dip of about 30 degrees and as it will probably rake to the west, it can best be explored by inclined raises. This will be particularly true in those areas where the dip is flatter than 30 degrees. It is believed, however, that 1,000 feet of inclined raising is sufficient to test the target area.

GROUND TO BE COVERED IN THE CONTRACT

On the Triumph claim map, the applicant has shown by a red line the block of ground to be covered in the contract. Listed in the application are the claims or fractions of claims falling within these marked limits. The proposed intermediate level drifting would extend from the eastern to the western limits of this block of ground.

In setting up the block of ground for the contract, the applicant did not intend to establish limits at the points where drifting would cease. Instead, the applicant confined the limits to that area where ore was expected. In other words, ore is not expected beyond the eastern and western block limits, as ore was not found beyond those limits in either the Independence or Triumph mines. By the same reasoning, the up-dip portion of the vein northeast of the northern limits will be in an area of flattened dip where ore is not expected, as will the down-dip extension of the vein between the southwestern border of the block and the lower Triumph mine workings. When it was explained to Mr. Livingston, mine superintendent for the applicant, that drifting would extend to the eastern and western limits of the block, he readily agreed to change the shape of this block of ground. On the basis of this conversation, it is proposed to limit the block of ground to the claim outlines, except for the southern side which will remain as is, except that the block will extend on a due east line from the southeast corner in the Oro claim to the eastern edge of the Mayleaf claim, and on a due west line from the southwest corner in the Edham Pasha claim to the western-end line of the Edham Pasha claim. A small overlay map showing this proposed change in ground outline is enclosed. It is believed this proposed ground is adequate for contract purposes.

APPLICANT

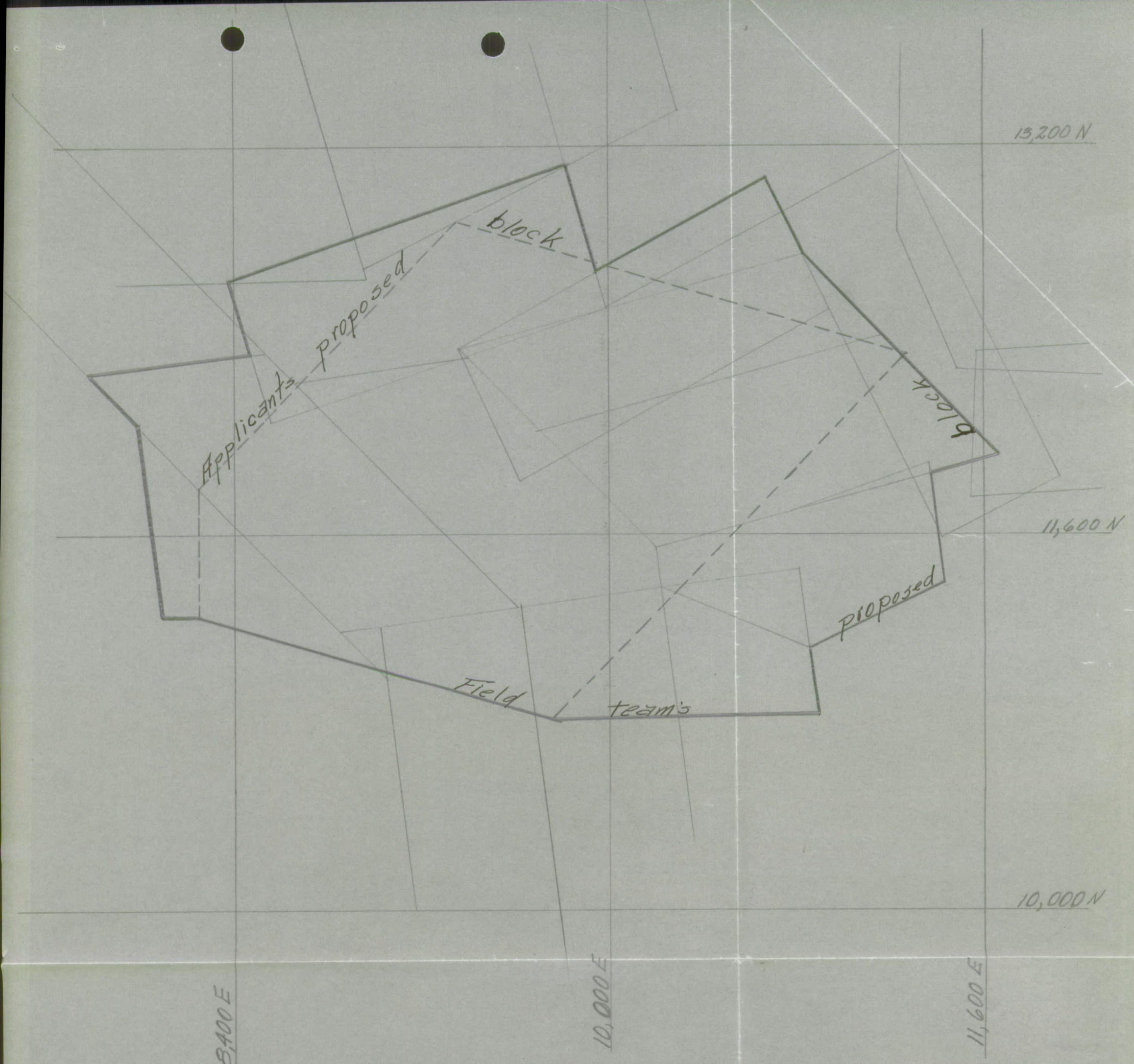
The Triumph mine has been an active producer of lead, zinc, and silver since 1927, for the past 15 years being operated by the Triumph Mining Company. Throughout most of that time it has been one of the larger producers in the State of Idaho. It is the largest lead-zinc producer outside of the Coeur d'Alene district, for several years being rated as the fifth largest producer in the state. Total production of the Triumph properties has not been determined but is believed to be in excess of $30,000,000.

The property is well managed by capable engineers and well stocked with equipment and supplies. It is believed the proposed program would be handled efficiently by the Triumph people and to the satisfaction of the Government.

COST ANALYSIS

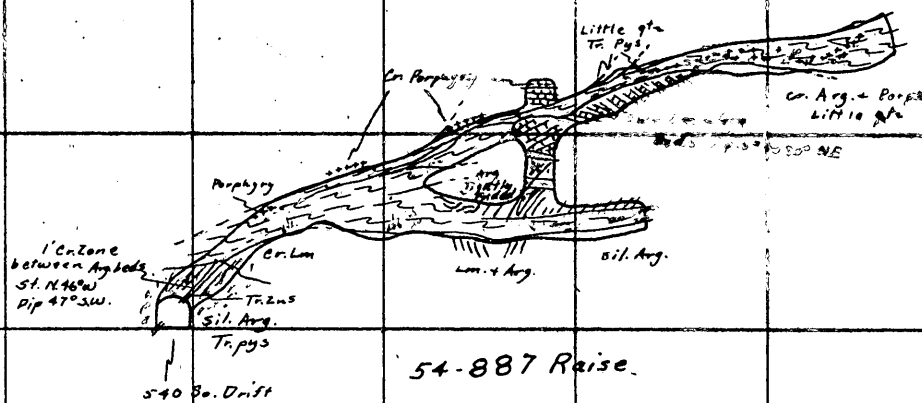
Mr. C. C. Livingston, mine superintendent for the applicant, brought a rough draft of the application to this office for analysis by DMEA personnel. Mr. Steve Zoldok, Bureau of Mines engineer, and the writer, went over these costs and suggested certain changes which were subsequently incorporated into the revised application. As the costs proposed in the application were acceptable to the examiners, it is recommended that they be incorporated into the proposed contract.

Enclosure
Distribution:
DMEA(4)
USBM(2)
USGS(SRO)
Killsgaard
Vhay
Docket

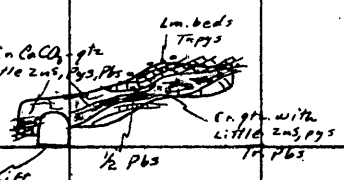


Overlay For Triumph Claim Map

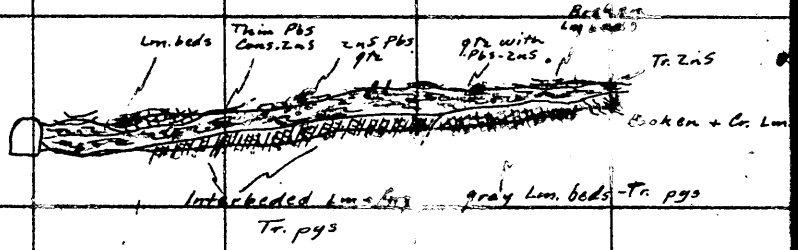
LOCATION 540 Level Raises **MINE** Triumph **LEVEL**
SURVEY **POSITION**
GEOLOGY BY **SCALE** 1" = 50' **DATE**



54-887 Raise

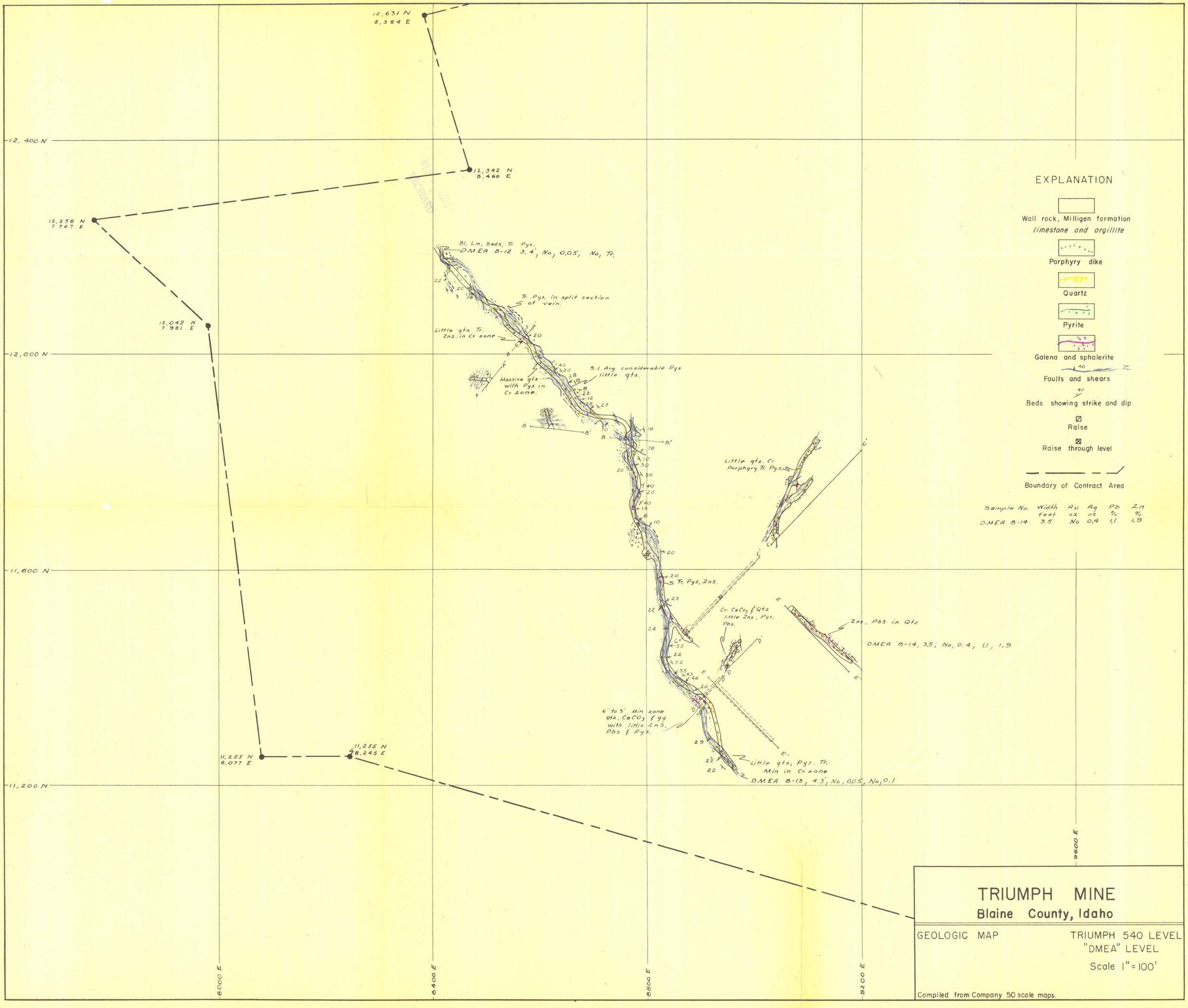


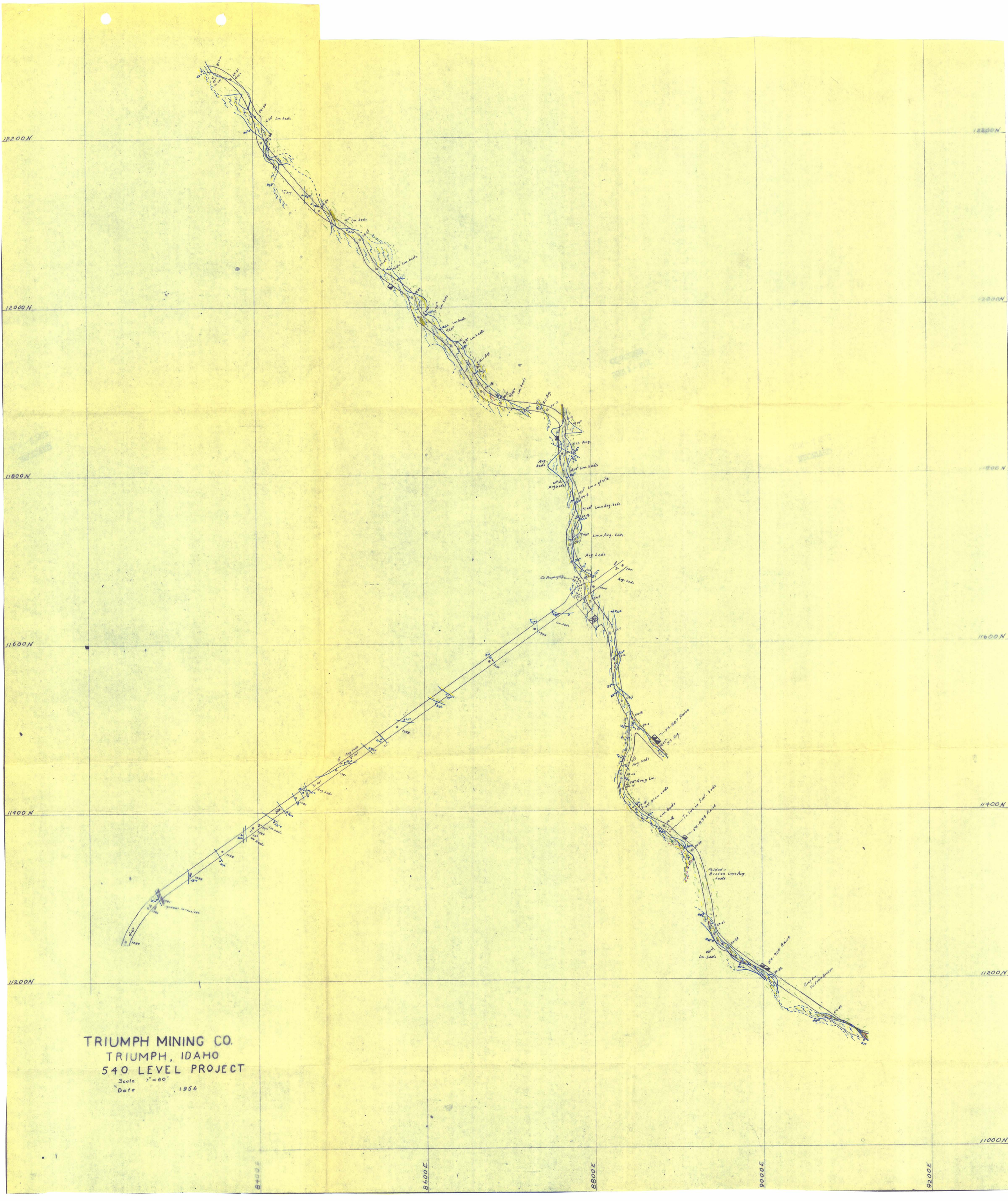
54-894 Raise



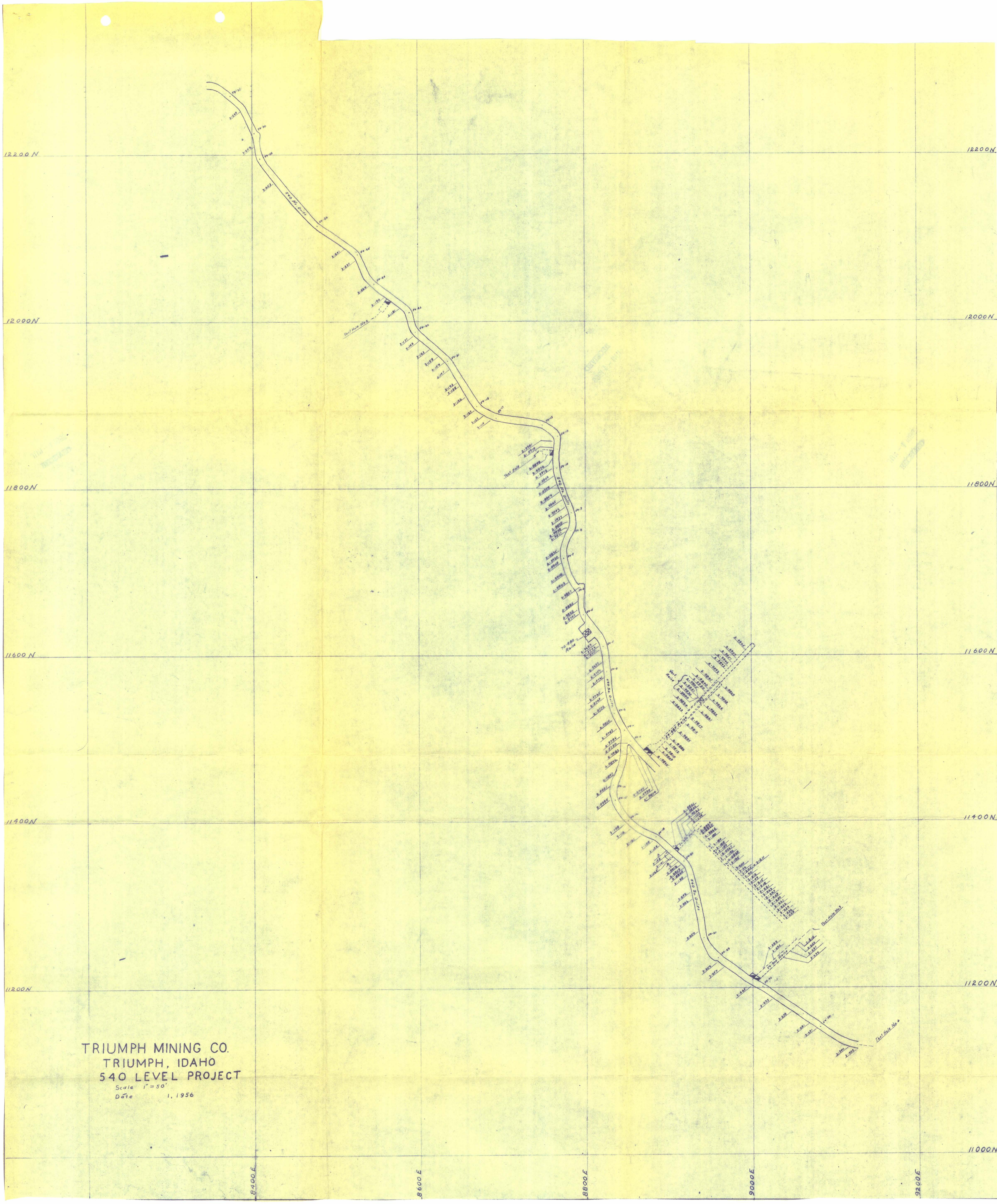
54-894 Int. South

54-900 Raise


12,631 N
8,384 E
12,342 N
8,460 E
12,256 N
7,767 E
12,042 N
7,981 E
11,255 N
8,077 E
11,255 N
8,245 E
12,400 N
12,000 N
11,800 N
11,200 N
8000 E
8400 E
8800 E
9200 E
9600 E
Bl, Lm, beds, Tr. Pys.
DMEA B-12 3.4', No, 0.05, No, Tr.
Tr. Pys. in split section of vein.
Little qtz. Tr. Zns. in Cr zone
Massive qtz with Pys in Cr zone.
S.I. Arg considerable Pys. little qtz.
Little qtz. Cr. Porphyry. Tr. Pys.
Tr. Pys, Zns.
Cr. CaCO3 & Qtz little Zns, Pys, Pbs.
Zns, Pbs in Qtz
DMEA B-14, 3.5', No, 0.4, 1.1, 1.9
6" to 3' Min zone qtz, CaCO3 & gg with little Zns, Pbs & Pys.
Little qtz, Pys. Tr. Min in Cr zone
DMEA B-13, 4.3', No, 0.05, No, 0.1
EXPLANATION
Wall rock, Milligen formation
limestone and argillite
Porphyry dike
Quartz
Pyrite
Galena and sphalerite
Faults and shears
Beds showing strike and dip
Raise
Raise through level
Boundary of Contract Area
Sample No. Width Au Ag Pb Zn
feet oz oz % %
DMEA B-14 3.5 No 0.4 1.1 1.9
TRIUMPH MINE
Blaine County, Idaho
GEOLOGIC MAP
TRIUMPH 540 LEVEL
"DMEA" LEVEL
Scale 1" = 100'
Compiled from Company 50 scale maps.



TRIUMPH MINING CO.
TRIUMPH, IDAHO
540 LEVEL PROJECT
Scale 1" = 50'
Date , 1956


12200N
12000N
11800N
11600N
11400N
11200N
11000N
8400E
8600E
8800E
9000E
9200E
540 No. Drift
Test Hole No.2
Test Hole No.3
Test Hole No.4
70-560 Raise
Vent Raise
24-287 Raise
24-300 Raise
TRIUMPH MINING CO.
TRIUMPH, IDAHO
540 LEVEL PROJECT
Scale 1" = 50'
Date 1, 1956