UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated ~~(or cancelled)~~ without certification. DMEA No. 2304

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

- ✓ Certificate of Audit (Final).
- ✓ Interim Audit(s).
- Report of Review.
- ✓ Closing Letter
- Termination Notice or Agreement.
- Recision Notice.
- Assignment of Contract.
- ✓ Contract Amendments (latest on top).
- ✓ Contract with all exhibits and annexes.
- Owner's Consent to Lien.
- ✓ Subordination Agreement.
- ✓ Leases and assignments of leases.
- ✓ Application and attachments.
- ✓ Schedule of Collections.
- ✓ Operator's monthly reports and all attachments (latest on top).

Right Side

- ✓ Project summary.
- ✓ Work completed analysis.
- ✓ All other material is filed in chronological order with correspondence including the following reports as checked:
  - ✓ Final Field Team Report. (Tab)
  - ✓ Operator's Final Report.
  - ✓ Interim Reports.
  - ✓ On-site Exam Report(s). (Tab)
  - ✓ Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

cw ✓✓
Reviewer's Initials

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the records and transactions of:

Stanley L. Larson and R. L. Plummer, d/b/a
L. and P. Mining Company
725 W. 39th Avenue
Denver, Colorado

pertaining to Exploration Contract Idm-E306, Docket No. 2304, including Amendments No. 1 through 4, covering a project of exploration for Tungsten, for the period April 21, 1952 to August 17, 1953.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit disclosed the following facts in regard to the amount to be paid the Contractor:

Total Cost per MF-104	$25,137.14
Less: Liquidation Settlement	600.00
Adjusted Cost	$24,537.14
Exceptions: (Per Audit Report) During Audit	234.69
Total Accepted Cost	$24,302.45

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Eighteen Thousand Two Hundred Twenty-Six and 84/100 Dollars

-$18,226.84-

is valid and proper.

This certificate is issued on the provision that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Dated: September 8, 1953

Donald T. Finch

Donald T. Finch, Auditor

FINAL AUDIT REPORT

I. INTRODUCTION

On September 3, 4 and 8, 1953, a final audit (covering the period April 21, 1952 to August 17, 1953) was made of the records and accounts of operations pertaining to Contract No. Idm-E306, Docket No. DMEA 2304, including Amendments No. 1 through No. 4 with:

Stanley L. Larson and R. L. Plummer, d/b/a
L. and P. Mining Company
725 W. 39th Avenue
Denver, Colorado

covering a project of exploration for Tungsten.

The accounting records under this contract are located at the above address. The project is located at the Vasco Nos. 2 and 5 mines near the village of Tungsten, Colorado on the Boulder-Nederland Highway in Boulder County, Colorado.

During the course of the audit, Mr. Clyde M. Lumsden, Bookkeeper, was consulted as necessary. His cooperation and assistance greatly facilitated the audit.

II. GENERAL INFORMATION ON RECORDS

The accounting records for the exploration project consist of paid invoices, cancelled checks, payrolls and monthly summary sheets which form the basis for preparation of the Monthly MF-104 reports. This audit, therefore, involved in general, a check of the source documents against the monthly summary sheets and reconciliation with the MF-104 reports. Costs are recorded on a combination cash and accrual basis.

III. SCOPE OF AUDIT AND FINDINGS

The audit was limited to ascertaining the accuracy, propriety and validity of the costs as shown in the "Totals to Date" column of Form MF-104, Operator's Monthly Report and Voucher, for the monthof May, 1953, as supplemented by the Operator on August 17, 1953. In view of a previous audit covering the period April 21, to December 31, 1952, except as otherwise indicated, this audit was restricted to the costs claimed by the Operator since that latter date. The extent of the audit and findings under each of the "Items of Cost" follow:

(1) Independent Contracts

Not applicable.

(2) Labor and Supervision

(a) Labor

All charges under this item were checked against the recordings on the Monthly Summary sheets. All payroll records consisting of daily time record for each employee were examined for rates, amounts and payee. All rates of pay were equal or less than authorized by the exploration contract, and the number and categories of employees conformed with those authorized. The accuracy of payroll extensions for the months of February and May, 1953 was confirmed. Total Labor charges of $17,809.66 are properly chargeable and allowable.

(b) Supervision

No charges for Supervision were segregated by the Operator. The only indicated supervision consisted of a working (Hoistman) foreman.

(3) Materials and Supplies

All charges against this category were checked against the monthly summary sheets and to the MF-104 reports.

All invoices for these charges for the period January 1 to August 17, 1953 were examined in detail. A few errors in accounting distribution were discovered, and have been corrected on the attached summary.

The total costs for the period April 21, 1952 to August 17, 1953, properly chargeable and allowable under this item consist of the following:

Timber			$ 336.23
Explosives			308.94
Pipe		$183.18	
Less: Liquidation Settlement		58.20	124.98
Track			73.07
Power			1063.32
Other			
Electric Cable	$277.50		
Less: Liquidation Settlement	88.20	189.30	
Drill Hose		50.24	
Drill Steel, Carbide, Small Tools and Miscellaneous Supplies		772.62	1012.16
Total Acceptable Cost of Materials and Supplies			$2,978.70

The Operator has not adjusted its records for the following exceptions reported in the previous audit report. As a result, disallowance of the items of Other Supplies is reiterated.

Roofing Materials - Not Authorized by contract	$ 5.49
Telegram	1.75
Item identified only as "X Factory"	5.31
Sales Tax on "Personal Item" of $16.00	.32
Total Disallowance Other Supplies	$12.87

(4) Operating Equipment

Purchase

There were no purchases of Equipment during the period January 1, to August 17, 1953. Purchases of equipment which were verified and listed in the previous audit report consisted of the following items:

1 Used Mine Car)		
2 Hoisting Buckets)	$ 61.20	
3 Electric Switches	225.00	
1 Imperial Compressor	459.00	
1 Hoisting Drum Controller	75.00	
1 50 HP G.E. Motor #780278)		
1 50 HP Compensator #1445606)	591.60	
1 Oil Pump	15.30	
Total Purchases Operating Equipment	$1427.10	
Less: Liquidation Settlement	453.60	
Accepted Cost of Operating Equipment (Net)		$973.50

(5) Initial Rehabiliation and Repairs

Not applicable.

(6) New Buildings, Improvements, etc.

The charge for this item consists of a power line extension cost amounting to $1223.00 paid to the Public Service Company of Colorado. Disbursement of this amount was confirmed in the previous audit.

The contract with the Public Service Company provides for refunds of the extension cost at the rate of 20% of each year's revenue for five years following the completion of the extension. Any balance remaining unrefunded at the end of the five year period is non-refundable. The refund applicable to the period May 20, 1952 to May 31, 1953 amounts to $212.66. The Operator overlooked reflecting this refund on the final MF-104, and the amount is, therefore, shown as a disallowance.

The Executive Officer has waived any contingent interest the Government might have in any future refunds because the Operator has ceased operations and the mine has been allowed to fill with water. The chances of any additional refunds are considered to be extremely remote. The acceptable cost of the power line extension is $1010.34.

(7) Miscellaneous

(a) Repairs to Equipment

There were no charges to Repairs to Equipment during the period January 1, to August 17, 1953. Charges totalling $246.30 were reported as acceptable in the previous audit report. The Operator has not adjusted its records for compressor repairs of $9.16 in excess of contract authorization reported in the previous audit. Disallowance of this amount is reiterated in this audit report.

(b) Payroll Taxes and Workmen's Compensation Insurance

These items were confirmed by applying the applicable rates to payrolls. Acceptable Payroll Taxes for F.I.C.A. amount to $267.16 which is 1-1/2% of total Payroll of $17,809.66.

Workmen's Compensation Insurance rates ranged from $1.97 to $2.95 per $100.00 of payrolls adjusted for overtime. The acceptable cost of Workmen's Compensation Insurance amounted to $350.12.

(c) Bookkeeping

Schedule A of the original contract authorizes an allowance for bookkeeper at $50.00 per month. These charges were supported by invoices which were examined.

The acceptable total charge of $666.67 is considered reasonable.

(8) Contingencies

Freight

An item of $1.24 applicable to transportation of Pipe had been erroneously distributed by the Operator. This distribution is corrected in this audit report.

IV. CONCLUSIONS

This audit has disclosed that all costs, as charged to this project, with the exception of the disallowances itemized under items (3) Materials & Supplies, Other, (6) New Buildings, Improvements, etc., (7)(a) Repairs to Equipment, are reasonable and proper.

The Executive Officer of the Field Team, Region IV, accepted the Operator's liquidation proposal in a letter dated August 10, 1953. This was a lump sum proposal which has been distributed in this report on a percentage basis to the items of Materials and Equipment which were involved.

The adjustments between Items of Costs, shown on the May 1953, MF-104 as supplemented August 17, 1953, the disallowances, adjustments resulting from Liquidation Settlement and approved amounts are summarized as follows:

	Totals to Date May, 1953 MF-104	Distribution Corrected	Disallowed by Audit	Liquidation Settlement	Accepted Totals
Independent Contracts					
None					
Labor and Supervision					
Labor	$17809.66	$17809.66			$17809.66
Operating Materials & Supplies					
Timber	336.23	336.23			336.23
Explosives	274.10	368.94			368.94
Pipe	181.94	183.18		$ 58.20	124.98
Track	73.07	73.07			73.07
Power	1063.32	1063.32			1063.32
Other	1249.13	1113.23	$ 12.87	88.20	1012.16
Operating Equipment					
Purchase	1427.10	1427.10		453.60	973.50
New Bldgs., Improve., etc.	1223.00	1223.00	212.66		1010.34
Miscellaneous					
Repairs to Equip.	214.40	255.46	9.16		246.30
Payroll Taxes	267.16	267.16			267.16
Workmen's Comp. Ins.	350.12	350.12			350.12
Bookkeeper	666.67	666.67			666.67
Freight	1.24	-			
Totals	$25137.14	$25137.14	$234.69	$600.00	$24302.45

At the conclusion of the audit, the findings were discussed with Mr. Stanley L. Larson and Mr. Clyde M. Lumsden, Bookkeeper. They were also reviewed with the Executive Officer of the D.M.E.A. Field Team, Region IV

September 8, 1953

Donald T. Finch

Donald T. Finch, Auditor

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

SEP 15 1953

Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Dear Mr. Finch:

Audit Certificate and Audit Report covering L. and P. Mining Company, Contract Idm-E306, Docket No. 2304, has been accepted and may be distributed in the usual manner.

Sincerely yours,

SIGNED

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Copy to: Docket
Admr. Reading File
Mr. Chambers

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

INTERIM AUDIT CERTIFICATE

I have examined the records and transactions of:

Stanley L. Larson and R. L. Plummer d/b/a
L and P Mining Company
725 W. 39th Avenue
Denver 16, Colorado

pertaining to Exploration Contract Idm-E306, Docket No. DMEA 2304, including amendments Nos. 1 through 3, covering a project for exploration of Tungsten for the period of April 21 to December 31, 1952.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit disclosed the following facts in regard to the amount to be paid the contractor:

Total cost per MF-104	$16748.41
Exceptions: Per Audit Report	22.03
Total Accepted Cost	$16726.38

The contract calls for a 75 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twelve Thousand Five Hundred forty four and 78/100 Dollars

-$12,544.78-

is valid and proper.

This certificate is issued on the provision that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Dated: March 2, 1953

Donald T. Finch

Donald T. Finch,
Auditor

Mr. M:
Note answers on [illegible]ting slip.
See letter in docket.

Mr. Martin remarks that the Auditor inquires on Mar. 2, and amendment went to Field Feb.13. But assumes there must be some reason for it's not having come to Auditor's attention by that time.

fw

noted
ok to files

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 3-9-53

REFERRED TO:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Schridge~~
4. ~~Mr. Martin~~ WSM

FOR:

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

noted
OCM

REMARKS:
Is an amendment filing more # in process?
Check (X) before the items needing attention.
Didn't we OK amendment for 79500 JLC

GPO 16—63815-1

J. L. Chambers
Initials of sender.

YES!

Sent to F.T. for inspection 2/19/53

I. INTRODUCTION

On February 9 and 10, 1953, an interim audit (covering the period April 21 to December 31, 1952) was made of the records and accounts of operations pertaining to Contract No. Idm-E306, Docket No. DMEA 2304, dated April 21, 1952 and amendments Nos. 1 through 3, with:

Stanley L. Larson and R. L. Plummer, d/b/a
L and P Mining Company
725 W. 39th Avenue
Denver 16, Colorado

covering a project of exploration for tungsten.

The accounting records under this contract are located at the above address. The project is located at the Vasco Nos. 2 and 5 mines near the village of Tungsten, Colorado on the Boulder-Nederland Highway in Boulder County, Colorado.

During the course of the audit, Mr. Stanley L. Larson, Partner and Mr. Clyde M. Lumsden, Bookkeeper, were consulted as necessary.

Their cooperation and assistance greatly facilitated the audit.

II. GENERAL INFORMATION ON RECORDS

The accounting records for the exploration project consist of paid invoices, cancelled checks, payrolls and Monthly Summary Work sheets which form the basis for preparation of the Monthly MF-104 reports. This audit, therefore, involved, in general a check of the source documents against the monthly "work sheets," and reconciliation with the MF-104 reports. All costs except for some payroll taxes, and workmen's compensation insurance, were recorded on a cash basis.

III. SCOPE OF AUDIT AND FINDINGS

The audit was limited to ascertaining the accuracy, propriety and validity of the costs as shown in the "Totals to Date" column of Form MF-104, Operator's Monthly Report and Voucher, for the month of December, 1952. The extent of the audit and findings under each of the "Items of Cost" follow:

(1) Independent Contracts:

Not applicable

(2) Labor and Supervision:

Labor

All charges under this item were checked against the recordings on the monthly work sheets. All payroll records consisting of daily time record for each employee were examined for rates, amounts and payees. All rates of pay were equal or less than authorized by the contract, and the number and categories of employees conformed to those authorized. The accuracy of payroll extensions for the months of December and July 1952 was confirmed. Total labor charges of $11,144.26 are properly chargeable and allowable.

Supervision

No charges for supervision were segregated by the contractor. The only indicated supervision consisted of a working (hoistman) foreman.

(3) Materials and Supplies:

All charges against this category were checked against the monthly work sheets and to the monthly MF-104 reports.

All invoices for these charges for the period April 21, to December 31, 1952 were examined in detail. A few errors in distribution were discovered and have been corrected on attached summary.

The total costs properly chargeable and allowable under this item were found to consist of the following:

Timber	$255.02
Explosives	131.47
Pipe	102.46
Track	63.64
Power	465.51
Other	851.80
Total Materials and Supplies	$1869.90

An analysis of "Other Materials and Supplies disclosed the following components of cost:

Electric cable, 3 conductor (authorized &) (classified as) (Supplies in) (Exhibit A of) (the original) (contract)	$277.50
Drill Hose	50.24
Miscellaneous, small tools, carbide, drill steel, and sundry mine supplies	524.06
Total	$851.80

The following adjustments in distribution to Other Supplies were made during the audit:

(a) Fuse charged by operator to Other Supplies, charged to Explosives	$ 40.55
(b) Repairs to Compressor charged by operator to Other Supplies, charged to Repairs to Equipment	41.06

Exception was taken to the following charges to Other Supplies and disallowance is recommended:

Roofing materials-not authorized by contract	$ 5.49
Telegram	1.75
Item identified only as "X Factory"	5.31
Sales tax on "Personal Item" of $16.00	.32
	$12.87

(4) Operating Equipment

Purchases:

All invoices covering the purchase of equipment for the period April 21, to December 31, 1952 were examined. Items purchased are as follows:

Used mine car and 2 hoisting buckets		$61.20
3 Electric Switches at $75.00		225.00
Imperial Compressor		459.00
1 Hoisting Drum Controller		75.00
1-50 HP GE Motor #780278 and 1-50 HP Compensator #1445606-$635.00		
Less: amount not claimed (not authorized)	43.40	591.60
Oil Pump		15.30
Total Operating equipment-Purchased		$1427.10

(5) Initial Rehabilitation and Repairs

None authorized ?

(6) New Buildings, Improvements, etc.

The charge for this item consists of a power line extension cost amounting to $1223.00 paid to the Public Service Company of Colorado. Disbursement of this amount was confirmed by examination of the Extension Contract, and a copy of invoice No. 44177 from the Public Service Company of Colorado.

The contract with the Public Service Company provides for refunds of the extension cost at the rate of 20% of each year's revenue for five

years following completion of the extension. Any balance remaining unrefunded at the end of the five year period is non-refundable.

At the time of this audit, no refunds had been received.

Schedule A of the Exploration Contract authorizes the extension.

(7) Miscellaneous

Repairs to Equipment

All invoices for repairs to equipment for the period April 21, to December 31, 1952 were examined. As previously stated the distribution of Repairs to Compressor in the amount of $41.06 originally charged by the operator to Other Supplies was corrected during the audit.

This category consisted of the following:

Repairs to Pump		$ 50.90
Repairs to Hoist		86.00
Repairs to Compressor	$118.56	
Less: Excess over Maximum allowed by amendment No. 2 (disallowed by audit)	9.16	109.40
Total allowable Repairs to Equipment		$246.30

Amendment No. 2 to the contract, dated July 31, 1952 limited the Government's participation in Repairs to Compressor to $109.40. The excess, therefore, is subject to disallowance.

Payroll Taxes and Workmen's Compensation Insurance

These items were confirmed by applying the applicable rates to total payrolls. Payroll taxes claimed were for F. I. C. A., and amounted to 1-1/2 of $11,144.26.

Total Payroll for period April 21 to December 31, 1952:

$167.17

The rates for Workmen's compensation ranged from $1.97 to

$2.95 per one hundred dollars of payroll adjusted for 1/3 of overtime. Each month's charges for workmen's compensation were confirmed as follows:

Adjusted Payroll May through July, 1952 of $4034.80 at 2.95	$119.04
Adjusted Payroll August through December, 1952 of $5,732.50 at $1.97	112.94
	$231.98

Bookkeeping

Schedule A of the original contract authorizes an allowance for bookkeeper at $50.00 per month. Total charges of $416.67 for this item were supported by receipted invoices.

(8) Contingencies

Freight

An item of $1.24 applicable to transportation of Pipe had been erroneously distributed by the operator. This distribution was corrected during the audit.

IV. CONCLUSIONS AND RECOMMENDATIONS

This audit has disclosed that all costs, as charged to this project, with the exception of the disallowances itemized under items (3) Other Supplies and (7) Repairs to Equipment, of this report are reasonable and proper.

Disallowances by the Finance Officer amounting to $749.00 for Compressor Rental and $20.07 for F.I.C.A., have been adjusted by the operator. The disallowance of $20.07 for F.I.C.A. was subsequently allowed by the Finance Officer upon reclaim by the operator.

The adjustments between items of costs, as shown on the December, 1952 MF-104, the recommended disallowances and approved amounts, are summarized as follows:

	Totals to Date-December,1952 MF-104	Distribution Corrected	Disallowed by Audit	Allowed by Audit
Independent Contracts:				
none				
Labor and Supervision:				
Labor	$11144.26	$11144.26		$11144.26
Supervision	-	-		
Operating Materials & Supplies:				
Timber	255.02	255.02		255.02
Explosives	90.92	131.47		131.47
Pipe	101.22	102.46		102.46
Track	63.64	63.64		63.64
Power	465.51	465.51		465.51
Other	946.28	864.67	$ 12.87	851.80
Operating Equipment:				
Purchase	1427.10	1427.10		1427.10
Initial Rehab.& Repairs:	-			
New Bldgs, Improve.etc.	1223.00	1223.00		1223.00
Miscellaneous:				
Repairs to Equip.	214.40	255.46	9.16	246.30
Payroll Taxes	167.17	167.17		167.17
Workmen's Compensation	231.98	231.98		231.98
Bookkeeper	416.67	416.67		416.67
Contingencies:				
Freight	1.24	-		
TOTALS	$16748.41	$16748.41	$ 22.03	$16726.38

At the conclusion of the audit, the findings were discussed with Mr. Stanley L. Larson, Partner.

The totals to date on the MF-104 as filed, agree with the total costs shown on the companion MF-104A.

It is suggested that the amount shown on the MF-104A for Underground Rehabilitation be reduced by $22.03 which is the amount of disallowances disclosed by the audit. The adjusted amount for Underground Rehabilitation would then be $12,051.18.

It is noted that 92.9% of the total authorized cost has been expended while 78% of the contemplated drifting and 80% of the contemplated Raising remains to be completed.

Based on average costs per foot reported on the MF-104A and assuming these average costs are representative, the following situation would prevail.

Total authorized cost		$18,000.00
Total Costs to date		16,726.38
Available balance of authorized costs		$ 1,273.62
<u>Contemplated Work to be Completed</u>		
78 Ft. Drifting at $13.86	$1081.08	
200 Ft. Raising at $34.40	6880.00	
Total projected cost to complete		7,961.08
Excess over available balance		$ 6,687.46

Dated: March 2, 1953

Donald T. Finch

Donald T. Finch
Auditor

FILE COPY
SURNAME:

400

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

Hopkins
Mignin
Chandler

DEC 11 1953

Mr. R. L. Plummer
L and P Mining Company
725 West 39th Avenue
Denver 16, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L and P Mining Company
Vasco No. 2 and No. 5 Mines
Boulder County, Colorado
Contract Idm-E306

Dear Mr. Plummer:

This is with reference to the subject exploration contract between L and P Mining Company and the Government.

The final audit of the contract expenditures and the final reports of the Operator and of the Field Team have been received and accepted by this Administration. Of the total amount of $25,000.00 approved under the contract the sum of $24,302.45 was expended, 75 percent of which or $18,226.84 represented the Government's share. Unused materials, supplies or equipment have been disposed of for the joint account of the Operator and the Government. The exploration work was completed in a satisfactory manner.

Because the results of the exploration work were unfavorable it is not our intention to make a Certification of Discovery or Development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to the project. Your attention is called, however, to Article 11 of the contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JHopkins:foc
12-10-53
cc: Docket
Code 400
FT. Reg. IV
Oper. Comm.
Admr. Reading File
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.G.
12-11-53

Mr. W. E. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

FEB 1 3 1953

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado
Contract No. [illegible]

Dear Mr. King:

We are enclosing the original and five copies of Amendment No. 4 to the above-referenced contract. After execution, please make the usual distribution of the copies.

The amendment is approved with one minor modification. At the bottom of page 3 under the heading "Operating Materials and Supplies," the qualification after the word "excluded" is meaningless and should be stricken. This change should be noted in the letter to the Operator transmitting his copy.

The additional funds requested have been allocated.

Sincerely yours,

[illegible]

Chairman, Operating Committee

Enclosures

Approved:

J. H. R[illegible]

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

FAHatledge/ls 2/11/53

cc: DOCKET
FIELD TEAM, REG. IV
CODE 400
OPER. COMMITTEE
ADMN. READ. FILE
CODE 800 - Mr. Chambers
CODE 140 - Mr. Kane
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

GOVERNMENT'S COPY

No. 4

AMENDMENT OF CONTRACT: No. Idm-E306

Contract Docket No. DMEA 2304, dated April 21, 1952, between the United States of America and Stanley L. Larson and R. L. Plummer, doing business as L. and P. Mining Co., is hereby amended as follows:

Referring to Amendment No. 1, dated June 25, 1952; Amendment No. 2, dated July 31, 1952; Amendment No. 3, dated August 27, 1952, all of which said Amendments amended "EXHIBIT 'A'" attached to Exploration Project Contract Form MF-200, void said Amendments Nos. 1, 2 and 3, effective as of their respective effective dates.

The matter following hereafter is made effective as of the date of said Contract No. Idm-E306.

Referring to "EXHIBIT 'A'" attached to Exploration Project Contract Form MF-200, void said "EXHIBIT 'A'" in its entirety, except for the maps attached to first said EXHIBIT "A" or pertaining thereto, and in lieu thereof substitute the following:

EXHIBIT "A"

The Exploration Project

The exploration project consists of extending the Public Service electrical power line to the portal of the Lower No. 5 tunnel; preparatory work of installing power cable from the portal of Lower No. 5 tunnel to the underground collar of No. 5 shaft; repairing the underground headframe of No. 5 shaft; unwatering and rehabilitating the 250-foot No. 5 shaft; and rehabilitating the fifth level, approximately 650 feet; extend an existing raise from the fifth level approximately 75 feet to make connection with the bottom of the Williams winze; drive a raise on the intersection of the No. 2 and No. 5 veins from the fifth level a distance of approximately 175 feet; drive approximately 100 feet of sublevel drifts at the most favorable horizon in the raises. The locations of the proposed raises are shown on the maps attached to the original "EXHIBIT 'A'" which are now made a part of this "EXHIBIT 'A'". The locations of the sublevel drifting will be determined

after a part or all of the raising has been completed, and the locations must be acceptable to the DMEA representative. Drifting around badly caved portions of the fifth level, in lieu of rehabilitating that portion of the old drift is an allowable cost of the rehabilitation, to the extent of drifting approved by the DMEA representative prior to performance of the work.

Estimated Cost of the Project

Extend Public Service power line	$1,223.00
Underground preparatory work	12,309.90
Raising, 250 feet approx., @ $30.00 per foot	7,500.00
Sublevel drifting, 100 feet approx., @ $25.00 per foot	2,500.00
Purchase of equipment	1,467.10
Total Estimated Cost	$25,000.00

Details of the Estimated Cost

Fixtures and Improvements

Extend Public Service power line, to include cost of materials and labor to complete the job	$1,223.00

Operating Equipment

(a) To be rented

1 - Stoper @ $60.00 per month
1 - Tugger hoist, air powered, @ $30.00 per month

Total Estimated Cost	$270.00

The costs of the rental of the above equipment are absorbed in the estimated cost of raising and sublevel drifting.

(b) To be purchased

2 - Hoisting buckets and 1 used mine car	$61.20
1 - Water pressure tank	40.00
3 - Electric safety switches @ $75.00 ea.	225.00
1 - Hoist motor controller switch	75.00
1 - Compressor, I.R. type 10, complete with 50 h.p. electric motor and starting compensator	1,050.60 1/

(b) To be purchased (cont'd)

1 - Pump, Centrifugal	15.30
Estimated Cost of Equipment Purchases	$1,467.10

(c) To be furnished by the operator

The following equipment will be furnished by the operator at no expense to the project, except for operating costs and necessary minor repairs:

1 - single drum shaft hoist, electric operation
1 - 1½" water pump

Labor and Supervision

1 - Foreman-Hoistman @ $2.00 per hour
3 - Miner-Timbermen @ $1.50 per hour
3 - Mucker-Trammers @ $1.50 per hour
1 - Bookkeeper @ $50.00 per month

The above hourly wage rates are based on a 40-hour workweek. Time and one-half is allowable for overtime

Total Estimated Cost of Labor, Supervision and Accounting, including compensation insurance and payroll taxes	$15,000.00

Operating Materials and Supplies

Including timber, explosives, pipe, track, power, and all other supplies, hand tools, repair parts and so forth, which are necessary for completion of the project work, which are not otherwise noted or excluded ~~by regulations governing the extent of Government participation in the costs thereof~~

Total Estimated Cost	$7,039.90

1/ Reimbursement for the Government's pro rata share of the cost of repairs to the compressor and motor will be subject to the approval of the DMEA representative, but under no circumstances would the Government participate in repair costs charged to the project in excess of $109.40.

Rehabilitation and Repair

None, except as noted as "Underground Preparatory Work"

Summary of Cost Details

Fixtures and Improvements	$1,223.00
Operating Equipment - To be rented	270.00
Operating Equipment - To be purchased	1,467.10
Labor and Supervision	15,000.00
Operating Material, Supplies & Repair Parts	7,039.90
Total	$25,000.00

Referring to article "3. Exploration Project" of Exploration Project Contract Form MF-200, delete "nine (9) months" and in lieu thereof substitute "sixteen (16) months".

Referring to article "13. Payments to the Operator" of Exploration Project Contract Form MF-200, delete the figures "13,500.00" and in lieu thereof substitute the figures "18,750.00"; delete the figures "18,000.00" and in lieu thereof substitute the figures "25,000.00".

Dated February 17 1953.

L. and P. MINING COMPANY

By [signature]
Stanley L. Larson, Partner

By [signature]
R. L. Plummer, Partner

UNITED STATES OF AMERICA

By C. H. King
Executive Officer, DMEA
Field Team, Region IV

Government Copy
Tungsten

No. 3

AMENDMENT OF CONTRACT: No. Idm-E306

Contract Docket No. DMEA 2304, dated April 21, 1952, between the United States of America and Stanley L. Larson and R. L. Plummer doing business as L. and P. Mining Company is hereby amended as follows, effective as of the date of said contract:

> Referring to Exhibit A attached to Exploration Project Contract Form MF - 200 under title Operating Equipment, add the following subtitle: "To be furnished by Operator." Under this subtitle add the following:
>
> 1 Single drum hoist
> 1 1-1/2" Water Pump
>
> The above equipment is to be furnished by the Operator at no expense to the project other than maintenance and operating expense.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may pay or the percentage of the costs which the Government may pay under the provisions of Article 13 of the contract form.

Dated August 27, 1952

L. & P. MINING COMPANY

By Stanley L. Larson Partner

R. L. Plummer Partner

UNITED STATES OF AMERICA

By W. S. King
Executive Officer - DMA

July 31, 1958.

Bureau of Mines,
[illegible] New Customhouse,
Denver, 2, Colo.

Re: Contract I[illegible]
Docket DMRA 8304

Att: Mr. King.

Gentlemen:

We hereby make application under the above contract and docket for an amendment to be effective as of the date of the contract the following:

The equipment listed below to be furnished by the Operator at no expense to the project other than maintenance and operating expense.

1 Single Drum Hoist
Name plate and serial number not on hoist.
1 Rotor Pump
Serial 054[illegible]
Model A[illegible] MRV [illegible]
Ingersoll Rand
Size 1½

This equipment has been loaned to us by the Hetner Mines of Boulder without charge.

Very truly yours,

L. & P. MINING CO.

BY Stanley Larson
Partner

SL/L

Government Copy
Tungsten

No. 2

AMENDMENT OF CONTRACT: No. Idm-E306

Contract Docket No. DMEA 2304, dated April 21, 1952, between the United States of America and Stanley L. Larson and R. L. Plummer, doing business as L. & P. Mining Company, is hereby amended as follows, effective as of the date of said contract:

Referring to Exhibit A attached to Exploration Project Contract Form MF-200, title "Operating Equipment", subtitle "To be rented", delete the following:

1 - 210 c.f.m. compressor, 4 months at $290.00	$1,160.00

Referring to the same title, subtitle "To be purchased", add the following:

1 - Hoist motor controller switch	$ 75.00
1 - Ingersoll-Rand Imperial Type 10 14x7½x12 air compressor	459.00
1 - Electric motor for driving the above compressor	591.60

The cost of electrical power will be paid out of funds allocated to supplies.

Reimbursement for the Government's pro rata share of the cost of any repairs to the above compressor and motor will be subject to the approval of the DMEA representative, but under no circumstances would the Government participate in repairs in excess of a cost of $109.40 to the project.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may pay or the percentage of the costs which the Government may pay under the provisions of Article 13 of the contract form.

Dated July 31, 1952.

JWS

L. & P. MINING COMPANY

By Stanley L. Larson
Stanley L. Larson

By R. L. Plummer
R. L. Plummer

UNITED STATES OF AMERICA

By W. R. King
Executive Officer - DMEA

GL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 22, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Amendment to contract

Please find enclosed the original and five copies of R. L. Bolmer's memorandum covering an amendment to the subject contract.

Allowance for purchase of a controller swithh at a cost of $75.00 is approved. The request for purchase of an electric motor for a drive for this compressor is not approved in view of the contractors' agreement to furnish that part of the equipment.

I agree with the engineer's recommendations.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh

cc 5
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 22, 1952

Memorandum

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

From: R. L. Belmer

Subject: DMEA 2304, Contract I&m-R306 (Tungsten), L. and F. Mining Company, Boulder County, Colorado - Amendment to contract

Stanley Larson, a partner in the L. and F. Mining Company, has submitted a request for an amendment of the subject contract to permit (1) the purchase of a compressor and motor in lieu of compressor rental as provided in the contract and (2) the purchase of an electrical controller for the mine hoist drive at a cost of $75.00.

The subject contract provides for 4 months' rental of a compressor at $290.00 per month for a total expenditure of $1,160.00. In their original application for aid, the contractors stated that they possessed a small compressor which would be available for use during the exploration project. As the capacity of this compressor was small, it was thought necessary to supplement it with a rented compressor after rehabilitation work was completed and actual mining commenced. The contract, therefore, was drawn up to include 4 months' rental of a compressor but it did not specify when during the project this rental was to start.

Apparently the contractors disposed of the compressor which they had stated would be available for use on the project. They rented a portable compressor from April 21 to May 19, 1952, for $290.00. This

equipment had been removed from the project when the first monthly inspection was made; however, its rental was substantiated by the vendor's invoice. The actual need for a compressor during the initial rehabilitation is not certain. Possibly there was some necessity for drilling plug holes in the tunnel during installation of the power cable. This rental was claimed on the May MF-104 form and was approved for payment as the contract was not specific as to when the rental was to start.

About May 19, the contractors rented an Ingersoll-Rand Imperial, Type 10 compressor. The monthly rental was $150.00. This was a rental-purchase agreement; 100 percent of the rental was to apply on its purchase price of $450.00. The contractors paid 3 months' rent in advance and made claim on the May MF-104's for $450.00 plus $9.00 sales tax.

This deal was discussed with R. C. Plummer, the other partner, during the first inspection. The compressor apparently was in good condition. Plummer stated that an electric motor drive would be provided for the compressor <u>at no cost to the project</u>. Because this arrangement would provide a suitable compressor during the life of the project and because the combined cost spent on compressors would not exceed the amount specified in the contract and would give the Government an equity in the equipment, the claim for 3 months' rental in advance was approved. Repairs to the compressor were not anticipated by Plummer. It was mutually understood that, should repairs be necessary, their costs would be considered for approval but under no circumstances would the Government participate in repairs which increased the total cost of compressors for the project beyond the amount allotted in the contract for compressor rental.

Larson was contacted by telephone but he did not satisfactorily explain the discrepancy between his and Plummer's statements. He did agree to let the matter of the purchase of a compressor motor drop. His request for an amendment on this matter, therefore, is not recommended.

An amendment of the subject contract to provide for the purchase of a controller switch at a cost of $75.00 is recommended. The contractors are providing a hoist with drive motor at no expense to the project. The old controller is worn and unserviceable. The purchase is considered necessary for the operation of the project.

Your attention is called to the subject contract. No provisions have been made to cover the cost of electrical power at this project. An estimate of power consumption was made in the engineering report and its cost was included in the total cost estimate. Since the report was written, some changes in equipment have been made. In addition, to the pump and hoist, the new compressor will be driven electrically. The $250.00 allotted for gasoline and oil under Supplies was included on the supposition that a gasoline-powered compressor would be rented. The amount now can be allotted to electrical power and should cover the additional consumption of the compressor motor.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc 5
E306
DMEA Chron.

L. & P. Mining Co.

COPY

June 28th., 1952

Bureau of Mines
224 New Customhouse
Denver 2, Colorado

Re: Contract Idm-E306
Docket DMEA 2304

Att: Mr. King

Gentlemen:

Please be advised that we wish to amend our contract and change the rental of compressor for the last three months in the amount of $870.00 plus sales tax to the purchase of a compressor which will automatically allow you a 75% equity.

The compressor will cost $450.00 and the electric motor to drive it will cost $580.00 for a total of $1,030.00 plus sales tax of $20.60/

The compressor appeared on the May form MF-104 and the motor will appear on the June MF-104.

Very truly yours,

L. & P. MINING CO.

by /s/ Stanley Larson

SL/L

L. & P. MINING CO.

COPY

June 28th., 1952

Re: Contract Idm-E306
Docket DMEA 2304

Bureau of Mines
224 New Customhouse
Denver, 2, Colo.

Att: Mr. King

Gentlemen:

We hereby make application under the above contract and docket to purchase the following:

1 Hoisting Driving Controller $75.00

This controller is necessary in the installing of the power cable.

Your prompt attention in this matter will be appreciated.

Very truly yours,

L. & P. MINING CO.

By /s/ Stanley Larson

SL/L

Government Copy
Pungaten

No. 1

AMENDMENT OF CONTRACT: No. Idm-E306

Contract Docket No. DMEA 2304, dated April 21, 1952, between the United States of America and L. and P. Mining Co., is hereby amended as follows, effective May 1, 1952:

> Referring to "EXHIBIT A" attached to Exploration Project Contract Form MF-200, titled "Operating Equipment", subheading "To be purchased" add the following:
>
> 3 - Electric Safety Switches, estimated cost $75.00 each. Funds for their purchase will be transferred from the amount allocated to "Supplies".

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may pay or the percentage of the costs which the Government may pay under the provisions of Article 13 of the contract form.

Dated June 25, 1952.

L. AND P. MINING COMPANY

By Stanley L. Larson

By R. L. Plummer

UNITED STATES OF AMERICA

By W. R. King
Executive Officer -DMEA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

MF-200
(June 1951)

DMEA-2304
Docket No. XXXX
Commodity Tungsten

Idm-E306

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 21st day of April, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Stanley L. Larson and R. L. Plummer doing business as L. and P. Mining Co. 725 W. 39th Ave. Denver 16, Colorado hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Colorado, County of Boulder described as follows: [3]

See Annex No. 1

with respect to which the Operator represents and undertakes: [4]

~~(a) That he is the owner in possession and entitled to possession, and the subordination agreement of the lessor is attached.~~

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within sixty (60) days from the date of this contract shall commence work on a project of exploration for [5] tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] nine (9) months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 13,500.00, which is 75 percent of the agreed estimated total cost of this project, $ 18,000.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

L & P Mining Co
(Operator)

By Stanley L. Larson Partner

THE UNITED STATES OF AMERICA

By J. H. Earnst Jr
Regional Director, Region IV
U. S. Bureau of Mines

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

ANNEX NO. I

That part of the Southwest Quarter of Section Eight, Township One South, Range 72 West of the 6th P. M. known as the Vasco No. 2 Vein, the Vasco No. 5 Vein, and the Vasco No. 8 Vein, provided that the Vasco No. 5 Tunnel shall be used jointly by the Lessees herein and other Lessees of the Lessor herein.

It is specifically reserved from this lease all that part of said Southwest Quarter of said Section Eight lying North of a line drawn from the intersection of the Vasco No. 5 Tunnel with the Vasco No. 5 Vein and running thence West to the West line of said Section Eight.

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Boulder, State of Colorado, described in a certain Exploration Project Contract dated April 21, 1952, between Stanley L. Larson and R. L. Plummer, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated December 12, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

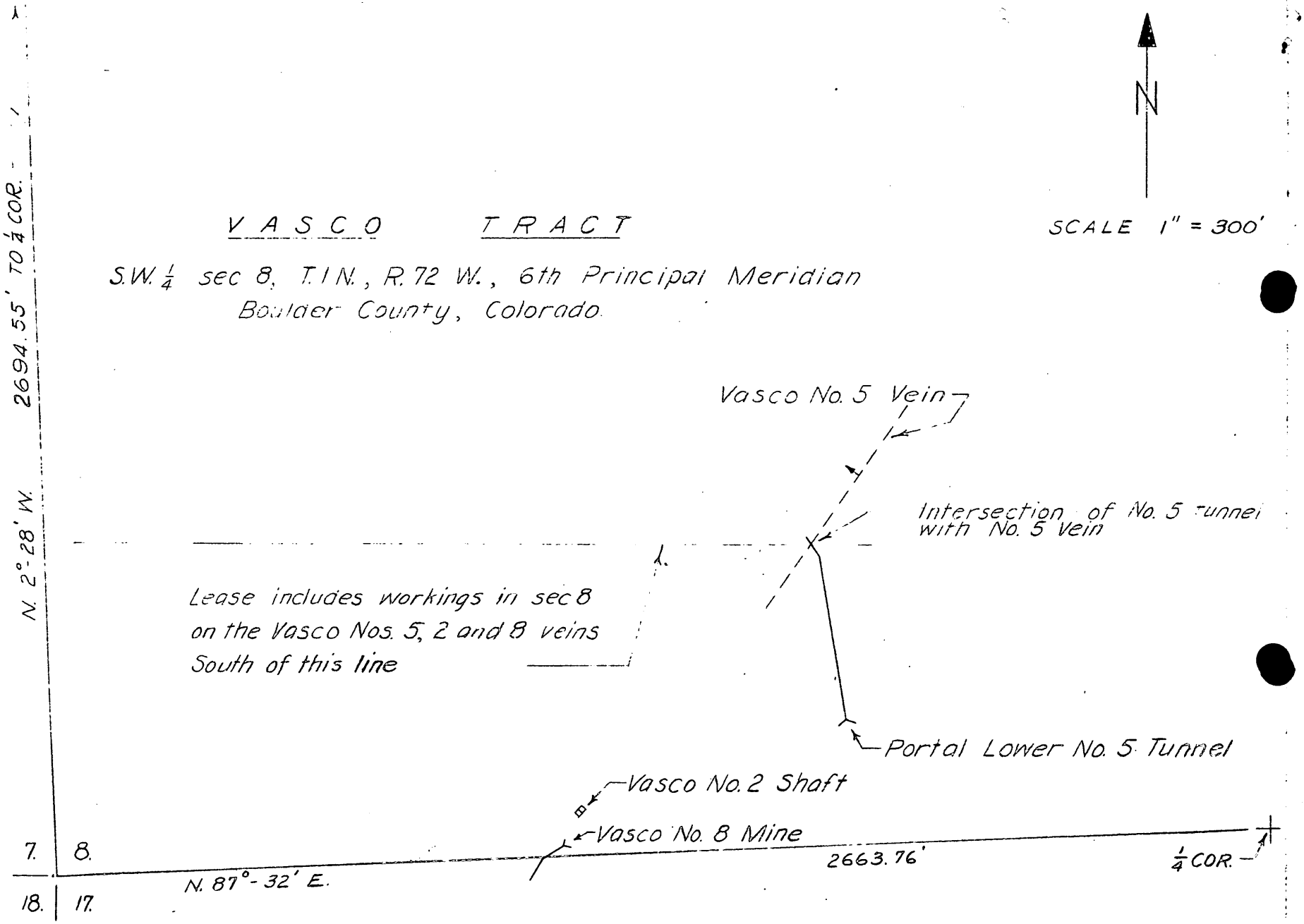
The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 21st day of April, 1952.

Ketzer Mining Inc.
Eleanor Ketzer Pres.

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1



Sketch of property leased Larson & Plummer by Hetzer Mines, Inc. – D.M.E.A. 2304, Vasco No. 2 & 5 Mines

Department of Interior
U. S. GEOLOGICAL SURVEY

Workings of the VASCO Nos. 2 and 5 MINES Boulder County, Colorado

Showing proposed workings

DMA Docket 2304

0 100 200FT.

Ogden Tweto 1945-1952

Fig. 2

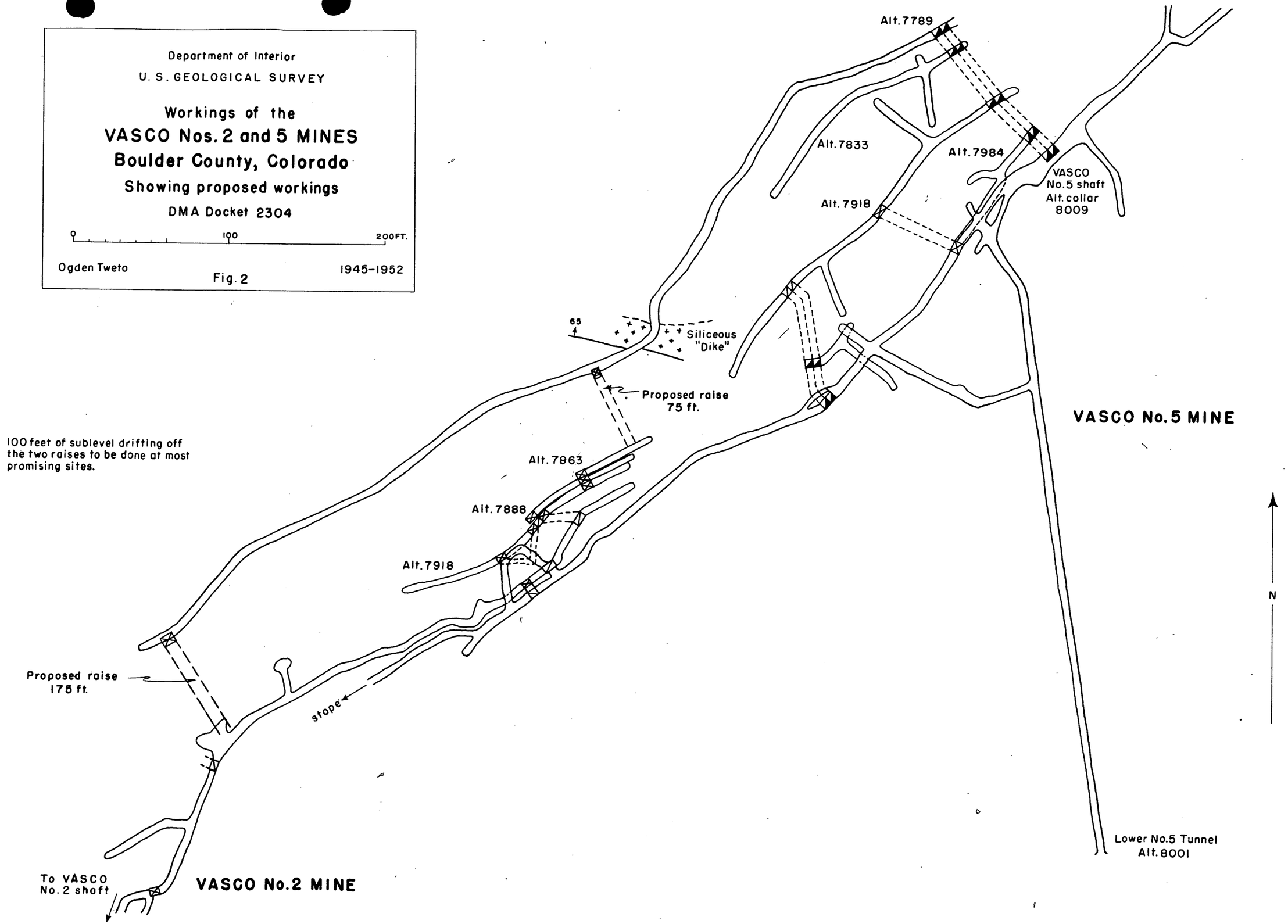


EXHIBIT A

Exploration Project

The project consists of installing power cable from the portal of the Lower No. 5 tunnel to the collar of the No. 5 shaft; repairing the headframe; unwatering and rehabilitating the shaft; rehabilitating the fifth level; running a raise from the fifth level up to the bottom of the Williams winze, a distance of approximately 75 feet; running a raise on the intersection of the No. 2 and No. 5 veins from the fifth level a distance of approximately 175 feet; driving approximately 100 feet of sublevel drifts from the raises at the most favorable sites. The locations of the proposed raises are shown on the attached map. The locations of the sublevel drifting will be determined after part or all of the raises are driven, and must be acceptable to the DMEA representative.

The location of the proposed work with reference to the property lines are shown on the attached sketch of the Vasco Tract.

The estimated working time is seven months.

The following costs are estimated:

Fixtures and Improvements	$1,700.00
Rental of Equipment	1,460.00
Purchase of Equipment	740.00
Labor, supervision, compensation	9,365.00
Supplies	4,735.00
Total cost of project	$18,000.00

Fixtures and Improvements

Extend Public Service electrical power line to tunnel portal	$1,700.00

Operating Equipment

To be rented:

1	210 c.f.m. compressor, 4 months at $290.00	$1,160.00
1	Stoper, 3 months at $60.00	180.00
1	Air hoist, 4 months at $30.00	120.00
	Estimated total rental	$1,460.00

Operating Equipment (Cont'd.)

To be purchased:

2	Hoisting buckets (used) @ $50.00	$100.00
1	Mine car (used)	100.00
1	Water pressure tank (used)	40.00
1	2½-inch centrifugal pump with electric motor (used)	500.00
	Estimated cost of equipment	$740.00

Labor and Supervision

1 Foreman-hoistman @ $2.00 per hour
1 Miner @ $1.50 per hour
1 Mucker @ $1.50 per hour
2 Trammers @ $1.50 per hour
1 Bookkeeper @ $50 per month

The above hourly wage rates are based on an 8-hour day, 5-day week. Time and one-half is allowable for overtime.

Estimated cost of labor and supervision	$8,725.00
Compensation, payroll taxes	$640.00

Supplies

Gasoline, oil	$ 250.00
Pipe	515.00
Track	700.00
Explosives	1,140.00
Drill steel, bits	300.00
Timber	900.00
3-conductor cable	500.00
Small tools	330.00
Assaying	100.00
Estimated cost of supplies	$4,735.00

L E A S E.

THIS INDENTURE, Made and entered into this 12th day of December 1951, between BETZER MINES, INC., a corporation, hereinafter called the Lessor, and STANLEY L. LARSON and R. L. PLUMMER hereinafter called the Lessees;

WITNESSETH: That the Lessor, in consideration of the covenants and agreements of the Lessee hereinafter expressed to be kept and performed by the Lessee, and upon and subject to the conditions hereinafter provided, has leased and demised, and by these presents does lease and demise unto the Lessee, the following described mining property or premises, to-wit:

That part of the Southwest Quarter of Section Eight, Township One South, Range 72 West of the 6th P.M. known as the Vasco No. 2 Vein, the Vasco No. 5 Vein, and the Vasco No. 8 Vein, provided that the Vasco No. 5 Tunnel shall be used jointly by the Lessees herein and other Lessees of the Lessor herein.

It is specifically reserved from this lease all that part of said Southwest Quarter of said Section Eight lying North of a line drawn from the intersection of the Vasco No. 5 Tunnel with the Vasco No. 5 Vein and running thence West to the West line of said Section Eight.

TO HAVE AND TO HOLD The said demised premises, only however to the extent necessary for the purpose of mining the same for tungsten ore and for no other purpose, for a term of three (3) years from the date hereof.

IN CONSIDERATION Of this lease, the Lessee covenants and agrees as follows, to-wit:

1. To work the said premises in thorough mine-fashion to the end of the safe development and preservation of the same as a workable mine, at all times extracting as much ore therefrom as is possible consistent with safe and prudent mining; and in this connection it is agreed and understood that the Lessor may at its election require the Lessee to produce ore instead of doing development work.

2. To work the demised premises continuously from January 1, 1952 performing at least 40 shifts of work therein underground during each calendar month during the time this lease shall remain in force and effect; any excess labor performed during any calendar month shall not apply on the work required hereunder in any preceding or following calendar month. The word "shift" is taken and accepted to mean the labor of one man for one day of at least 8 hours.

3. To make all shafts and inclines eight (8) feet long by four (4) feet wide in the clear, with bucket ways three and one-half (3-1/2) by four (4) feet in the clear, and all drifts seven (7) feet high by four (4) feet wide in the clear, provided that existing shafts, drifts and inclines shall, unless otherwise directed by the Lessor, be continued with their present dimensions. The Lessor reserves the right to change the dimensions of any workings as and whenever in the judgment of the Mining Superintendent of the Lessor the same may be necessary or expedient.

4. To do no underhand stoping, whether for the purpose of taking out ore or for any other purpose whatsoever.

5. To neither mine, extract nor remove the ground to a point nearer than four (4) feet to each side of any working shaft, and always to leave at least four (4) feet of ground, in its original condition, to support each such shaft. To leave more than four (4) feet of ground to support each such shaft if the Mining Superintendent of the Lessor shall so direct and to crib or rip-rap any shaft at the Lessees' expense, if the said Mining Superintendent shall so request the Lessees.

6. To allow the officers, agents and representatives of the Lessor at all times to enter upon and into the said premises and all parts thereof for the purpose of inspection and sampling, and to make any surveys they may desire, and to render them all the assistance in the power of the Lessees in so doing.

7. To keep and maintain the drifts, shafts, tunnels and other workings in the said premises thoroughly drained and clear of loose rock and rubbish and in a safe and secure conditi n, except as prevented by extraordinary mining casualty, and to maintain at all times and leave the floors of all drifts and workings in good, even and unobstructed condition; to stow no waste underground except with the consent in writing of and under the direction of the Mining Superintendent of the Lessor.

8. To keep posted in conspicuous places on the surface of the said premises all notices which may be furnished by the Lessor for posting thereon.

9. To not assign this lease or any interest therein, nor to sublet the said premises or any part thereof; and to not assign or transfer to anyone any interest in the sums payable by the Lessor, or any other, to the Lessees for ores produced from the demised premises, without the written consent of the Lessor first had and obtained.

10. To pay monthly in advance to the Public Service Company of Colorado its charges for electric power required or to be furnished to the Lessees at the said premises, together with all proper costs of making such power available to the Lessees.

11. The Lessees hereby agree and promise that on or before the 10th day of each calendar month after the date hereof, the Lessees will make, sign and deliver to the Lessor a written report, in duplicate, of the payroll for all operations under this agreement of lease upon the premises hereinabove described, for the preceding calendar month, on such forms as the Lessor and/or the State Compensation Insurance Fund shall direct from time to time; and the Lessees agree and promise that each such report shall be in sufficient detail so that the actual payroll may be ascertained for all operations under this lease upon the demised premises during the preceding calendar month, including the Lessees' own time at Lessees' actual wages, but in any event at not less than the minimum rate of pay fixed from time to time by the State Compensation Insurance Fund or the Industrial Commission of Colorado for a Lessee, and including the payroll of his sublessees and employees, if any, and including the payroll on account of contractors and subcontractors and their employees, if any, so that from such report there may be ascertained the amount of premium payable by the Lessor to the State Compensation Insurance Fund or other insurance carrier for compensation insurance covering the Lessees, the employees and sublessees, if any, and all contractors and subcontractors, if any, and the employees thereof, for operations on the said premises under this lease.

The Lessee agrees hereby to pay to the Lessor the cost of such compensation insurance as may be carried by the Lessor on account of or for the

Lessees and Lessees' sublessees and employees, if any, and on account of each contractor with the Lessees and subcontractor, if any, and the employees of each thereof, if any, because of any operations on the demised premises under this lease; and the Lessees agree to pay the cost of such insurance to the Lessor in cash monthly installments payable on or before the 20th day of each calendar month during the life of this lease for the operations of the preceding calendar month; and the Lessees agree further that the Lessor, at its option, may withhold and deduct each such monthly installment, and any unpaid monthly installments, if any, from sums otherwise payable to the Lessees upon ore settlements from operations under this lease, or from any other money due or owing or to become due in any fashion to the Lessees from the Lessor.

12. The Lessees agree to pay to the Lessor and the Lessor reserves a royalty of fifteen (15) percent of the net proceeds from the sale of any ores produced by the Lessees. The "net proceeds" is agreed to be the net sale price of said ores less the cost of hauling the same to the Lessor's mill at Nederland, Colorado.

13. The Lessees agree to pay eighty-five percent of any production tax levied and assessed by the County Assessor of Boulder County, Colorado, against any ores produced by the Lessees from the leased property.

IT IS MUTUALLY AGREED By and between the Lessor and Lessees as follows:

(a) That the Lessor has leased to Vanadium Corporation of America its mill located at Nederland, Colorado, and the Lessees agree to sell all ore and concentrates produced from the leased premises to Vanadium Corporation of America, provided its schedule of prices is at least equal to the price which may be offered the Lessees by any other party. In the event the Lessees are able to sell said ore or concentrates at another price higher than that offered by the Vanadium Corporation of America, the Lessees shall have the right to sell such ore to the buyer offering a higher net price. All ore shall be shipped and sold in the names of the Lessor and the Lessees and the royalty reserved by the Lessor shall be paid directly to the Lessor. It is further agreed that no hauling charges in excess of hauling said ore to Lessor's mill at Nederland shall be deducted in the event said ore is sold to anyone other than the Lessor.

(b) The Lessees shall not mill or treat any ore produced from the leased premises which assays one percent WO_3 except in a mill approved by the Lessor.

(c) It is further mutually understood and agreed that in the event the Lessees fail to pay the royalty herein reserved, or fail to pay compensation insurance premiums, the Lessor shall have the right to terminate this lease immediately and without notice to the Lessees. In the event of the violation of any other term, provision or condition of this lease by the Lessees, the Lessor shall have the right to terminate this lease upon giving thirty (30) days written notice to the Lessees. In the event the Lessees correct any such defaults within thirty (30) days, said lease shall not be terminated. In the event any default shall not be corrected at the end of said thirty-day period, then said lease shall be terminated as of the end of said thirty-day period. Said notice shall be given in writing, addressed to the Lessees at Nederland, Colorado.

(d) The title to any ores broken or mined on said leased premises at the termination of this lease, shall be the property of the Lessor, and it shall not be liable for the payment to the Lessees for the same before any costs or expenses of breaking or mining said ore.

IN WITNESS WHEREOF, The Lessor has caused its name to be hereunto subscribed by its President and attested by its Secretary and its seal affixed hereunto, and the Lessees have hereunto set their hands and seals the day and year first above written.

WETZER MINES, INC.,

By _____
President.

ATTEST:

_____
Secretary

_____

_____

_____

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2304
Metal or Mineral
Date Received 12-26-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

Name and address of applicant

Stanley Larson & Robert G. Plummer
DBA as the L. & P. Mining Co.
725 W. 39th. Ave., Denver, 16, Colo.

Date Dec. 20, 1951

If you have already filed MF-100, give date filed Dec. 21, 1951, type of assistance requested Loan for Exploration,

DMA Docket Number (if available) None yet.

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See attached supplement

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. (Attached)

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Same as 1(a)

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. No Liens

2. (*a*) What metals or minerals do you expect to find? Tungsten in form of Ferberite

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

Veins have been mined intermittently since 1903 and a large amount of ore has been mined. See attached Map. We do not have any Geologic report. Ferberite ore was found and there should be a large amount as yet undeveloped. Do not return map.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

L & P Mining Co
(Name of company)

By Stanley Larson, Partner
(Signature of authorized official)
Robert D. Glammer

Dec. 21, 1951
(Date)

(Title)

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.

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

SUPPLEMENTAL TO FORM MF-103

1.(a) That part of the Southwest Quarter of Section Eight, Township One South, Range 72 West of the 6th P. M. known as the Vasco No. 2 Vein, the Vasco No. 5 Vein, and the Vasco No. 8 Vein, provided that the Vasco No. 5 Tunnel shall be used jointly by the Lesseees herein and other Lessees herein and other Lessees of the Lessor herein.

It is specifically reserved from this lease all htat part of said Southwest Quarter of said Section Eight lying North of a line drawn from the intersection of the Vasco No. 5 Tunnel with the Vasco No. 5 Vein and running thence West to the West Line of said Section Eight.

3. (a) Plan on dewatering the mine. Drive crosscuts off of Tunnel No. 5 and drive drifts on the vein Vasco No. 2. Plan on building necessary buildings to operate the mine, buy hoists, pumps and buy or rent compressors and other necessary mining equipment. Approximate cost $25,000.00

(b) Will start as soon as loan is approved and complete in 2 years.

4. Enclosed Map No. 1 shows proposed drifts in Red and if ore is found to slope it out. Enclosed Map No. 2 shows proposed drifts in Red. Enclosed Map No. 3 shows Vasco No. 2 Vein which is flooded and we cannot determine until dewatered what exploration will be necessary. The Maps show the veins.

5. Shaft house and compressor house and ore bin in state of disrepair. Will cost about$1,000.00 to rebuild.

6. Will need additional ore bin at cost of $800.00. Will need 2 Hoist frames at a cost of $500.00.

7.(a) Will rent a 500 cu. ft. compress or at monthly rental rate of $600.00. Will rent 2 hoists at $50.00 per month each.

(b) Will purchase 2½" used electric pump at $500.00
Will purchase 2 ore buckets at $200.00 each
Will purchase 2 ore cars (used) at $100.00 each
Will purchase 1 drifter Model D73(Gardner Denver) cost $710.00
Will purchase 2 stoping drills Model H81 " cost $510.00 ea.
Will purchase 2 tons rail at cost of $150.00 per ton.

(c) None

8. 1 Sup't at $400.00 per month, 6 Miners @ $1.75 per hour, 4 Muckers @ $1.50 per hour, 2 Hoist Operators @ $1.75 per hour, 1 Shifter @ $2.00 per hour, 2 Timbermen @ $1.75 per hour.

9. Powder 20,000# @ $20.50 Cwt., 5000 Blasting Caps @ $21.15 per M., 6000' Fuse @ $13.25 M. ft.
Bits 100 Carbide @ $14.00 each.
Steel 1" Hex, 240' @ $1.50 per foot.
Air hose, air pipe and water pipe, Estimated cost $1,000.00
Accounting at $50.00 per month.
Power installation cost about $1,700.00. Power cost; 1st. 30 KWH $37.50, next 60 KWH @ 3¢ and thereafter 1¢ per KWH
Water, No Cost.

10(a) $6,500.00

(b) Our estimate is total cost of $25,000. and the $6500. would be our 25%

11 None

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2307

Date received 12-26-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

Stanley Larson & Robert G. Plummer
DBA as the L. & P. Mining Co.
725 W. 39th. Ave., Denver, 16, Colo.

Name and address of applicant

Date Dec. 21, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5)~~ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) X 5 other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   - (*a*) What are the chief mine, mill, or smelter products? Tungsten
   - (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Vasco No. 2 Vein, Vasco No. 5 Vein and Vasco No. 8 Vein, All mines to be worked from one shaft. No Mills, Smelters refineries, pits, quarries or drilling operations
   - (*a*) Linear feet of shafts. Approx 400'
   - (*b*) Linear feet of drifts and crosscuts. 2000' of
   - (*c*) Linear feet of tunnels or adits. Tunnels, crosscuts, Adits
   - (*d*) Linear feet of other mine openings (explain briefly). Unknown

   X Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   - (*a*) Distance and direction from nearest town and shipping point. 3 Miles from Nederland, Colo.
   - (*b*) Mining district. Nederland District
   - (*c*) Township, Section, Range. XX
   - (*d*) County, State. Boulder County, Colorado
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not now in operation

   (*b*) Are you operating this property as: Will operate property as Lessee
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production / Was in production from 1903 to 1944 intermittently
   Plan to start operations as soon as Gov't loan is approved

   If not in production or operation, estimated date when production will begin
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. XXX
7. History:
   - (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. XXXX
   - (*b*) State briefly the known history and production of adjoining and neighboring properties. *
   - (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. **

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Stanley Larson	Partner	None	$100,000.	-	-	-	-
Robert G. Plummer	Partner	None	$ 10,000.	-	-	-	-
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.) About 30,000 units in the past	Ferberite	None	None	None	
2. Quantity of product processed (specify unit of measure and type of process) 30,000 Units					
3. Quantity and grade of product sold or shipped (specify units of measure) 30,000 Units	60% WO3				

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. None produced now

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Ferberite Ore lying in vein formation

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. Mine is flooded now and proven ore has been removed

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: Tonnage must be developed by exploration

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) None proved					
Indicated (probable) Must be developed and may or may not be found					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. Paved road at site of property: 3 miles to Nederland, 17 miles to Boulder, Colo.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Middle Boulder Creek runs past the property.

15. Power:

State amount of power used, rate per hour, and source thereof. Public Service Co., power line runs across the property Rate and quantity to use not known.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. Not in operation yet

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation. Buildings in poor condition. Will need rebuilding. None as yet

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain. No

CERTIFICATION

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

L & P Mining Co
(Name of company)

By Stanley Larson Partner
(Signature of authorized official)
Robert G. Thurne

Dec 21, 1957
(Date)

(Title)

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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

SUPPLEMENTAL SHEET TO FORM MF-100

X	2-D.	Mine is flooded. Plan on using ¾" Electric Pump
XX	3-C	That part of S. W. ¼, of Section 8, Township 1, South Range 72 W of the 6th. P. M.
XXX	6-A	Stanley Larson has been in general road constructon work as a contractor for the past 20 years. Robert G. Plummer mined tungsten in the Nederland and Grand Island District and Gold in the Gold Hill district 15 years.
	6-B	Project will be managed by the applicants.
XXXX	7-A	Mine was originally opened up in 1903 and worked intermittently until 1944. Closed down on account of low market price of Tungsten.
*	7-B	Barker tract laying to the West developed a large amount of ore in the past 50 years. Vasco 4 and 7 to the North developed a large amount of ore in past 50 years.
**	7-C	None available.

For Schedule of Collections No. DMA-R4-C-9, dated August 7, 1953, giving royalty repayments of $10.57 and $16.59, see E-312.

E-306

For Schedule of Collections No. DMA-54-C-2, dated July 1, 1953, giving royalty repayments of $3.58, $6.27, and $10.60, see E-402.

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. DMA-53-C-53

Sheet No. 1

(14-23-040)

Department of Interior (Department or Establishment)

Defense Minerals Exploration Administration (Bureau or Office)

Received by G. E. Evans, Regional Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period April, 1953 (Month or quarter ended)

D. O. Symbol No. 413

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
4/21/53		Metzer Mines Inc., Check No. 315, drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-3[illegible] L & P Mining Co.	88.47	14X4401 Revolving Fund Defense Production Act, Interior
4/21/53		Metzer Mines Inc., Check No. 314 drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-[illegible] L & P Mining Co.	43.78	" " "
4/21/53		Metzer Mines, Inc., Check No. 320 drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-[illegible] L & P. Mining Co.,	20.86	" " "
4/21/53		Metzer Mines, Inc., Check No. 322 drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-[illegible] L & P Mining Co.	36.36	" " "
4/21/53		Metzer Mines, Inc., Check No. 348 drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-E54, Cold Spring Tungsten Inc.	28.46	" " "
4/21/53		Metzer Mines, Inc., Check No. 325, drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-E54 Cold Spring Tungsten Inc.	64.77	" " "
4/21/53		Metzer Mines Inc., Check No. 317, drawn on The Mercantile Bank & Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, I-DMA-E53 Fukeka Tungsten	154.02	" " "
			Total,	356.72	

Received ....., subject to collection.

Forwarded April 22, 1953

(Disbursing clerk or accountable officer)

By .....

By .....
Naomi E. Stokes (Name)
Title Authorized Certifying Officer

Certificate of Deposit No. ..... dated .....

U. S. GOVERNMENT PRINTING OFFICE 10—1790

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

Budget Bureau No. 49-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
NOV 23 1953

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

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name L. & [illegible] Mining Co. Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: 75 % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor		[illegible]	[illegible]			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives	[illegible]	[illegible]	[illegible]			
Pipe		[illegible]	[illegible]			
Track			73.07			
Power	[illegible]	[illegible]	[illegible]			
Others	[illegible]	[illegible]	[illegible]			
(4) Operating Equipment:						
Rental						
Purchase		[illegible]	[illegible]			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		[illegible]	[illegible]			
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]			
Sampling and Analysis						
Payroll Taxes		[illegible]	267.16			
Liability Insurance						
[illegible]		[illegible]	[illegible]			
[illegible] Co., Inc.		[illegible]	[illegible]			
(8) Contingencies (specify):						
Freight		[illegible]	[illegible]			
TOTALS	[illegible]	[illegible]	[illegible]	105.92	25,031.22	25,137.14

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

Date Aug. 17, 1953 Payee L. & [illegible] Mining Co.

Per Stanley Larson Title [illegible]

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

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

(Instructions on reverse)

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

$79.46

Signature [illegible]
(Authorized Certifying Officer)

Date 11/9/53 Vou. No. DMA 54-45

(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-306 in accordance with the terms of the contract.

Signature R. L. Bolmer, #7944 Title Mining Engineer Date Aug. 19, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date NOV 3 - 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-204A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

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

Month of [illegible] 195____ Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name L. A. [illegible] Co. Minerals [illegible]
Address [illegible], Denver, [illegible], Colo.

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	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	
Crosscutting								
Raising	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Maintenance & Development Costs		[illegible]		[illegible]				
TOTAL DISTRIBUTED COSTS		[illegible]		[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				[illegible]				[illegible]
Initial Rehabilitation and Repairs				[illegible]				[illegible]
New Buildings, Improvements, etc.								[illegible]
TOTAL COSTS		[illegible]		[illegible]				

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 [illegible] Operator L. A. P. Mining Co.

Per Stanley Larson Title [illegible]

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

224 New Customhouse
Denver 2, Colorado

November 19, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104 - DMEA Docket 2304, Contract Idm-E306 (Tungsten), Stanley L. Larson and R. L. Plummer, doing business as L. & P. Mining Company, Vasco No. 2 and No. 5 Mines, Boulder County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of May 1953 and Final Claim dated August 17, 1953.

Also attached to each copy of the MF-104 report are data relative to the liquidation of the Government's interest in property acquired under the contract.

Forms were processed for payment in conformance with the Audit Report and Certificate by the Contract Administration and Audit Division, dated September 8, 1953.

The Government's full contribution amounted to $18,226.84 as allowed by the contract.

Final reports were forwarded to you by our memorandum of November 3, 1953.

J W Townsend
J. W. Townsend
For W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

Administrative Audit Difference Statement

Date: [illegible]
Payee's
Reference: Progress
Report - [illegible]

[illegible] Mining Co.
[illegible] Ave.
Denver 16, Colorado
[illegible]

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

Amount Claimed $[illegible]

Difference $[illegible]

Amount Approved $[illegible]

The reason for the difference was due to:

Disallowance on February report	[illegible]
Balance non-refundable with Public Service Co. of Colorado	[illegible]
Compressor repairs not under contract	[illegible]
Liquidation settlement	[illegible]
	[illegible]
Prior deductions not adjusted by operator	[illegible]
	[illegible]

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

RECEIVED
NOV 9 1953

224 New Customhouse
Denver 2, Colorado

November 3, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306 (Tungsten), Stanley L. Larson and L. L. Plummer, doing business as L. & P. Mining Company, Vasco No. 2 and No. 5 Mines, Boulder County, Colorado - Operator's Monthly Progress Report for the month of May 1953 and Final Claim dated August 17, 1953

Enclosed are the original and four copies of Form MF-104 and Form MF-104A, Narrative Report, and Engineer's Report for the above periods, which have been combined to form a single report. The report constitutes the operator's final claim under the terms of the contract.

Work has been accomplished as authorized in the contract and the operator has complied with requirements. Final payment is recommended as follows, which is in conformance with the Audit Report and Certificate by the Contract Administration and Audit Division, dated September 8, 1953. Payment has been deferred pending receipt of the operator's final report, which was received today.

Basis for final payment

Total payment authorized by Audit Report.....	$18,226.84
Total prior payments.....	17,709.43
Balance due the operator.....	$ 517.41

Reconciliation with attached MF-104 reports

Operator's claim for May 1953, Gross amount...	$ 1,396.59
Operator's claim of August 17, 1953, Gross amount.....	105.92

Gross amount of operator's final claims		$1,502.51
Audit Disallowances.....	$234.69	
Liquidation of property settlement.....	600.00	
Total Deductions		834.69
Balance		$ 667.82
Plus $22.03 which was deducted by Fiscal Office in January 1953 based on prior audit but not adjusted by operator, therefore is included in the present Audit Disallowance in the amount of $234.69 cited above		22.03
Adjusted Balance		$ 689.85
Government participation at 75%		517.39
Mill Adjustment		.02
Balance due operator		$ 517.41

W H King
W. H. King

Enclosures

JWT:jp
cc Contract
Chron
WMTraver
Sec. to Oper. Committee (2)
JWTownsend

RECEIVED
AUG 8 9 1953

224 New Customhouse
Denver 2, Colorado

August 10, 1953

L & P Mining Company
725 West 39th Avenue
Denver 16, Colorado

Re: Docket DMEA 2304, Contract No. Idm-E306

Gentlemen:

Consistent with the authority delegated to this office under Order No. 2684 from the Office of the Secretary, Department of the Interior, the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, does hereby accept your bid and proposal dated July 28, 1953 in the amount of $600.00 in the disposal of equipment and unexpended portion of the materials and supplies acquired under Contract Idm-E306.

The Government's equity of seventy-five percent, or the amount of $450.00, will be deducted from amount due you on the final settlement of the contract account.

The final report will be processed for reimbursement to you upon release of the report of final audit of the Contract Administration and Audit Division.

Very truly yours,

W. H. King

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

JWT:es

cc: Contract
Chron.
Townsend
Traver
MF-104(5)
Koschmann (2)
Finch (9)

Carbon Copy From
L. & P. Mining Co.
~~[illegible]~~
725 West 39th Avenue
DENVER 16, COLO.

[illegible] Administration
RECEIVED
[illegible] 23 1953

July 2[illegible], 1953

Bureau of Mines,
224 New Customhouse,
Denver, 2, Colo.

Re: Contract No. IDM-R306
Docket No. DMEA 2304

Att: Mr. King.

Gentlemen:

We have endeavored to dispose of the equipment and supplies left on hand when we finished the work on the Vasco 2, 5 & 8 leases.

We contacted various dealers and advertised in the Denver Newspapers and can find no one wanting to purchase it.

In order to consummate the contract and get everything cleared up, we are willing to buy this equipment and supplies ourselves for Six Hundred Dollars ($600.00). The equipment and supplies involved are as follows:

EQUIPMENT

1-390' Imperial #10 Compressor
1-50 H. P. Motor
1-50 H. P. Compensator
1-Starting Controller
1-30 Amp. 600 V. 3 Pole Safety Switch
1-60 Amp. 100 V. 3 Pole Safety Switch
1-100 Amp. 600V. 3 Pole Safety Switch
2-Ore Buckets
1-Mine Car
1-Vail Centrifugal Pump

SUPPLIES

700' El e. Cable #6 Rubber Covered
200' Elec. Cable #14 Rubber Covered
1-25 H. P. Elec. Switch
15 Pcs Drill Steel
2 Bank Grids
600' 2" Black Pipe

Please advise if this is acceptable or not so we can get our last 2 reports cleared for payment.

Very truly yours,

L. & P. MINING CO.

BY Stanley Larson

SL/L

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 5, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L and F Mining Company (Vasco No. 2 and 5 mines), Boulder County, Colorado - Operator's bid on the salvage value of property purchased for the project

Enclosed please find the original and five copies of R. L. Bolmer's memorandum covering his recommendations on subject operator's bid for salvable property, which has my approval.

Your attention is called to Bolmer's recommendation concerning the power deposit refund.

The memorandum is prepared in compliance with your memorandum of July 29, 1953, and the operator's letter of the preceding day is returned herewith.

W. M. Traver

W. M. Traver

enclosures

cc 5
E306
DMEA Chron.

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 5, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-2306 (Tungsten), L and P Mining Company (Vasco No. 2 and 5 mines), Boulder County, Colorado - Operator's bid on the salvage value of property purchased for the project

The L and P Mining Company, having sought unsuccessfully to dispose of jointly owned property salvable at completion of work under the subject contract, has offered to purchase the property itself. The company's bid of $600.00 is for the full value of all salvable property and not for just the Government's 75 percent equity.

It is known that the company has contacted several mine operators and equipment dealers in Boulder County, several of whom expressed an interest in purchasing portions of the property but had not the necessary funds for its outright purchase. Purchase agreements probably could have been secured if time payment could have been offered.

Equipment dealers in Denver also were canvassed but with no success. At the present time, mining activity in the general area has slackened. New mining equipment no longer is on back order or in short supply and the machinery houses are overstocked with new and particularly used equipment.

The company advertised the equipment for several days in a local newspaper. Only a single inquiry resulted. The company itself has no anticipated use for the property but has bid on it in the hope that it can be disposed of at a later date. Such disposal probably will require the company to finance its purchase to any prospective buyer.

The following property, purchased for and accepted as a cost of the exploration project, was unexpended at the completion of contract work and is considered to have a salvage value:

	Cost to Project
Pipe, fittings	$ 183.18
Three-conductor electric cable	277.50
Two hoisting buckets, mine car	61.20
I-R, Imperial type 13, 14 by 12 by 7-1/2 (350 c.f.m.) air compressor	459.00
G. E. 50-h.p. induction motor and starting compensator	591.60
Vail centrifugal pump	15.00
Three electrical switches	225.00
Total	$1,812.48
Government equity (75 percent)	$1,359.36

In addition to the above items, the company's bid of $600.00 covers a 25-h.p. electric switch, 15 pieces of drill steel, and two banks of grids for an electric hoist.

The cost of salvaging mine track, purchased at a cost to the project of $73.97, would have exceeded its salvage value. The track was left in the mine at the suggestion of the Defense Minerals Exploration Administration representative.

It appears that the company has endeavored to secure higher bids on the salvable property according to the prescribed procedures but was unsuccessful. The company's bid represents approximately one-third of the purchase price of the property considered salvable. Under the circumstances, it is believed that the company's bid of $600.00 for all salvable property purchased jointly by the company and the Government is fair and equitable and its acceptance is recommended.

A construction deposit for power installation at the property, in the amount of $1,223.00, was approved as a cost of the project. The company recently received, as a refund on this deposit, 20 percent of its payments for power consumption during the first year of operation. Only part of the total power costs, or $1,032.47, was charged to the exploration project. A credit of 20 percent of this amount, or $206.49, therefore, is due the project account and such an adjustment should be made in the total accepted costs before final settlement is paid to the company.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 5
E306
DMEA Chron.

RLB/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

RECEIVED
AUG 31 1953

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 20, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMMA 2304, Contract Idm-2306 (Tungsten), L. and F. Mining Company (Vasco No. 2 and No. 5 mines), Boulder County, Colorado - Supplemental claim for incurred costs

Enclosed please find the subject supplemental claim for incurred costs, termed final by the operator, with only forms MF-104 and MF-104A and required documentation and six copies of H. L. Bolmer's memorandum covering the account.

The accounts are accepted as explained in Bolmer's memorandum. Actually, this is a claim for costs incurred subsequent to the last previous progress report, and it would not appear that as long as it is otherwise adequately documented, a narrative or letter of justification should be required.

Payment is approved and certified on the MF-104 form of $79.44 or 75 percent of the total $105.92 claimed by the contractor subject to the usual Region IV audit.

W. M. Traver

W. M. Traver

enclosures

WMT/kp

cc 4
2306
DMMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 20, 1953

Memorandum

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

From: R. L. Palmer

Subject: RMSA 2304, Contract I4n-2306 (Tungsten), L. and P. Mining Company (Vance No. 2 and No. 5 mines), Boulder County, Colorado - Supplemental claim for incurred costs

The operator under the subject contract has submitted a supplemental claim for certain costs incurred by the project, but which were not included in the May 1953 progress report.

The costs reported in the supplemental claim have been substantiated in the prescribed manner. All but the costs for advertising were incurred prior to the completion of project work on May 29, 1953. The cost of publishing public notices relating to the liquidation of salvable project property is considered as an allowable cost under the program. The $3.30 and $3.12 charges for advertisements in The Denver Post and the Rocky Mountain News, therefore, are accepted. The credit indicated on the Public Service Company's invoice is not applicable to the project account. The principle and interest credited to the operator are from a power deposit which was not charged to the project account.

The total costs reported to date exceed by $137.14 the contract amount of $25,000.00. A credit of approximately $200.00, however, is due the project account on Item 6, Mar Buildings and Improvement. This credit will reduce the total costs incurred to below the authorized contract amount.

On form MF-104A, it is noted that the "Units to Date" for raising has been reported incorrectly. "Unit Costs to Date" for raising also are incorrect. Otherwise, the supplemental report appears to be in acceptable form.

The total costs reported in the supplemental claim, $105.92, are accepted. Payment of 75 percent of the accepted amount, or $79.44, is recommended.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/mp

cc ✓6
2306
MSHA Chron.

Form MFE-104 (Rev.)
(Apr. 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R0066.3.
Expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1953 Docket No. DMEA 2304 Contract No. DMEA-2306
Operator's Name L. & D. Mining Co. Minerals Tungsten
Address 725 E. 18th. Ave., Denver, 16, Colo.
Contract Amount, $25,000.00 Government Participation: 75% Amount, $18,750.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,130.40	16,679.26	17,809.66			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	9.87	326.36	336.23			
Explosives	12.07	813.77	825.84			
Pipe		181.94	181.94			
Track		73.07	73.07			
Power	115.54	917.93	1,033.47			
Others	70.41	1,197.91	1,268.32			
(4) Operating Equipment:						
Rental						
Purchase		1,427.10	1,427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1,203.00	1,203.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	16.96	350.20	367.16			
Liability Insurance						
Bookkeeper May	50.00	616.67	666.67			
Work.Comp.Ins.	45.54	311.78	356.12			
(8) Contingencies (specify):						
Freight		1.24	1.24	1396.59	23,634.63	25031.22
					**-22.03	**-22.03
				*-812.66		*-812.66
TOTALS	1,396.59	23,634.63	25,031.22	583.93	23,612.60	24196.53

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

Date June 6, '53 Payee L. & D. Mining Co.

Per Stanley Larson Title Partner.

*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:

$ 437.95

Signature
(Authorized Certifying Officer)

Date 11/9/53 Vou. No. 54-45
(See other side)

* Disallowed per audit ** Previous Disallowance

(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-306 in accordance with the terms of the contract.

Signature R. P. Bolner, #1024.03 WMT Title Mining Engineer Date June 15, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W H King Title Executive Officer Date NOV 3 - 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

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

Month of May 1953 Docket No. DMEA [illegible] Contract No. [illegible]-306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 E. 39th. Ave., Denver, 16, Colo.

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			1,647.[illegible]	[illegible]	[illegible].10	100	
Crosscutting								
Raising	Feet	931.[illegible]	12	[illegible]	[illegible]	[illegible]	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underg'd Rehab. & Demobilization		[illegible]		15,6[illegible]				
TOTAL DISTRIBUTED COSTS		1196.59		22,381.1[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1,[illegible]7.10				1,467.10
Initial Rehabilitation and Repairs				1,2[illegible].00				1,2[illegible].00
New Buildings, Improvements, etc.								[illegible]
TOTAL COSTS		1196.59		25,[illegible]				

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

Date June 9, 1953 Operator L. & P. Mining Co.

Per Stanley Larson Title Partner.

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

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2904, Contract Idm-R306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for May 1953

Enclosed please find the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and required documentation--and the original and six copies of R. L. Belmer's memorandum covering inspection of the underground progress and accounts.

The progress underground, consisting only of raising 12 feet, is confirmed by the inspection and is correctly reported in the narrative and entered on the MF-104A forms. The accounts are in order within our authority to verify them, including documentation.

Operations ceased under the contract May 29, 1953. The contractor spent $31.22 more than the amount allowed, and it is deducted from the total certified. It is in order to proceed with termination in the usual manner after determining whether a certification should be made, as discussed in the last transmittal memorandum.

The $31.22 disallowed, subtracted from the total $1,396.59 claimed, leaves $1,365.37 approved. Of this sum 75 percent, or $1,024.03, is certified on the MF-104 form as due the contractor, subject to final Region IV audit. Payment should be deferred until final audit is made, final reports prepared, and determination made of the salvage value of property jointly owned with the Government.

W. M. Trever

W. M. Trever

enclosures

WMT/cb

cc: R306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 17, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-2306 (Tungsten), L. and P. Mining Company (Wasco Nos. 2 and 5 mines), Boulder County, Colorado--Progress report for May 1953

Progress under the subject contract was inspected May 19, 1953, at which time permission to stop raising and begin demobilization was given the operator. The engineering report for April 1953 describes the 12 feet of raising completed in May to the date of the inspection. Demobilization, the removal of pipe, equipment, and other salvageable materials from the mine, began May 20 and was completed May 29, 1953, the closing date of contract work.

Incurred costs totaling $1,396.59 are reported this period. The individual costs are supported by the required documentation and are considered justified and reasonable. Including the amount reported this period, the aggregate costs to date equal $25,031.22, or $31.22 in excess of the authorized $25,000.00. The amount of $31.22, therefore, is disallowed. The remainder, or $1,365.37, is allowable under the contract, and approved. Payment of 75 percent of the approved amount, or $1,024.03, is recommended. Payment of this final voucher should be withheld pending approval of the disposition of the unexpended property purchased with funds contributed jointly by the operator and the Government.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/ch

cc: 6
2306
DMEA Chrom.

Contract No.
Am-E 306

Docket No.
DMA-DMEA 2304

Defense Minerals Administration
RECEIVED
NOV 23 1953

DESCRIPTION OF PROGRESS

MAY 1st, 1953
TO
MAY 31st., 1953

DRILLED AND SHOT RAISE NO. 2 UP 52' 8" FROM RAIL LEVEL TO BACK OFF RAISE. REMOVED ALL 2" PIPE FROM LOWER FIVE LEVEL. REMOVED 2" PIPE FROM WINZE. REMOVED 4" PUMP LINE FROM WINZE. REMOVED WATER PUMP FROM WINZE. REMOVED ELECTRIC CABLE FROM WINZE AND UPPER LEVEL TO COMPRESSOR HOUSE. REMOVED HOIST FROM WINZE AND RETURNED TO HETZER MINES. REMOVED 4" LINE FROM COMPRESSOR HOUSE TO NO. 2 SHAFT. REMOVED WATER PUMP FROM NO. 2 SHAFT.

DATE	ORE	WASTE
5-1	0	10
5-2	6	4
5-3	0	0
5-4	2	6
5-5	4	8
5-6	3	9
5-7	0	11
5-8	0	5
5-9	2	5
5-10	0	0
5-11	0	6
5-12	0	10
5-13	0	5
5-14	0	10
5-15	0	5
Total	19 Cars	94 Cars

L. & P. MINING CO.

BY Stanley Larson
Partner

L. & P. MINING CO.

725 W. 39th. Ave. — Denver, Colo.

MAY 1st., 1953 to MAY 15th., 1953

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS	RATE	AMOUNT
Robt. Plummer	Hoistman	8	8	0	8	8	8	8	8	8	0	8	8	8	8	8	16 88	2.250T 1.50	$168.00
Chas. Castelli	Miner	8	8	0	8	8	8	8	8	8	0	8	8	8	8	8	16 88	2.250T 1.50	$168.00
Wm. J. Hughs	Mucker	8	8	0	8	8	8	8	8	8	0	8	8	8	8	8	16 88	2.250T 1.50	$168.00
Chas. K. Horton	Trammer	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	40	1.50	$ 60.00
																			$564.00

MAY 16th., 1953 to May 31st., 1953

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HRS	RATE	AMOUNT
Robt. Plummer	Hoistman	8	0	8	8	8	8	8	8	0	8	8	8	8	8	0	0	16 80	2.250T 1.50	$156.00
Chas. Castelli	Miner	8	0	8	8	8	8	8	8	0	8	8	8	0	8	0	0	16 72	2.250T 1.50	$144.00
Wm. J. Hughs	Mucker	8	0	8	8	8	8	8	8	0	8	8	8	0	8	0	0	16 72	2.250T 1.50	$144.00
Chas. K. Horton	Trammer	8	0	8	8	8	8	8	8	0	8	8	8	8	8	0	0	16 80	2.250T 1.50	$156.00
																				$600.00

Social Security Deducted:

Robt. Plummer	1st. Half	$2.52	
	2nd. Half	$2.34	$ 4.86
Chas. Castelli	1st. Half	$2.52	
	2nd. Half	$2.16	$ 4.68
Wm. J. Hughs	1st. Half	$2.52	
	2nd. Half	$2.16	$ 4.68
Chas. Horton	1st. Half	$ .90	
	2nd. Half	$2.34	$ 3.24
			$17.46

I certify that the above is a true and correct copy of payroll for May 1953.

Clyde M. Lundeen

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
AUG 2 - 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 2304 Contract No. Idm-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denve. 16, Colo.
Contract Amount, $25,000.00 Government Participation: 75 % Amount, $18,750.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	966.00	15,713.26	16,679.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		326.36	326.36			
Explosives	38.39	175.38	213.77			
Pipe		181.94	181.94			
Track	6.27	66.80	73.07			
Power	75.71	842.22	917.93			
Others	48.46	1,149.45	1,197.91			
(4) Operating Equipment:						
Rental						
Purchase		1,427.10	1,427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1,223.00	1,223.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	14.49	235.71	250.20			
Liability Insurance						
Bookkeeper App.	50.00	566.67	616.67			
Work. Comp. Ins.	79.80	231.98	311.78			
(8) Contingencies (specify):						
Freight		1.24	1.24			
				1279.12	22,355.51	23,634.63
					*- 22.03	*- 22.03
TOTALS	1,279.12	22,355.51	23,634.63	1279.12	22,333.48	23,612.60

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 5, '53 *Payee L. & P. Mining Co.
Per Stanley Larson Title Partner.

*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:
$959.34
Signature
(Authorized Certifying Officer)
Date 8/12/53 Vou. No. DMA 54-17
(See other side)

* Previous Disallowance

(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. 6-306 in accordance with the terms of the contract.

Signature L. Bolmer, #95934 Title Mining Engineer Date May 27, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature John F. Shaw for W. H. King Title Executive Officer Date AUG 7 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF 404A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 2304 Contract No. Ion-2306
Operator's Name L. & R. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.

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	21.98	0	1,647.44	40	41.19	100	
Crosscutting								
Raising	Feet	1173.73	42	8,125.04	108	28.94	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehab.		83.41		16,212.05				
TOTAL DISTRIBUTED COSTS		1279.12		20,984.53				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1,427.10				1467.10
Initial Rehabilitation and Repairs				1,223.00				1223.00
New Buildings, Improvements, etc.								22309.90
TOTAL COSTS		1279.12		23,634.63				

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

Date May 5, 1953 Operator L. & . Mining Co.

By Stanley Larson Title Partner.

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

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

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 24 1953

224 New Customhouse
Denver 2, Colorado

August 7, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306 (Tungsten), L & P Mining Company, Boulder County, Colorado-Operator's Monthly Progress Report, for the month of April 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on the findings of the final audit of the project account by an Auditor of the Contract Administration and Audit Division.

Payment of this account has been deferred in this office pending receipt of the Operator's proposal for the settlement of the Government's interest in property acquired under the contract.

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

JWT:es

cc: Contract
Sec. to the Oper. Comm. (2)✓
Chron.
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 28, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for April 1953

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

The underground progress, confined entirely to raising, is incorrectly reported on the MF-104A form and in the narrative as 42 feet and should be, according to Bolmer's measurement, 47 feet. It is of no importance except as it affects the unit costs current and to date.

The accounts, otherwise, are in order within the limit of our delegated authority to verify them. Documentation is correct, and distribution of charges between production and exploration in considered equitable.

There will be a small production resulting from the exploration, probably on the order of 50 to 60 tons, and a determination should be made regarding a certification of discovery. Operations ceased about May 23, 1953, and procedure to terminate in the usual manner under such circumstances should be taken immediately. The funds are essentially exhausted, as are the possibilities for further ore discovery.

Payment is approved and certified on the MF-104 form of $959.34, or 75 percent of the total $1,279.12 claimed by the contractor, subject to usual Region IV audit.

Wm. Traver
W. M. Traver

enclosures
WMT/dd
cc: 4
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 28, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-2306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for April 1953

Progress under the subject contract was inspected May 19, 1953, with R. L. Plummer. On that date, the raise being driven from the fifth level on the junction of the Vasco Nos. 2 and 5 veins had advanced to 47 feet above the back of the fifth level drift. Both veins were exposed in the raise to a height of about 20 feet. The No. 2 vein, not especially strong in its exposure on the fifth level, weakened appreciably with height in the raise and, at 20 feet, either died out completely or passed outside the cross section of the raise. The raise, begun in a schist intruded by pegmatite, passed into a hard black schist at 20 feet. The No. 5 vein continued to about 30 feet with about the same strength as observed on the level. It showed up to 8 inches of gouge and quartz and up to 30 feet above the drift contained an occasional spot of ferberite. Beyond 30 feet, the No. 5 vein also began to weaken and contained no tungsten mineral. This vein at the top of the raise contained 3 to 4 inches of quartz and gouge in a black schist wall rock.

The operator had become discouraged with the unpromising results of this last phase of the program, and, as the authorized funds were about exhausted, it was agreed that no further work should be undertaken. The operator immediately began salvaging the 2-inch air line along the fifth level. It was decided that the cost of removing the track along this level would exceed its salvage value. The operator anticipated that salvage of the supplies and preparation for closing the project would be completed by May 23, 1953, after which date the pumps would be pulled and the lower levels allowed to flood.

The ore opened along the 40-foot sublevel of the No. 1 raise has proved to be of very limited extent. By the date of the inspection, the split-check lessees had mined all the commercial showings above the sublevel. The ore in this section was localized in an aplite dike.

Immediately southwest of the sublevel, the vein passed out of the dike into schist and ceased to carry any mineral. The lessees stoped the ore shoot to a maximum height of 40 feet above the sublevel. The ore removed in stoping had not been shipped but was estimated by the lessees as 25 tons of screenings, averaging 1 to 2 percent WO_3, and 5 tons of coarse ore, averaging 5 to 8 percent WO_3. The operator, from his sublevel drifting, has shipped or has on hand, ready to ship, approximately 23 tons of screened ore (1.55 percent WO_3), 1 ton of coarse ore (5.60 percent WO_3), and 2 tons of sorted ore (17.60 percent WO_3). As settlement checks covering the Government's royalty have been received, a certification of the discovery probably should be made.

The operator's April report and supporting documents appear to be in order except for the progress reported in the narrative and shown on form MF-104A. Last period (March 1953), 16 feet of advance was reported in the second raise. On May 19, 1953, I measured this raise as 47 feet. The 42 feet of advance reported during April obviously is incorrect.

The costs incurred this period appear reasonable and just. The only charges common to exploration and production for the period April 20-30, 1953, were electrical power and wages of the hoistman. During this period 63 cars of exploration waste and 50 cars of ore were hoisted. Only one half of the hoistman's wages for the period April 16-30, 1953, and only $75.71 of the total power cost of $133.57 were charged to the project.

The total incurred costs reported this period, $1,279.12, are approved. Government participation in this amount should be 75 percent, or $959.34.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/dd

cc 6
E306
Chron.

Contract No.
Idm-E 306

Docket No.
IMA-IMBA 2304

DESCRIPTION OF PROGRESS

APRIL 1st., 1953

TO

APRIL 30th., 1953

DRILLED AND SHOT RAISE NO. 2 UP 42 FEET FROM TRACK LEVEL. TIMBER RAISE. AIR CONDITIONS VERY BAD IN RAISE. ROCK FORMATION IS IN BLACK SHEET. SMALL SPOTS OF ORE SHOWING IN NO. FIVE VEIN. NO. TWO VEIN IS VERY WEAK.

DATE	WASTE	ORE
4-20	6	8
4-21	10	8
4-22	5	8
4-23	8	10
4-24	8	3
4-25	7	6
4-26	0	0
4-27	6	3
4-28	8	2
4-29	5	2
4-30	0	0
Total	63 Cars	50 Cars

L. & P. MINING CO.

BY Stanley Larson
PARTNER.

725 W. 39th. Ave. — L. & P. MINING CO. — DENVER, COLO.

APRIL 1st., 1953 to APRIL 15, 1953

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
Robt. Plummer	Miner	8	8	8	8	8	8	8	8	8	8	0	0	8	8	8	8	2.25 OT	
																	88	1.50	$150.00
Frank McConaha	Trammer	8	8	8	8	0	8	8	8	8	0	0	0	8	4	0	8	2.250T	
																	68	1.50	$120.00
Dale Brines	Hoistman	8	8	8	8	0	8	8	8	8	8	0	0	8	8	8	8	2.250T	
																	88	1.50	$150.00
Chas. Catelli	Miner	0	0	8	8	0	8	8	8	8	8	0	0	8	8	8	8	2.250T	
																	72	1.50	$126.00
																			$546.00

APRIL 16th., 1953 to APRIL 30, 1953

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL HRS.	RATE	AMOUNT
Robt. Plummer	Miner	8	8	8	0	8	8	8	8	8	8	0	8	8	8	8	16	2.250T	
																	88	1.50	$168.00
Dale Brines	Hoistman	8	8	8	0	8	8	8	8	8	8	0	0	0	0	0	16	2.250T	
																	56	1.50	$120.00
Chas. Castelli	Miner	8	8	8	0	8	8	8	8	8	8	0	8	8	8	8	16	2.250T	
																	88	1.50	$168.00
Wm. Hughs	Trammer	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	16	1.50	$ 24.00
																			$480.00

Social Security Deducted:

Robt. Plummer	1st. Half	$2.25	
	2nd. Half	$2.52	$ 4.77
Frank McConaha	1st. Half		$ 1.80
Dale Brines	1st. Half	$2.25	
	2nd. Half	$1.80	$4.05
Chas. Castelli	1st. Half	$1.89	
	2nd. Half	$2.52	$ 4.41
Wm. Hughs	2nd. Half		$ 0.36
	Total- - - - - - - - -		$15.39

I certify that the above is a true and correct copy of payroll for April 1953

Clyde M. Lundin

APRIL 1953

	Labor	Explosives	Power	Track	Others	Work Comp Ins	Payroll Taxes	Bookkeeper		Total
Payroll - 4/1 - 4/15	64.00									64.00
4/16 - 4/30 *	48.00									48.00
Public Service Co. of			11.57							11.57
Industrial Eng.		39.39		1.27	6.08					46.74
R. A. Friedman					2.38					2.38
Bookkeeper April								50.00		50.00
Payroll Taxes 1½% of 108.00							1.59			1.59
Hetzer Mines						79.80				79.80
	108.00	39.39	11.57	1.27	8.46	79.80	1.59	50.00		298.08
* 1/60 of Time of Dale Brewer 2nd Half Not Charged To Govt	(4.00)						(.09)			(4.09)
** 1/3 Power Not Charged To Govt			(3.86)							(3.86)
	104.00	39.39	7.71	1.27	8.46	79.80	1.49	50.00		290.12

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

MAY 11 1953

Month of March, 1953 Docket No. DMEA 2304 Contract No. 10m-P306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 38th. Ave., Denver, 16, Colo.
Contract Amount, $ 25,000.00 Government Participation: 75 % Amount, $ 18,750.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1455.00	14,258.26	15,713.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	11.92	314.44	326.36			
Explosives	24.12	151.26	175.38			
Pipe	80.72	101.22	181.94			
Track	3.16	63.64	66.80			
Power	114.37	727.85	842.22			
Others	70.03	1079.42	1149.45			
(4) Operating Equipment:						
Rental		1427.10				
Purchase		1727.10	1427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1223.00	1223.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	21.83	213.88	235.71			
Liability Insurance						
Bookkeeper Mar	50.00	516.67	566.67			
Work.Comp. Ins.		231.98	231.98			
(8) Contingencies (specify):						
Freight		1.24	1.24			
				1831.15	20,524.36	22,355.51
					*-22.03	*-22.03
TOTALS	1831.15	20,524.36	22,355.51	1831.15	20,502.33	22,333.48

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

Date Apr. 6, '53 *Payee L. & P. Mining Co.

Per Stanley Larson Title Partner

*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:

$1373.36

Signature
(Authorized Certifying Officer)

Date 5/6/53 Vou. No. DMA 53-133

(See other side)

* Previous Disallowance

(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-306 in accordance with the terms of the contract.

Signature [illegible] #1373.36 Title Mining Engineer Date April 17, 1953

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

Signature W. H. King Title Executive Officer Date APR 30 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 11 1953

Month of March 1953 Docket No. DMEA 2304 Contract No. Im-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 E. 39th. Ave., Denver, 16, Colo.

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			1625.46	40	40.63	100	
Crosscutting								
Raising	Feet	231.33	16	1951.31	66	29.57	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rent.		1599.82		16128.64				
TOTAL DISTRIBUTED COSTS		1831.15		19705.41				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1427.10				1467.10
Initial Rehabilitation and Repairs				1223.00				1223.00
New Buildings, Improvements, etc.								22309.90
TOTAL COSTS		1831.15		22355.51				

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

Date Apr. 7, '53 Operator L. & P. Mining Co.

Per Stanley Larson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

224 New Customhouse
Denver 2, Colorado

April 30, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 2 and 5 Mines), Boulder County, Colorado. Operator's Monthly Progress Report for the period March 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report	April 6, 1953.
Date Received in Field Office	April 8, 1953.
Date Received in Region Office	April 29, 1953.
Date Processed for Payment	April 30, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 27, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-R306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colo. - Progress report for March 1953

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

The underground progress--fifth level rehabilitation, 179 feet including track, and raising, 16 feet--is correctly reported in the narrative and on the MF-104A form.

Entries are properly made on the reporting forms, and the accounts with supporting documentation are verified within the limits of our delegated authority. Work conforms with the terms of the contract and amendments.

Payment is approved and certified on the MF-104 form of $1,373.36, or 75 percent of the total $1,831.15 claimed by the contractor, subject to the usual Region IV audit.

W. M. Traver

W. M. Traver

enclosures

WMT/amh

cc: 4
R306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 27, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-K306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colo. - Progress report for March 1953

Progress under the subject contract was inspected April 16, 1953. The progress reported in the operator's narrative and shown on form MF-104A--rehabilitation of the last 179 feet of the fifth level and 16 feet of raising on the junction of the Vasco Nos. 2 and 5 veins--is correct and is allowable under the contract.

The operator's accounts and supporting documents for the period have been reviewed and appear to be in order. Service and supply costs incurred are considered necessary and not excessive. All costs reported are substantiated and are distributed correctly on the MF-104 form. Costs totaling $1,831.15 for the period have been reported and are approved; reimbursement to the operator of 75 percent of the approved amount is recommended.

Scotter Hogen Jr
for R. L. Bolmer
Mining Engineer

RLB/mmh

cc: 6
K306
DMEA Chron.

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS

MARCH 1st., 1953

TO

MARCH 31st., 1953

WORK DONE ON VASCO #5 FIFTH LEVEL. CLEAN AND REPAIRED LEVEL ONE HUNDRED AND SEVENTY NINE FEET. THE TOTAL DISTANCE FROM RAISE NO. 1 IS 414 FEET TO BREST. STARTED RAISE NO. 2 DRILLED AND SHOT 16 FEET IN RAISE.

LAID 179 FEET TRACK.

L. & P. MINING CO.

BY Stanley Larson
Partner.

March 1953

1	2	3						7		
	Labor	Timber	Explosives	Power	Others	Track	Pipe	Rental Fees	Expenses	Total
Payroll 3/1 - 3/15	2000									2000
3/16 - 3/31	2000									2000
G. L. Fuller Lumber		1112								1112
Public Sea Co				1187						1187
Lindstrom Eng			492		263	516	1512			2783
Tom C Stanford							1500			1500
Burroughs Mer									200	200
Payroll Taxes										
1/2 of Timber								2112		2112
	14000	1112	492	1187	263	516	3012	2112	200	21915
Railroad Repairs		Pont 457				457				
Miscellaneous		Pont 225			300	1478				
Pioneer -										
207 yd. gravel	1320									
	1773.20									

L. & P. MINING CO.

725 W. 39th. Ave. — Denver, Colo.

MARCH 1st., TO MARCH 15th., 1953

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
Robt. Plummer	Hoistman	0	8	8	8	8	8	8	0	8	8	8	8	8	8	0	16 80	2.250T 1.50	$156.00
Paul Hodel	Miner	0	8	8	8	8	8	8	0	0	0	8	8	8	8	0	16 64	2.250T 1.50	$132.00
Frank McConaha	Mucker	0	8	8	8	8	8	8	0	8	8	8	8	8	8	0	16 80	2.250T 1.50	$156.00
Austin Elmver	Trammer	0	8	8	8	4	0	0	0	0	0	0	0	0	0	0	28	1.50	$ 42.00
Dale Brines	Miner	0	8	8	8	8	8	8	0	8	8	8	8	8	8	0	16 80	2.2 50T 1.50	$156.00
Marian Ryplewski	Trammer	0	0	0	0	0	4	8	0	8	8	8	8	8	0	0	8 44	2.250T 1.50	$ 84.00
																			$726.00

MARCH 16th., TO MARCH 31st., 1953

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HRS.	RATE	AMOUNT
Robt. Plummer	Hoistman	8	8	8	8	8	8	0	8	8	8	8	8	8	0	8	8	16 96	2.250T 1.50	$180.00
Paul Hodel	Miner	8	8	0	8	8	8	0	8	8	8	8	8	0	0	0	0	8 72	2.250T 1.50	$126.00
Frank Mc Conaha	Mucker	8	8	8	8	8	0	0	0	8	8	8	8	8	0	8	8	8 88	2.250T 1.50	$150.00
Dale Brines	Miner	8	8	8	8	8	8	0	8	8	8	8	8	8	0	8	8	16 96	2.250T 1.50	$180.00
Marian Ryplewski	Trammer	8	8	8	8	8	8	0	8	2	0	0	0	0	0	0	0	8 50	2.250T 1.50	$ 93.00
																				$729.00

Social Security Deducted:

Robt. Plummer	1st. Half	$2.34	
	2nd. Half	$2.70	$ 5.04
Paul Hodel	1st. Half	$1.98	
	2nd. Half	$1.89	$ 3.87
Frank McConaha	1st. Half	$2.34	
	2nd. Half	$2.25	$ 4.59
Austin Elmver	1st. Half	$0.63	$ 0.63
Dale Brines	1st. Half	$2.34	
	2nd. Half	$2.70	$ 5.04
Marian Ryplewski	1st. Half	$1.26	
	2nd. Half	$1.40	$ 2.66
	Total		$21.83

I cerify that the above is a true and correct copy of payroll for March 1953.

Clyde M. Lumsden

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

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

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

Month of February, 1953 Docket No. DMEA 2304 Contract No. Icm-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 E. 39th. Ave., Denver, 16, Colo.
Contract Amount, $25,000.00 Government Participation: 75 % Amount, $18,750.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1530.00	12,728.26	14,258.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	59.42	255.02	314.44			
Explosives	24.14	127.12	151.26			
Pipe		101.22	101.22			
Track		63.64	63.64			
Power	162.37	565.46	727.83			
Others	65.25	994.17	1079.42			
(4) Operating Equipment:						
Rental						
Purchase		1427.10	1427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1233.00	1233.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	22.95	190.93	213.88			
Liability Insurance						
Bookkeeper Fee.	50.00	466.67	516.67			
Work Comp. Inc.		231.98	231.98			
(8) Contingencies (specify):						
Freight		1.24	1.24			
				1934.13	18,590.23	20,524.36
TOTALS	1934.13	18,590.23	20,524.36	*-22.03		*-22.03
				1912.10	18,590.23	20,502.33

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

Date Mar. 7, '52 *Payee L. & P. Mining Co.

Per Stanley Larson Title Partner.

*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:

$ 1434.07

Signature
(Authorized Certifying Officer)

Date 4-6-53 Vou. No. DMA 53-116

(See other side)

* Per DMEA Auditors report

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-206 in accordance with the terms of the contract.

Signature R. L. Bolney, $1450.60 Title Min. Engr Date May 25, 1953

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

Signature _____ Title Executive Officer Date APR 1 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-10
(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 February 1953 Docket No. DMEA 2304 Contract No. Idm-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.

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	648.14	10	1625.46	40	40.63	100	
Crosscutting								
Raising	Feet			1719.98	50	34.40	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehab.		1285.99		14526.82				
Total Distributed Costs		1934.13		17874.26				Total Costs Authorized by Contract
Operating Equipment Purchased				1427.10				1467.10
Initial Rehabilitation and Repairs				1223.00				(1223.00
New Buildings, Improvements, etc.								(22309.90
Total Costs		1934.13		20524.36				

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

Date Mar. 7, 1953 Operator L. & P. Mining Co.

Per Stanley Larson Title Partner.

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

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

Administrative Audit Difference Statement

Date: April 6, 1953
Payee's
Reference: Progress Report - February, 1953

L & P Mining Co.
725 W. 39th Ave.
Denver 16, Colorado
I-DMA-E-306

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

Amount Claimed	$ 1,934.13
Difference	$ 22.03
Amount Approved	$ 1,912.10

The reason for the difference was due to:

Interim Audit Report disallows "other supplies"		
Roofing material (not in contract)	5.49	
Item identified as "X Factory"	5.31	
Telegram	1.75	
"Personal Item" $16.00 - tax	.32	
		$12.87
Repairs to Compressor in excess of contract		9.16
		$22.03

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

April 1, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-M306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 3 Mines), Boulder County, Colorado. Operator's Monthly Progress Report for the period February 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions in conformance with the Interim Audit Report by the Contract Administration and Audit Division dated March 3, 1953.

Operating Materials and Supplies - Other	$12.87	
Repairs to Equipment	9.16	
Total Deduction		$22.03

Remarks:

Date of Report	March 7, 1953.
Date Received in Field Office	March 9, 1953.
Date Received in Region Office	March 27, 1953.
Date Processed for Payment	March 31, 1953.

W. H. King
W. H. King

Enclosures
RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 26, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-R306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for February 1953

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

Protective long-hole drilling, advance of the sublevel, and fifth level rehabilitation to 235 feet from raise 1 with timbering 25 feet and track laying 35 feet, are correctly reported in the narrative.

The accounts, entries on the reporting forms, and documentation are verified within the limits of our delegated authority and are in conformance with the terms of the contract.

Payment is approved and certified on the MF-104 form of $1,450.60, or 75 percent of the total $1,934.13 claimed by the contractor, subject to usual Region IV audit.

W. M. Traver

W. M. Traver

enclosures

WMT/eb

cc 4
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 26, 1953

Memorandum

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

From: R. L. Bolmer

Subject DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 Mines), Boulder County, Colorado - Progress report for February 1953

Progress under the subject contract was inspected March 20, 1953, with R. L. Plummer. The progress as reported in the operator's narrative is correct. On the date of inspection the fifth level southwest of the No. 5 shaft had been rehabilitated to its breast, a distance of approximately 716 feet from the shaft. The operator will commence raising on the No. 2 vein which was exposed about 35 feet back of the breast of the fifth level. The breast of the sublevel still contains mineral and a few rounds probably will be advanced towards the southwest.

The operator's progress report for February 1953 has been checked and appears in order. The documented costs claimed this period are considered justified and are approved in their full amount.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/eb

cc 6
E306
DMEA Chron

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS.

FEBRUARY 1st., 1953

TO

FEBRUARY 28th., 1953

DRILLED AND SHOT 10 FEET, IN SUB-LEVEL. DRILLED FOUR LONG HOLES 35 FEET DEEP LOOKING FOR WATER IN WINZE.

CLEANED LOWER FIVE LEVEL BACK TO 235 FEET FROM RAISE NO. 1. LAID 35 Feet TRACK. TIMBERED LEVEL 25 FEET. HELD WATER DOWN IN NO. 2 SHAFT.

L. & P. MINING CO.

BY Stanley Larson
PARTNER.

725 W. 39th. Ave.

L. & P. MINING CO.

Denver, Colo.

February 1st., to February 15th., 1953

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
		0						8	0						8	0	16	2.250T	
Robt. Plunger	Heintman		8	8	8	8	8			8	8	8	0	8			72	1.50	$144.00
		0						0	0						0	0			
Frank Bauer	Trammer		0	8	8	8	0			0	0	0	0	0			24	1.50	$ 36.00
		0						8	0						8	0	16	2.250T	
Paul Nobel	Miner		8	8	8	8	8			8	8	8	8	8			80	1.50	$156.00
		0						8	0						8	0	16	2.250T	
Frank McConaha	Mucker		8	8	8	8	0			0	8	8	8	8			64	1.50	$132.00
		0						8	0						8	0	16	2.250T	
Austin Flaver	Trammer		8	8	8	8	8			8	8	8	8	8			80	1.50	$156.00
		0						8	0						8	0	16	2.250T	
Dale Brines	Miner		0	8	8	8	8			8	8	8	0	8			64	1.50	$132.00
																			$756.00

February 16th., to February 28th., 1953.

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL HRS.	RATE	AMOUNT
							8	0						8	16	2.250T	
Robt. Plunger	Heintman	8	8	8	8	8			8	8	8	8	8		80	1.50	$156.00
							8	0						0	8	2.250T	
Frank Bauer	Trammer	0	0	0	0	8			0	0	0	0	0		8	1.50	$ 30.00
							8	0						8	16	2.250T	
Paul Nobel	Miner	8	8	8	8	8			8	8	8	8	8		80	1.50	$156.00
							8	0						8	16	2.250T	
Frank McConaha	Mucker	8	8	8	8	8			8	8	8	8	8		80	1.50	$156.00
							8	0						8	16	2.250T	
Austin Flaver	Trammer	0	0	8	8	8			8	8	8	8	0		56	1.50	$120.00
							8	0						8	16	2.250T	
Dale Brines	Miner	8	8	8	8	8			8	8	8	8	8		80	1.50	$156.00
																	$774.00

Social Security Deductes:

Dale Brines	1st. Half	$1.98	
	2nd. Half	$2.34	$ 4.32
Total Deductes			$22.95

Robt. Plunger	1st. Half	$2.16	
	2nd. Half	$2.34	$ 4.50
Frank Bauer	1st. Half	$0.54	
	2nd. Half	$0.45	$ 0.99
Paul Nobel	1st. Half	$2.34	
	2nd. Half	$2.34	$ 4.68
Frank McConaha	1st. Half	$1.98	
	2nd. Half	$2.34	$ 4.32
Austin Flaver	1st. Half	$2.34	
	2nd. Half	$1.80	$ 4.14

I Certify that the above is a true and correct copy of payroll for February 1953.

Clyde H. Lumsden

Payroll [illegible]									[illegible]
[illegible]									[illegible]
Public Service Co.									[illegible]
G. L. Franklin Lumber Co.									[illegible]
Industrial Ins. & Surety									[illegible]
Al Specht									[illegible]
Bookkeeper Fee								50.00	50.00
Payroll Taxes									
1.5% of $1500.00							22.50		22.50
							[illegible]	[illegible]	[illegible]

Direct Labor:

McCowan -	7800
Hazel -	2100
Bruce -	2100
Brown -	2100
1st Half -	$ 31200
2nd -	31200
	$ 62400

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 1953

Month of January 1953 Docket No. DMEA 8304 Contract No. I 953-36
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 765 Tejon Ave., Denver, 36, Colo.
Contract Amount, $18,000.00 Government Participation: 75 % Amount, $13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1584.00	11,184.86	12,768.86			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		255.00	255.00			
Explosives	36.20	90.92	127.12			
Pipe		101.22	101.22			
Track		63.64	63.64			
Power	99.97	465.51	565.48			
Others	87.89	946.28	994.17			
(4) Operating Equipment:						
Rental						
Purchase		1,427.10	1,427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1,823.00	1,823.00			
(7) Miscellaneous:						
Repairs to Equipment		213.40	213.40			
Sampling and Analysis						
Payroll Taxes	23.76	167.17	190.93			
Liability Insurance						
Bookkeeper Jan.	50.00	416.67	466.67			
Work Comp. Ins.		231.98	231.98			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	1841.82	16,748.41	18,590.23	1841.82	16748.41	18590.23

This one must have been amended to give more $. Looks like over-expenditure

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

Date Feb. 9, 1953 *Payee L. & P. Mining Co.

Per Stanley Larson Title Partner

*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:

$1381.37

Signature [illegible]
(Authorized Certifying Officer)

Date 3/2/53 Vou. No. DMA 53-103

(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. 8-320 in accordance with the terms of the contract.

Signature D. Dolney, $1381.37 Total Title Mining Engineer Date Feb. 20, 1953

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

Signature W. H. King Title Executive Officer Date FEB 26 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

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

Month of January 1953 Docket No. DMEA 2304 Contract No. Dm-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 N. 30th. Ave., Denver, 16, Colo.

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	672.80	8	977.38	30	32.58	100	
Crosscutting								
Raising	Feet			1719.96	50	34.40	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehab.		1169.62		13548.65				
TOTAL DISTRIBUTED COSTS		1841.62		15590.13				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1427.10				1,666.40
Initial Rehabilitation and Repairs				1223.00				14,834.40
New Buildings, Improvements, etc.								1,700.00
TOTAL COSTS		1841.62		18590.23				18,000.00

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 Feb. 9, 1953 Operator L. & P. Mining Co.

Per Stanley Lamm Title Partner.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

March 1949 New Customhouse
Denver 2, Colorado

February 26, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-2306 (Tungsten) L. and P. Mining Company (Vasco No. 2 and 5 Mine) Boulder County, Colorado - Operator's Monthly Progress Report for the period of January, 1953.

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report - February 9, 1953
Date Received in Field Office - February 19, 1953
Date Received in Region Office - February 25, 1953
Date Processed for Payment - February 25, 1953

W. H. King
W. H. King

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region 3 8

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

Memorandum

TO: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and F. Mining Company (Vasco No. 2 and 5 mines), Boulder County, Colorado - Progress report for January 1953

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

Sublevel advance of 8 feet, main level rehabilitation, and long-hole protection drilling are correctly reported in the narrative and on the MF-104A form. Description of the safety measures taken with the approval of the State Commissioner of Mines is fully covered in the inspecting engineer's memorandum. The accounts are verified within the limits of the authority delegated to the inspector and the report conforms in all respects with the terms of the contract.

Payment is approved and certified on the MF-104 form of $1,381.37, or 75 percent of the total $1,841.82 claimed by the contractor, subject to usual Region IV audit.

W. M. Traver

W. M. Traver

enclosures

cc 4
E306
DMEA Chron

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 2 and 5 mines), Boulder County, Colorado - Progress report for January 1953

Progress under the subject contract was inspected February 16-17, 1953, with R. L. Plummer. Rehabilitation of the fifth level was continued during the period as reported and the sublevel was advanced 8 feet for a total of 28 feet. Eight long holes (20 to 41 feet in length) were drilled up from the sublevel in an attempt to tap the water in the Williams winze. The attempt was not successful and the operator, therefore, installed a pump in the Vasco No. 2 shaft and began lowering the water. On the date of inspection, water in the No. 2 shaft had been lowered below the 100-foot level. A run of stope fill on this level prevented access to the collar of the winze; however, the operator, from an inspection of the level when it was accessible several days previous, confirmed the winze to be full of water.

If the water in the No. 2 shaft is kept below the 100-foot level, it is agreeable with the State Commissioner of Mines for the operator to continue sublevel drifting under the winze. The operator, however, will be required to keep three, 20-foot drill holes fanned out ahead of the breast.

Rehabilitation of the fifth level had progressed 485 feet southwest of the No. 5 shaft on the date of inspection.

The work performed this period conforms to the terms of the contract and with specific instructions of the Field Team representatives in regard to the unusual conditions encountered. The work accomplished has been shown correctly on form MF-104A. The operator has included the cost of long-hole drilling from the sublevel with the cost of drifting as per instructions.

The supply and service costs incurred this period, and shown distributed on form MF-104, are considered necessary and not excessive. The costs shown are substantiated by the required documentation and are approved. Payment of 75 percent of the costs claimed in the operator's January report is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
E306
DMEA Chron

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS.

JANUARY 1st., 1953

TO

JANUARY 31st., 1953

CLEANED OUT LEVEL 42'. TIMBERED AND LAID TRACK IN LEVEL 42'. REMOVED ALL OLD TIMBER ALONG TRACK TO SATISFY MINE INSPECTOR. DRILLED AND SHOT SUB-LEVEL 8 FEET. DRILLED LONG HOLES IN WALL LOOKING FOR WINZES ABOVE AND WATER. ROCK VERY HARD, NO WATER WAS FOUND WITH LONG HOLES. THEY WERE DRILLED UP 41'. INSTALLED PUMP IN #2 SHAFT AND LOWERED WATER 21'.

L. & P. MINING CO.

BY Stanley Larson
Partner.

L. & P. MINING CO.

725 W. 39th. Ave. — Denver, Colorado

JANUARY 1st., to JANUARY 15th., 1953.

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
				8	0						8	0					16	2.25 OT	
Robert Plumer	Helper	0	8			8	8	8	8	8			8		8	8	80	1.50	$ 155.00
				8	0						8	0					16	2.25OT	
Frank Bauer	Trammer	0	8			8	8	8	8	8			8		8	8	80	1.50	$ 155.00
				8	0						8	0					16	2.250T	
Paul Bodel	Miner	0	8			8	8	8	8	8			8		8	8	80	1.50	$ 155.00
				8	0						8	0					16	2.250T	
Frank McCombs	Mucker	0	8			8	8	8	8	8			8		8	8	80	1.50	$ 155.00
				8	0						8	0					16	2.250T	
Austin Elder	Trammer	0	8			8	8	0	8	8			8		8	8	72	1.50	$ 144.00
																			$ 768.00

JANUARY 16th., to JANUARY 31st., 1953.

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HRS.	RATE	AMOUNT
			8	9						8	0						8	24	2.250T	
Robert Plumer	Helper	8			8	8	8	8	8			0	8	8	8	8		80	1.50	$ 174.00
			8	0						8	0						8	24	2.250T	
Frank Bauer	Trammer	8			8	8	8	8	8			0	0	8	8	8		72	1.50	$ 162.00
			8	0						8	0						8	24	2.250T	
Paul Bodel	Miner	8			8	8	8	8	8			0	0	8	8	8		72	1.50	$ 162.00
			8	0						8	0						8	24	2.250T	
Frank McCombs	Mucker	8			8	8	8	8	8			8	0	0	8	8		72	1.50	$ 162.00
			8	0						8	0						0	16	2.250T	
Austin Elder	Trammer	8			8	8	8	8	8			8	8	8	8	0		80	1.50	$ 156.00
																				$ 816.00

Social Security Deducted:

Robert Plumer	1st. Half	$2.34	
	2nd. Half	$2.61	$ 4.95
Frank Bauer	1st. Half	$2.34	
	2nd. Half	$2.43	$ 4.77
Paul Bodel	1st. Half	$2.34	
	2nd. Half	$2.43	$ 4.77
Frank McCombs	1st. Half	$2.34	
	2nd. Half	$2.43	$ 4.77
Austin Elder	1st. Half	$2.16	
	2nd. Half	$2.34	$ 4.50
			$23.76

I certify that the above is a true and correct copy of payroll for January 1953.

Clyde M. Lumsden

	Labor	Material	Equipment	Subcontract				Payroll Taxes	Bookkeeper	Total
Payroll 1/15 to 1/21	[illegible]									[illegible]
1/22 to [illegible]	[illegible]									[illegible]
Public Service Co			[illegible]							[illegible]
[illegible] Equipment		[illegible]		[illegible]						[illegible]
Bookkeeper Jan									[illegible]	[illegible]
Payroll Taxes -										
1099 & 1096's								[illegible]		[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]

Directors Fees

[illegible] [illegible]

[illegible] [illegible]

We should tell King we approve of his safety measures.

WSM
2/9/53

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

224 New Customhouse
Denver 2, Colorado

January 27, 1953

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 2304, Contract Idm-E306 (Tungsten) L. and P. Mining Co. (Vasco No. 2 and No. 5 Mines) Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of December, 1952, pertaining to DMA Docket 2304, Contract Idm-E306, L. and P. Mining Co.

W. H. King
W. H. King

Enclosures

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

[illegible] New Customhouse
Denver 2, Colorado

January 21, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-R306 (Tungsten) L. and P. Mining Co. (Vasco No. 2 and No. 5 Mines) Boulder, County, Colorado - Operator's Monthly Progress Report for the period of December, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Amendments are being processed to extend the completion date and also to allow more funds to this contract. Timber charges which are substantiated by bills dated as far back as August 27, 1952 are passed for payment pending an audit of the subject contract in the near future.

Remarks:

Date of Report - January 6, 1953
Date Received in Field Office - January 12, 1953
Date Received in Region Office - January 20, 1953
Date Processed for Payment - January 21, 1953

W. H. King
W. H. King

Enclosures

RDB:ec

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
January 19, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMMA 2304, Contract Idm-2306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for December 1952

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

Bolmer's memorandum describes the hazardous conditions existent at the operation on the date of inspection, of which you have already been advised verbally, and the measures we have taken for their correction. Work has been stopped on the sublevel except for long-hole drilling, and rehabilitation is being continued on the main Vasco No. 5 level.

The underground work is correctly reported in the operator's narrative and on the MF-104A form. Documentation substantiates the entries on the MF-104 form and the report is approved. We are not attempting to prove the correctness of back Workmen's Compensation Insurance claimed.

Payment is approved of $1,586.51, or 75 percent of the total $2,115.35 claimed by the contractor, subject to your and the Audit and Accounts Section's further audit.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh

cc: 4
2306
DMMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
January 19, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMRA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco Nos. 2 and 5 mines), Boulder County, Colorado - Progress report for December 1952

Progress under the subject contract was inspected January 12, 1953, with W. H. Chapman, State Mine Inspector, and R. L. Plummer. On the date of inspection, the fifth level rehabilitation had progressed approximately 442 feet southwest from the No. 5 shaft. During this period a sublevel drift was begun southwest off the raise at a point 41 feet above the fifth level track. On the date of inspection, this sublevel had been advanced 28 feet from the raise. Ferberite ore was exposed along the No. 5 vein for the full length of the drift. The vein in the last 6 to 8 feet of the drift contained 18 to 24 inches of good grade ore and the quantity of water from the vein at this location has about doubled.

The water level in the Vasco No. 2 shaft measures 75 feet below the collar. The 100-foot level off this shaft, therefore, is under 25 feet of water and the Williams winze workings (a series of winzes and sublevels extending about 100 feet below the level and in an approximate location above the fore-mentioned sublevel) also is under water. The accuracy of the old mine maps and the actual extent of the winze workings is questionable. The old 30-foot raise from the fifth level of the No. 5 mine, which the contractor advanced 50 feet, should have connected with the Williams winze and thereby drained the water and provided through ventilation. The sublevel being driven by the operator is estimated as being within 50 feet of the flooded winze and there is the possibility that the winze workings are more extensive than shown on the old maps.

As a safety measure, the operator was instructed to stop all advance on the sublevel until the water hazard existing in the Williams winze workings had been eliminated. Permission was given to continue rehabilitation of the fifth level.

The operator was instructed to obtain the necessary equipment for drilling long holes from the raise or the sublevel to tap the water. The State Mine Inspector concurred with these instructions. It probably will be necessary to fan out several 40- to 50-foot holes before the old workings are located.

The State Mine Inspector was also concerned about the electrical installations of the underground hoist station at the No. 5 shaft. The station is wet and cramped and a 440-volt power line, transformers, switches, and other electrical circuits are within arm's reach of the hoist operator. As the Bureau of Mines did not have qualified personnel immediately available to inspect the installation, the Public Service Company of Colorado has been requested to perform an inspection and to make recommendations. The operator indicated that efforts would be made to comply with any such recommendations.

Such work in the interest of safety is considered necessary. The subject contract is interpreted as allowing the costs of such work and the operator was so informed.

The work performed this period conforms to the terms of the contract and has been reported correctly on form MF-104A. The supply and service costs incurred this month and claimed on form MF-104 are considered necessary and do not appear excessive. The incurred costs have been substantiated by the required documentation and are approved. Payment of 75 percent of these incurred costs, as claimed, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc: 6
E306
DMEA Chron.

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

Month of December, 1952 Docket No. DMEA 2304 Contract No. 1306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.
Contract Amount, $ 18,000.00 Government Participation: 75 % Amount, $ 13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1608.00	9536.26	11,144.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	29.21	225.81	255.02			
Explosives		90.92	90.92			
Pipe		101.22	101.22			
Track	6.22	57.42	63.64			
Power	147.17	318.34	465.51			
Others	* 18.65	*927.63	946.28	*Corrected Prev. Total		
(4) Operating Equipment:						
Rental						
Purchase		1427.10	1427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs				$5.49 in Nov. to Others		
(6) New Bldgs., Improvements, etc.		1223.00	1223.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	24.12	143.05	167.17			
Liability Insurance						
Bookkeeper Dec.	50.00	366.67	416.67			
Work Comp. Ins.	231.98	-0-	231.98			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	2115.35	14,633.06	16,748.41	2115.35	14,633.06	16,748.41

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

Date Jan. 6, 1953 Payee L. & P. Mining Co.

Per Stanley Larson Title Partner

*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:

$ 1586.51

Signature [illegible]
(Authorized Certifying Officer)

Date 1/23/53 Vou. No. DMA 53-87
(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-306 in accordance with the terms of the contract.

Signature [illegible] $1586.51 Title Mining Engineer Date Jan. 16, 1953

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

Signature W. H. King Title Executive Officer Date JAN 21 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Dec. 1952 Docket No. DMEA 2304 Contract No. Idm-E306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.

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	305.12	22	305.12	22	13.86	100	
Crosscutting								
Raising	Feet			1719.98	50	34.40	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehab.		1810.23		12,073.21* Correction				
TOTAL DISTRIBUTED COSTS		2115.35		14,098.31				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1427.10* Correction				1,865.40
Initial Rehabilitation and Repairs				1223.00* Correction				14,434.40
New Buildings, Improvements, etc.								1,700.00
TOTAL COSTS		2115.35		16,748.41				18,000.00

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 Jan. 6, '53 Operator L. & P. Mining Co.
Per J. Conley Larson Title Partner

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

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS.

DECEMBER 1st., 1952

TO

DECEMBER 31st., 1952

CLEANED AND REPAIRED LOWER LEVEL SEVENTY FOUR FEET. GROUND CONDITION ARE VERY HEAVY, TIMBER IS ALL DOWN AND HAS TO BE REPLACED.

INSTALLED SEVENTY FIVE FEET OF TRACK. STARTED SUB-LEVEL OFF RAISE. DRIFTED TWENTY TWO FEET SOUTHEAST.

ORE SHOWING IN BACK OF DRIFT ALL THE WAY.

L. & P. MINING CO.

BY Stanley Larson
PARTNER.

	Labor	Tools	Trans	Stores	Truck		Equipment Rental	Federal Taxes	Bookkeeping	Total
Payroll 10/1 to 10/15	9400									9400
10/16 to 10/31	7200									7200
Public Service Co. Aug			1200							1200
Pa. Tax			2.77							2.77
B. A. Friedman				1461						1461
Public Service Co.				5.61						5.61
G. L. Foster Lumber		1981								1981
Tennessee Gas Supply				1.03		1.00				2.03
Hertz Mach. Tools							1.00.00			1.00.00
Bookkeeping Svc									600	600
Payroll Taxes 1/2 of Wages								2412		2412
	16600	1981	1202.77	1466.64		1.00	1.00.00	2412	600	21165.35

Dr. Tax Charge

Bank of Pa. Hotel

Deposit Charge

L. & P. MINING COMPANY

725 W. 39th. Ave. — Denver, Colo.

PAYROLL

DECEMBER 1st., to DECEMBER 15th., 1952

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
							8	0						8	0		16	2.250T	
Robert Plummer	Hoistman	8	8	8	8	8			8	8	8	8	8			8	88	1.50	$168.00
							8	0						8	0		16	2.250T	
Frank Bauer	Trammer	8	8	8	8	8			8	0	0	8	8			8	72	1.50	$144.00
							8	0						8	0		16	2.250T	
Paul Hodel	Miner	0	0	0	0	8			8	8	8	8	8			8	56	1.50	$120.00
							8	0						8	0		16	2.250T	
Frank McConaha	Mucker	8	8	8	8	8			8	8	8	8	8			8	88	1.50	$168.00
							8	0						8	0		16	2.250T	
Austin Elmer	Trammer	8	8	8	8	8			8	8	8	8	8			8	88	1.50	$168.00
							0	0						0	0				
Alton Cole	Mucker	8	8	8	4	0			0	0	0	0	0			0	28	1.50	$ 42.00
																			$810.00

DECEMBER 16th., to DECEMBER 31st., 1952

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HRS.	RATE	AMOUNT
						8	0						8	0				16	2.250T	
Robert Plummer	Hoistman	8	8	8	8			8	8	8	0	8			8	8	8	88	1.50	$168.00
						8	0						8	0				16	2.250T	
Frank Bauer	Trammer	8	8	8	8			4	8	8	0	8			8	8	8	84	1.50	$162.00
						8	0						8	0				16	2.250T	
Paul Hodel	Miner	8	8	8	8			8	8	8	0	8			8	8	8	88	1.50	$168.00
						8	0						0	0				8	2.250T	
Frank Mc Conaha	Mucker	8	8	8	8			8	8	4	0	0			8	8	8	76	1.50	$132.00
						8	0						8	0				16	2.250T	
Austin Elmer	Trammer	8	8	8	8			8	8	8	0	8			8	8	8	88	1.50	$168.00
																				$798.00

Social Security Deducted:

Rober Plummer	1st. Half	$2.52	
	2nd. Half	$2.52	$5.04
Frank Bauer	1st. Half	$2.16	
	2nd. Half	$2.43	$4.59
Paul Hodel	1st. Half	$1.80	
	2nd. Half	$2.52	$4.32
Frank Mc Conaha	1st. Half	$2.52	
	2nd. Half	$1.98	$4.50
Austin Elmer	1st. Half	$2.52	
	2nd. Half	$2.52	$5.04
Alton Cole	1st. Half	$ .63	
	2nd. Half	-0-	$0.63
			$24.12

I certify that the above is a true and correct copy of payroll for December 1952.

Clyde H. Lumsden

Bolmer's report of 12/16/52 says operator wants $7000- more for a total of $25,000-

---

Traver & Viing have not bothered to comment— Has this request come to us by any other channels?

Field performing WSM

Amendment JAR

1/15/53

WSM

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

224 New Customhouse
Denver 2, Colorado

January 7, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JAN 1 1953

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2304, Contract Idm-E306 (Tungsten)
L & P Mining Company (Vasco No. 5 Mine)

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of November, 1952, pertaining to DMEA Docket 2304, Contract Idm E306, L & P Mining Company (Vasco No. 5 Mine).

John F. Shaw for
W. H. King

Enclosures

53-76

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

New Customhouse
Denver 2, Colorado

December 22, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-2306 (Tungsten) L & P Mining Company (Vasco No. 5 Mine) - Operator's Monthly Progress Report for the period of November, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report -	December 8, 1952
Date Received in Colorado Branch Office -	December 12, 1952
Date received in Region IV Office -	December 18, 1952
Date processed for payment -	December 19, 1952

W. H. King
W. H. King

Enclosures

WHB:oc
cc: Contract
Secretary to the Operating Committee (2)
WHTraver
Chron.
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 16, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 5 mine), Boulder County, Colorado - Progress report for November 1952

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

Bolmer verifies the underground progress correct as reported in the narrative and the accounts in order.

Payment is approved of $1,007.49, or 75 percent of the total $1,343.32 claimed by the contractor, subject to your and the Audit and Accounts Section's verification of rates charged and arithmetical accuracy.

W. M. Traver, Jr.

W. M. Traver, Jr.

WMT/eb
enclosures
cc 4
AHKoschmann
E306
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 16, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Bdm-E306 (Tungsten), L. and F. Mining Company (Vasco No. 5 mine), Boulder County, Colorado—Progress report for November 1952

Progress under the subject contract was inspected December 11, 1952, with R. L. Plummer. A distance of 77 feet along the fifth level was reported as having been rehabilitated during November. On the date of inspection, rehabilitation of the fifth level had progressed approximately 435 feet southwest from the No. 5 shaft. The drift ahead was badly caved and progress was very slow. A sublevel had just been started southwesterly on an ore shoot opened by the first raise. The sublevel was started at a point in the raise 35 feet above the rail on the fifth level.

The contractor has requested permission to crosscut around the cave ahead on the level. Such a request would be considered if the condition of the level became worse than was observed during inspection and should spiling be required. For the present, the level can be rehabilitated as cheaply as crosscutting and the contractor was instructed to continue with work as provided in the contract.

It is apparent at this time that the proposed work cannot be accomplished within the contract amount. The contractor has requested that the contract amount be increased by $7,000.00 to a total of $25,000.00.

The costs incurred during November are considered necessary and do not appear excessive. The total amount claimed is supported by the required documentation and is approved. Payment of 75 percent of the amount claimed, or $1007.49, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb
cc: 6
AHKoschmann
E306
DMEA Chron

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1 5 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2304 Contract No. Ion-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 35th. Ave., Denver, 16, Colo.
Contract Amount, $16,000.00 Government Participation: 75 % Amount, $13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1065.00	8471.26	9536.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	39.90	185.91	225.81			
Explosives	36.19	54.73	90.92			
Pipe		101.22	101.22			
Track		57.42	57.42			
Power	63.75	254.59	318.34			
Others	72.50	849.64	922.14			
(4) Operating Equipment:						
Rental						
Purchase		1427.10	1427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs		5.49	5.49			
(6) New Bldgs., Improvements, etc.		1223.00	1223.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	159.8	127.07	193.05			
Liability Insurance						
Bookkeeper Nov.	50.00	316.67	366.67			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	1,343.32	13,289.74	14,633.06	1343.32	13,289.74	14,633.06

GEL 1/14/53

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

Date Dec. 8, '52 *Payee L. & P. Mining Co.

By Stanley Larson Title Partner.

*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:

$ 1007.49

Signature [illegible] (Authorized Certifying Officer)

Date 12-30-52 Vou. No. 53-76

(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-306 in accordance with the terms of the contract.

Signature L. L. Bolmer $1007.49 Title Mining Engineer Date Dec. 15, 1952

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

Signature W. H. King Title Executive Officer Date 12/22/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1 1953

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

Month of Nov. 1952 Docket No. DMEA 2304 Contract No. I1m-P306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 6th. Ave., Denver, 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising	Feet			1719.90	50	34.40	250	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehab.		1343.32		10273.79				
TOTAL DISTRIBUTED COSTS		1343.32		11993.77				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1411.60				1,[illegible].60
Initial Rehabilitation and Repairs				1228.49				[illegible]
New Buildings, Improvements, etc.								1,700.00
TOTAL COSTS		1343.32		14633.06				[illegible].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 Dec. 8, '52 Operator L. & P. Mining Co.
Per Stanley Lane Title Partner.

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

Contract No.
Idm-E 306

Docket No.
DMA-DMTA 2304

DESCRIPTION OF PROGRESS.

NOVEMBER 1st., 1952

TO

NOVEMBER 30th., 1952

CLEANED, REPAIRED, TIMBERED AND LAID RAILS BACK 77' ON THE LOWER LEVEL. GROUND CONDITION IS VERY BAD, TIMBER ALL TWISTED AND SHOVED OUT OF PLACE. PROGRESS VERY SLOW.

L. & P. MINING CO.

BY Stanley Larson
PARTNER.

	Paper [illegible]												[illegible]
	[illegible]												[illegible]
	Rose Drawer Co												[illegible]
	Am Sign Co												[illegible]
	[illegible]												[illegible]
	[illegible]												[illegible]
	[illegible]												[illegible]
	[illegible]												[illegible]

L. & P. MINING COMPANY

725 W. 39th. Ave. — Denver, Colo.

PAYROLL:

NOVEMBER 1st., to NOVEMBER 15th., 1952

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
Robert Plumer	Miner															8	8	2.250T	
		0	0	0	0	0	0	0	0	0	8	8	8	8	8		40	1.50	$ 78.00
Floyd Simkins	Trammer	8	0						8	0						8	16	2.250T	
				8	8	8	8	8			8	8	8	8	8		40	1.50	$144.00
Frank Bauer	Trammer	8	0						8	0						8	24	2.250T	
				8	8	8	8	8			8	8	8	8	8		40	1.50	$174.00
Frank McConaha	Mucker	8	0						8	0						8	24	2.250T	
				8	8	8	8	8			8	8	8	8	8		40	1.50	$174.00
																			$570.00

NOVEMBER 16th., to NOVEMBER 30th., 1952

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL HRS.	RATE	AMOUNT
Robert Plumer	Miner	0						8	0						8	0	16	2.250T	
			8	8	8	8	8			8	8	8	0	8			72	1.50	$144.00
Frank Bauer	Trammer	0						8	0						8	0	16	2.250T	
			8	8	8	8	8			8	8	8	0	8			72	1.50	$144.00
Frank McConaha	Trammer	0						8	0				4		8	0	20	2.250T	
			8	8	8	8	8			8	8	8	0	8			72	1.50	$153.00
Bruce Cole	Mucker	0						0	0						8	0	8	2.250T	
			0	0	0	0	0			0	8	8	0	8			24	1.50	$ 54.00
																			$495.00

Social Security Deducted:

Robert Plumer	1st. Half	$1.17	
	2nd. Half	$2.16	$ 3.33
Floyd Simkins	1st. Half	$2.16	
	2nd. Half	$ -0-	$ 2.16
Frank Bauer	1st. Half	$2.61	
	2nd. Half	$2.16	$ 4.97
Frank McConaha	1st. Half	$2.61	
	2nd. Half	$2.30	$ 4.91
Bruce Cole	1st. Half	$ -0-	
	2nd. Half	$ .81	$ 0.81
			$15.98

I certify that the above is a true and correct copy of payroll for November 1952

Clyde H. Lumsden

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

[illegible] New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1952

December 8, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 2304, Contract Idm-N306, (Tungsten)
L. and P. Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of October, 1952, pertaining to DMA Docket 2304, Contract Idm-N306, L. and P. Mining Company.

W. H. King

W. H. King

Enclosures

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

DMA New Customhouse
Denver 2, Colorado

November 21, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2304, Contract Idm-2306 (Tungsten) L. and F. Mining Company - Operator's Monthly Progress Report for the period of October, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 75 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

W. H. King
John F. Shea for
W. H. King

Enclosures

JWT:oc

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

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 19, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-R306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for October 1952

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

Underground progress is correctly reported in the narrative. Bolmer notes several errors on the form MF-104A under "Unit Costs to Date" and "Costs to Date" for initial rehabilitation and repairs, and new buildings, improvements, etc.

Payment of $1,088.56, or 75 percent of the total $1,451.42 claimed by the contractor, is approved subject to Region IV audit.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/cb

cc 4
AHKoschmann
R306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 19, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idaho-R306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for October 1952

Progress this period under the subject contract is reported correctly in the operator's narrative and is listed correctly on form MP-104A. It is noted on form MP-104A that "Unit Costs to Date" for raising are shown incorrectly. This cost should be $34.40 per foot. Also, on this form under "Costs to Date", initial rehabilitation and repairs should be $5.49 and new buildings, improvements, etc. should be $1,223.00 instead of as shown.

The work performed this period conforms to the terms of the contract. The costs shown and claimed on form MP-104 are supported by the required documentation and are approved.

Project costs this period are approved in the amount of $1,451.42. Payment of 75 percent of the approved amount, or $1,088.56, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
AHKoschmann
R306
DMEA Chron.

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

Defense Minerals Administration
RECEIVED
DEC 12 1952

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

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

GS 12/18/52

Month of October 1952 Docket No. DMEA 2304 Contract No. I-in-E306

Operator's Name L. & P. Mining Co. Minerals Tungsten

Address 725 W. 39th. Ave., Denver, 16, Colo.

Contract Amount, $18,000.00 Government Participation: 75% Amount, $13,500.00

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:						See Bohmer's letter.
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1056.00	7415.26	8471.26			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		165.91	165.91			
Explosives	52.64	2.09	54.73			
Pipe	74.70	26.52	101.22			
Track		57.42	57.42			
Power	35.88	218.71	254.59			
Others	145.57	704.07	849.64			
(4) Operating Equipment:						
Rental						
Purchase	15.30	1411.80	1427.10			
Depreciation						
(5) Initial Rehabilitation and Repairs	5.49	-0-	5.49			
(6) New Bldgs., Improvements, etc.		1283.00	1283.00			
(7) Miscellaneous:						
Repairs to Equipment		214.40	214.40			
Sampling and Analysis						
Payroll Taxes	15.84	111.23	127.07			
Liability Insurance						
Bookkeeper Oct.	50.00	266.67	316.67			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	1451.42	11,838.32	13,289.74	1451.42	11838.32	13289.74

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

Date Nov. 14, '52 Payee L. & P. Mining Co.

Per Stanley Lane Title Partner.

*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:

$1088.56

Signature [illegible]
(Authorized Certifying Officer)

Date 12/1/52 Voucher No. 53-65

(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-306 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1088.56 Title Mining Engineer Date Nov. 18, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date 11/21/52

MONTHLY REPORT OF OPERATOR

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

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

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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.

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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 [illegible]-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 Oct. 1952 Docket No. DMEA 2304 Contract No. Idm-5306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising	Feet	1445.93	40	1719.98	50	1719.98		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underer und Rah[illegible]				8929.47				
TOTAL DISTRIBUTED COSTS		1445.93		10649.45				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				1411.80				
Initial Rehabilitation and Repairs		5.49		1228.49	5.49			
New Buildings, Improvements, etc.				1223.00				
TOTAL COSTS		1451.42		13289.74				

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 Nov. 14, '52 Operator L. & P. Mining Co.

Per Stanley Larson Title Partner.

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)

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".

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GPO 83-38475

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS.

OCTOBER 1st., 1952

TO

OCTOBER 31st, 1952

DRILLED AND SHOT FROM 40 FT. to 60 FT. IN RAISE. AIR IN RAISE VERY TIGHT. DRILLED PILOT HOLE TO TEST WATER ABOVE IN OLD WINZE. TOP OF RAISE STILL DRY AND NO SIGN OF WATER. ORE SHOWING IN SOUTH WEST END OF RAISE IN SPOTS FROM 4" to 1 FOOT.

L. & P. MINING CO.

BY Stanley Larson
PARTNER.

L. & P. MINING COMPANY

725 W. 39th. Ave. Denver, Colo.

PAYROLLS

OCTOBER 1st., to OCTOBER 15th., 1952

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS	RATE	AMOUNT
					8	0						8	0				16	2.250T	
Floyd Simkins	Miner	8	8	8			8	8	8	8	8			8	8	8	88	1.50	$168.00
					8	0						8	0				16	2.250T	
Frank Bauer	Trammer	8	8	8			8	8	8	8	8			8	8	8	88	1.50	$168.00
					8	0											8	2.250T	
Wayland Simkins	"	8	8	8			8	8	8	8							56	1.50	$102.00
												8	0				8	2.250T	
Frank Mc Conaha	Mucker									8	8			8	8	8	40	1.50	$ 72.00
																			$516.00

OCTOBER 16th., to OCTOBER 31st, 1952

NAME	OCCUPATION	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HRS	RATE	AMOUNT
				8	0						8	0						16	2.250T	
Floyd Simkins	Miner	8	8			8	8	8	8	8			8	8	8	8	8	96	1.50	$180.00
				8	0						8	0						16	2.250T	
Frank Bauer	Trammer	8	8			8	8	8	8	8			8	8	8	8	8	96	1.50	$180.00
				8	0						8	0						16	2.250T	
Frank Mc Conaha	Mucker	8	8			8	8	8	8	8			8	8	8	8	8	96	1.50	$180.00
																				$540.00

I certify that the above is a true and correct copy of payroll for October 1952

Clyde H. Lumsden

Social Security Deducted:

F. Simkins	1st. Half	$2.52	
	2nd. "	$2.70	$5.22
F. Bauer	1st. Half	$2.52	
	2nd. "	$2.70	$5.22
W. Simkins	1st. Half		$1.53
F.McConaha	1st. Half	$1.17	
	2nd. "	$2.70	$3.87
			$15.84

October 1952

	Rent	Labor	Brooms	Pipe	Truck	Power	Others	Cost	Taxes	Beekeeper	Total
Payroll 10/1 to 10/15		5400									5400
10/16 to 10/31		5400									5400
Public Service Co.						2588					2588
Larsen Machine Shop							150				150
Industrial Brooms Inc.	549		414	7420			1047	1530			2960
Payroll Taxes:											
1½% of Payroll									1584		1584
Beekeeper October										5000	5000
	549	10800	414	7420		2588	1047	1530	1584	5000	29532

[illegible]
[illegible]

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 19 1952

224 New Customhouse
Denver 2, Colorado

November 19, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 2304, Contract Idm-E306 (Tungsten)
L. and P. Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of September, 1952, pertaining to DMA Docket 2304, Contract Idm-E306, L. and P. Mining Company.

W. K. King

Enclosures

Discuss the
breakdown sheet
of contract with
me.

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

224 New Customhouse
Denver 2, Colorado

November 13, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Operator's Monthly Progress Report, for the period September, 1952

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

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

This report was received in the Colorado Branch office on October 14, 1952, 6 days after the date on Form MF-104. However, because of needed corrections, the forms were returned to the operator, and after revision were received again in the Branch Office on November 5, 1952. This resulted in a time lag of 3 weeks.

W. H. King
W. H. King

Enclosures

WLD:es

cc: Sec. to the Oper. Comm. (2)
Contract
Chron.
Traver
Koschmann (2)

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for September 1952

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

Mine progress is correctly reported in the operator's narrative and accounts are in order after revision.

Payment of $1,526.39, or 75 percent of the total $2,035.19 claimed by the contractor, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/cb

cc 4
AHKoschmann
E306
DMEA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 29, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMSA 2304, Contract Idm-5306 (Tungsten), L. and F. Mining Company, Boulder County, Colorado - Progress report for September 1952

Progress under the subject contract was inspected October 21, 1952. Rehabilitation of the fifth level southwest off the Vasco No. 5 shaft was continued for the first part of the period. Rehabilitation of the fifth level has progressed approximately 350 feet from the shaft. At 300 feet from the shaft, a 30-foot raise on the No. 5 vein was encountered. This raise is in the approximate location of the proposed 75-foot raise to the Williams winze workings. Accordingly, this raise was stulled and laced in preparation for extension to the winze workings. The raise was advanced 10 feet before the close of this period. As the winze workings are under water, a long drill hole is being carried ahead of the raise advance. On the date of inspection the raise had advanced 56 feet above the fifth level track.

The operator installed a compressor motor, starting compensator and an air receiver on the surface this period. Several lengths of the air line in the shaft leaked badly when the compressor was started for the first time and had to be replaced.

The supply and service charges claimed this period are considered necessary and do not appear excessive. All project costs claimed for reimbursement this period are supported by the required documentation.

Project costs for September are approved in the amount of $2,035.19. Payment of 75 percent of the approved amount, or $1,526.39, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
AHKoschmann
E306
DMEA Chron.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address [illegible], Denver, 26, Colo.
Contract Amount, $ [illegible] Government Participation: 75 % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	[illegible]	[illegible].76	[illegible].86			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible].91	[illegible].91			
Explosives		[illegible].09	[illegible].09			
Pipe		[illegible].52	[illegible].52			
Track	[illegible].67	[illegible]	57.42			
Power	[illegible]	173.[illegible]	[illegible].71			
Others	37.37	[illegible].70	[illegible].07			
(4) Operating Equipment:						
Rental						
Purchase	991.60	[illegible].00	1[illegible]1.60			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1[illegible]3.00	1[illegible]3.00			
(7) Miscellaneous:						
Repairs to Equipment	77.90	136.90	[illegible].80			
Sampling and Analysis						
Payroll Taxes	37.87	73.36	111.23			
Liability Insurance						
Bookkeeper Expt.	50.00	216.67	266.67			
(8) Contingencies (specify):						
Freight		2.[illegible]	1.[illegible]			
TOTALS	2035.19	9803.13	11,[illegible].32	2035.19	9,803.13	11,838.32

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

Date Oct. 2, '52 Payee L. & P. Mining Co.

Per Stanley Larson Title Partner

*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.

AD

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:

$1526.39

Signature [illegible]
(Authorized Certifying Officer)

Date 11/18/52 Vou. No. DMM 53-61

(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-306 in accordance with the terms of the contract.

Signature R.L. Bolmer, $1,526.39 Title Mining Engr. Date Nov. 5, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. Kring Title Executive Officer Date 11/13/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

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

Month of Sept. 195 2 Docket No. DMEA [illegible] Contract No. I [illegible]-2306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting								
Crosscutting								
Raising	Foot	27[illegible].05	10	27[illegible].05	10	27[illegible].05		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Labor		115[illegible].54		8[illegible].37				
TOTAL DISTRIBUTED COSTS		1[illegible]3.59		9203.52				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		691.60		1[illegible]1.60				
Initial Rehabilitation and Repairs				1[illegible]3.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		2035.19		11,638.32				

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

Date Oct. 8, 1952 Operator L. & P. Mining Co.
Per Stanley Larson Title Partner

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

Propane [illegible]										[illegible]
[illegible]										[illegible]
Public Service Co										[illegible]
Exp I Estimate										[illegible]
Lewis Agency Co										[illegible]
Bell Telephone										[illegible]
U S R										[illegible]
Bookmaker Bus Service										[illegible]
[illegible]										
[illegible]										
[illegible]										[illegible]
[illegible]										[illegible]
[illegible]										[illegible]
Propane [illegible]										
[illegible]										
[illegible]										

Contract No.
Idm-S 306

Docket No.
[illegible] 2304

DESCRIPTION OF [illegible].

[illegible] 1st, 1952

TO

[illegible] 30th, 1952

[illegible] DRILLED [illegible] OF THE [illegible]
OF 500 FEET 2" [illegible] PER [illegible] DRILL, INSTALLED
[illegible] & [illegible], INSTALLED [illegible]
[illegible] TANK. [illegible] DRILL. [illegible] AND
[illegible] APPROXIMATELY 10 [illegible].

L. & P. [illegible] CO.

BY Stanley Larson
[illegible].

L. & P. MINING CO.

725 W. 39th. Ave., Denver, Colo.

PAYROLL: SEPTEMBER 1st., to SEPTEMBER 15th., 1952

	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
Robert Plummer	Miner	0	8	8	8	8	8	0	8	8	8	8	8	8	0	8	16	2.250T	
																	80	1.50	$156.00
Frank Bauer	Trammer	3	8	8	8	8	8	0	8	8	8	8	8	8	0	8	16	2.250T	
																	83	1.50	$160.50
Waylend Simkins	"	0	8	8	8	8	8	0	8	8	8	8	8	0	0	0	8	2.250T	
																	72	1.50	$136.00
Floyd Simkins	Mucker	0	8	8	8	8	8	0	8	8	8	8	8	8	0	8	16	2.250T	
																	80	1.50	$156.00
Richard Steinhoff	Trammer	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	8	2.250T	
																	8	1.50	$ 30.00
																			$628.50

SEPTEMBER 16th., to SEPTEMBER 30th., 1952

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Robert Plummer	Miner	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	8	2.250T	
																	32	1.50	$ 66.00
Frank Bauer	Trammer	8	8	8	8	8	0	8	8	8	8	8	8	0	8	8	16	2.250T	
																	88	1.50	$168.00
Waylend Simkins	"	0	8	8	8	8	0	8	8	8	8	8	8	0	8	8	16	2.250T	
																	80	1.50	$156.00
Floyd Simkins	Mucker	8	8	8	8	8	0	8	8	8	8	8	8	0	8	8	16	2.25	
																	88	1.50	$168.00
																			$558.00

I certify that the above is a true and correct copy of payroll for September 1952

Clyde M. Lumsden

Social Security Deducted:

Robt. Plummer	1st. Half	$2.34	
	2 nd "	.99	$ 3.33
Frank Bauer	1st. Half	$2.41	
	2nd. "	$2.52	$ 4.93
W. Simkins	1st. Half	$1.89	
	2nd. "	$2.34	$ 4.23
F. Simkins	1st. Half	$2.34	
	2nd. "	$2.52	$ 4.8
R. Steinhoff	1st. "		$ .45
			$17.80

400

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

224 New Customhouse
Denver 2, Colorado

October 3, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2304, Contract Idm-E306 (Tungsten)
L & P Mining Company, Boulder County, Colorado

Aug 1952

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of August, 1952, pertaining to DMEA Docket 2304, Contract Idm-E306, L & P Mining Company.

W. H. King
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DENVER
OCT 6 1952

September 30, 1952

Progress
Report - August 1952

L. & P. Mining Co.
725 W. 39th Ave.
Denver 16, Colorado

[illegible] of your [illegible] Reference a difference [illegible] which [illegible] [illegible] [illegible] accordingly:

[illegible] $ 1,603.78

[illegible] $ 20.07

[illegible] $ 1,583.71

No reason for the difference was due to:

Insufficient Documentation:
(May be reclaimed on quarterly report)

Any reclaim for deductions made above will be supported by the ORIGINAL OF THIS FORM.

Very [illegible] yours,

N. E. Stokes
Audit Section

A-W - E&P Form No. 4
[illegible]-52 D

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 New Customhouse
Denver 2, Colorado

Mining Division
Region IV

September 18, 1952

Memorandum:

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 2304, Contract Idm-R306 (Tungsten), L & P Mining Company, Boulder County, Colorado - Operator's Monthly Progress Report, for the period August, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total reported	$1603.78
Less: F.I.C.A - Until Operator submits copy of Quaterly report as Documentation	20.07
	$1583.71
Government participation - 75 percent	$1187.78

W. H. King
W. H. King

WLD:es

cc: Secretary to the Operating Committee (2)
Enclosures: Chron., Contract, Traver, Koschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
September 15, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for August 1952

Please find enclosed five copies of the above progress report, forms MF-104 (revised) and MF-104A, with narrative, cost distribution, payroll, and one copy only of certified invoices, and seven copies of R. L. Belmar's memorandum covering inspection of the mine progress and company accounts.

The narratives accompanying past progress reports on this contract have been inadequate. The contractor is being instructed to make them more comprehensive in the future.

Payment of $1,202.83, or 75 percent of the total $1,603.78 claimed by the contractor for August, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/emh

cc 4
AHKoschmann
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
September 15, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract I4m-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for August 1952

Progress under the subject contract was inspected September 12, 1952, with W. E. Simkins. Rehabilitation of the fifth level southwest off the Vance No. 5 shaft was continued during August. On the date of inspection, rehabilitation of the fifth level had progressed approximately 350 feet from the shaft. Track was laid for 325 feet and 2-inch air line for 300 feet. At 300 feet from the shaft, a 30-foot raise on the No. 5 vein was encountered. This raise is in the approximate location of the proposed 75-foot raise to the William's winze workings. Accordingly, this raise was stulled and laced in preparation for its extension to the winze workings.

All work performed this period, for which claim is made, is in conformance with the contract and as reported on form MF-104A.

The supply and service charges claimed this period on form MF-104 are considered necessary and do not appear excessive. All project costs claimed for reimbursement are supported by the required documentation.

Project costs for August 1952 are approved in the amount of $1,603.78. Payment of 75 percent of the approved amount, or $1,202.83, is recommended.

R. L. Bolmer
Mining Engineer

RLB/smh

cc 6
AMKoschmann
E306
DMEA Chron.

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

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

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

Month of August 1952 Docket No. DMEA 8304 Contract No. Ku-F 306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 705 E. 39th. Ave., Denver, 16, Colo.
Contract Amount, $ 18,000.00 Government Participation: 75 % Amount, $ 13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE - Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY - Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1338.00	4890.76	6228.76			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		185.91	185.91			
Explosives		2.09	2.09			
Pipe		26.52	26.52			
Track	8.55	106.00	10.55			
Power 71.52	[illegible]	[illegible]	173.23			
Others	121.64	545.06	666.70			
(4) Operating Equipment:						
Rental						
Purchase		820.80	820.80			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1223.00	1223.00			
(7) Miscellaneous:						
Repairs to Equipment		136.90	136.90			
Sampling and Analysis						
Payroll Taxes	20.07	73.36	93.43	00	93.43	93.43
Liability Insurance						
Bookkeeper Aug	50.00	166.67	216.67			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	1603.78	8019.42	9623.20	1,583.71	8,239.49	9,823.20

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

Date Sept. 8, 1952 Payee L. & P. Mining Co.

Per Stanley Larson Title Partner.

*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:

$1187.78

Signature [illegible]
(Authorized Certifying Officer)

Date 10/1/52 Voucher No. DMA 53-41
(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-306 in accordance with the terms of the contract.

Signature R. L. Balmer, $1,202.83 WMT Title Mining Engineer Date Sept. 12, 1952

$1202.83 $ 1187.78

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Aug. 195 3 Docket No. DMEA 2304 Contract No. Idm-E 306
Operator's Name L. & P. Mining Co. Minerals Tungsten
Address 725 W. 39th. Ave., Denver, 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		1603.78		7780.00				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				620.00				
Initial Rehabilitation and Repairs				1223.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		1603.78		9623.00				

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 Sept. 6, 1953 Operator L. & P. Mining Co.

Per Stanley Lane Title Partner.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS.

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS.

AUGUST 1st., 1952

TO

AUGUST 31st., 1952

WORK FOR THE PERIOD CONSISTED OF CLEANING AND REPAIRING LEVEL FROM 200 FT. BACK TO 348 FT. TIMBERED AND LAID TRACK. TIMBERED RAISE UP 20 FT.

L. & P. MINING CO.

BY Stanley Larson
Partner.

[illegible]

L. & P. Mining Co.
725 W. 39th. Ave., Denver, Colo.

AUGUST PAYROLLS

AUGUST 1st., to AUGUST 15th.

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL HRS.	RATE	AMOUNT
			8	0						8	0						16	2.250T	
Robert Plummer	Miner	8			8	8	8	8	8			8	8	8	8	8	88	1.50	$168.00
			8	0						8	0						16	2.250T	
Frank Bauer	Trammer	8			8	8	8	8	8			8	8	8	8	8	88	1.50	$168.00
			8	0						8	0						16	2.250T	
Wayland E.Sinking	"	8			8	8	8	8	8			8	8	8	8	8	88	1.50	$168.00
			0	0						8	0						8	2.250T	
Floyd J. Sinking	Mucker	0			8	8	8	8	8			8	8	8	8	8	80	1.50	$135.00
																			$642.00

AUGUST 16th., to AUGUST 31st., 1952

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
		8	0						8	0						8	0	24	2.25 OT	
Robert Plummer	Miner			8	8	8	8	8			8	8	8	8	8			80	1.50	$174.00
		8	0						8	0						8	0	24	2.25 OT	
Frank Bauer	Trammer			8	8	8	8	8			8	8	8	8	8			80	1.50	$174.00
		8	0						8	0						8	0	24	2.25 OT	
Wayland E.Sinking	"			8	8	8	8	8			8	8	8	8	8			80	1.50	$174.00
		8	0						8	0						8	0	24	2.25 OT	
Floyd. J. Sinking	Mucker			8	8	8	8	8			8	8	8	8	8			80	1.50	$174.00
																				$696.00

I certify that the above is a true and correct copy of Payroll for August 1952

Clyde H. Lumsden Bookkeeper

Social Security Deducted:

Robert Plummer	1st. Half	"	$ 2.52	
	2nd.	"	$ 2.61	$ 5.13
Frank Bauer	1st.	"	$ 2.52	
	2nd.	"	$ 2.61	$ 5.13
Wayland Sinking	1st.	"	$ 2.52	
	2nd.	"	$ 2.61	$ 5.13
Floyd Sinking	1st.	"	$ 2.07	
	2nd.	"	$ 2.61	$ 4.68
Total Deducted				$20.07

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

224 New Customhouse
Denver 2, Colorado

September 8, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 2304, Contract Idm-E306, (Tungsten)
L. and P. Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of July, 1952, pertaining to DMA Docket 2304, Contract Idm-E306, L. and P. Mining Company.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

August 26, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306 (Tungsten) L. and P. Mining Company, Boulder County, Colorado - Operator's Monthly Progress Report for the period of July, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,064.32, which is 75 percent of the total of $1,419.10.

for John F. Kline
W. H. King

Enclosures

JWT:oc

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

August 20, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for July 1952

Please find enclosed five copies of the above progress report, forms MF-104 (revised) and MF-104A, with narrative, payroll, expenditure distribution, and one copy only of certified invoices, and seven copies of R. L. Bolmer's memorandum report covering the inspection of the underground progress and accounts.

Payment of $1,064.32, or 75 percent of the total $1,419.10 claimed by the contractor, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 4
AHKoschmann
E306
DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

August 20, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Progress report for July 1952

Progress under the subject contract was inspected August 13, 1952, with R. G. Plummer. Work during this period consisted of rehabilitation of the 5th level southwest off the Vasco No. 5 shaft. Four caved sections have been cleaned out in a 268-foot length of drift off the shaft; the timber in this section was repaired and track laid. Air on the 5th level became bad during this period. The drift northeast off the shaft was brattised and a small blower was connected to the 4-inch pump line in the shaft for ventilation. All work performed this period, for which claim is made, is in conformance with the contract and as reported on form MF-104A.

The supply and service charges claimed this period on form MF-104 are considered necessary and do not appear excessive. All project costs claimed for reimbursement are supported by the required documentation.

Project costs for July 1952 are approved in the amount of $1,419.10. Payment of 75 percent of the approved amount, or $1,064.32, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc 6
AHKoschmann
E306
DMEA

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 8304 Contract No. Xin-K 306
Operator's Name L & P Mining Co. Minerals Tungsten
Address 735 W. 39th. Ave., Denver, 16, Colo.
Contract Amount, $ 18,000.00 Government Participation: 75 % Amount, $ 13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1080.00	3610.76	4690.76			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	76.80	107.11	183.91			
Explosives		2.09	2.09			
Pipe		26.52	26.52			
Track	46.00		46.00			
Power	66.72	34.99	101.71			
Others	45.38	499.68	545.06			
(4) Operating Equipment:						
Rental						
Purchase		880.20	880.20			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1883.00	1883.00			
(7) Miscellaneous:						
Repairs to Equipment	36.00	100.90	136.90			
Sampling and Analysis						
Payroll Taxes	16.20	57.16	73.36			
Liability Insurance						
Bookkeeper July	50.00	116.67	166.67			
(8) Contingencies (specify):						
Freight		1.24	1.24			
TOTALS	1419.10	6800.32	8219.42	1,419.10	6,800.32	8,219.42

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

Date Aug. 14, 1952 Payee L & P. Mining Co.

Per [signature] Title Partner.

*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)

ad

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

$ 1064.32

Signature [signature]
(Authorized Certifying Officer)

Date 9/5/52 Vou. No. DMM 53-29
(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-306 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1064.32 Title Mining Engr. Date August 20, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1952

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

Month of July 195 2 Docket No. DMEA 2394 Contract No. Im-E 306
Operator's Name L & P Mining Co. Minerals Tungsten
Address 725 W. 38th. Ave., Denver, 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		1419.10		6176.22				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				620.20				
Initial Rehabilitation and Repairs				1823.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		1419.10		8619.42				

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

Date Aug. 11, 1952 Operator L & P. Mining Co.

Per [signature] Title Partner.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

DESCRIPTION OF PROGRESS

July 1st, 1952

TO

July 31st, 1952

WORK FOR THE PERIOD CONSISTED OF CLEANING AND REPAIRING SHAFT TO THE 256 FT. LEVEL AND CLEANOUT AND REPAIR DRIFT BACK 200 FT.

L & P MINING CO.

BY R. S. P. Lamme
Partner.

L. & P. MINING CO.
725 W. 39th. Ave., Denver, Colo.

JULY PAYROLL3

JULY 1st., to JULY 15th.

NAME	OCCUPATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	HRS. TOTAL	RATE	AMOUNT
			1			8	0		4				8	0			21	2.25 OT	
Robert Plummer	Miner	8	8	8	0			8	8	8	8	8			8	8	80	1.50	$ 167.25
			1			8	0	1	4	4			8	0			26	2.25 OT	
Frank W. Bauer	Tramer	8	8	8	0			8	8	8	8	8			8	8	80	1.50	$ 178.50
			1			15	0	1	4	4			8	0			33	2.25 OT	
Wayland E. Simkins	"	8	8	8	0			8	8	8	8	8			8	8	80	1.50	$ 194.25
																	TOTAL - - - - - - -		$ 540.00

JULY 16th., to JULY 31st.

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	HRS. TOTAL	RATE	AMOUNT
					8	0						8	0					16	2.25 OT	
Robert Plummer	Miner	8	8	8			8	8	8	8	8			8	8	8	8	96	1.50	$ 180.00
					8	0						8	0					16	2.25 OT	
Frank W. Bauer	Tramer	8	8	8			8	8	8	8	8			8	8	8	8	96	1.50	$ 180.00
					8	0						8	0					16	2.25 OT	
Wayland E. Simkins	"	8	8	8			8	8	8	8	8			8	8	8	8	96	1.50	$ 180.00
																		TOTAL- - - - - - -		$ 540.00

I certify that the above is a true and correct copy of Payroll for July 1952.

Clyde H. Lundeen Bookkeeper.

Social Security Deducted:

Robert Plummer	1st Half	$2.51	
	2nd "	$2.70	$ 5.21
Frank Bauer	1st Half	$2.68	
	2nd. "	$2.70	$ 5.38
W. Simkins	1st Half	$2.91	
	2nd "	$2.70	$ 5.61
Total Deducted			$16.20

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

224 New Customhouse
Denver 2, Colorado

September 3, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MP-104, DMA Docket 2304, Contract Idm-E306, L & P Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MP-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of June, 1952, pertaining to DMA Docket 2304, Contract Idm-E306, L & P Mining Co.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 New Customhouse
Denver 2, Colorado

Mining Division
Region IV

August 18, 1952

Memorandum:

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306, L&P Mining Company, Boulder County, Colorado-Operator's Monthly Progress Report, for the period June, 1952.

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1837.38, which is 75 percent of the total of $2449.84.

The increase in the number of trammers over that allowed by the contract is due to labor turnover.

An ammendment is in process that will add a hoist and pump as equipment to be furnished by the Operator, at no cost to the project other than maintenance and operating expense.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 7, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304 (Tungsten), Contract Idm-E306, L. and F. Mining Company, Boulder County, Colorado - Progress Report, June 1952

Please find enclosed five copies of the above revised progress report on the new forms MF-104 (revised) and MF-104A, with narrative, payroll, amendment request, cost distribution, and one copy of certified invoices. Attached also is R. L. Bolmer's memorandum report covering the inspection of underground progress and accounts.

Amendment No. 2, dated July 31, 1952, allows for purchase of a compressor with motor drive and for a controller switch.

Two copies of the cost distribution are not legible and probably should not be accepted.

Payment of $1,837.38, or 75 percent of the $2,449.84 claimed by the contractor, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh

cc: 4
AHKoschmann
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 7, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304 (Tungsten), Contract Idm-2306, L. and F. Mining Company, Boulder County, Colorado - Progress Report, June 1952

Progress under the subject contract was inspected July 21, 1952, with R. C. Plummer. During this period, rehabilitation of the No. 5 shaft was continued as the water level was lowered. At the close of this period, the fifth or bottom level off the No. 5 shaft had been unwatered and the shaft repaired to this depth. Work was in progress rehabilitating the fifth level southeast from the shaft. Track and pipe must be installed on this level after minor caves have been cleaned up and the old timber repaired or replaced. Approximately 30 feet of this level had been rehabilitated at the close of the period.

The work performed this period, for which claim is made, is in conformance with the contract and is as reported on form MF-104A.

The supply and service charges are considered necessary and do not appear excessive. All charges on form MF-104 are supported by the required documentation.

Engineers in the regional office will not approve payment of claims for repair or maintenance of equipment unless such equipment is individually itemized in the contract. This month, the operator claims the cost of repairs to a hoist and a pump, not so itemized. The operator has, however, written (copy of letter attached) for an amendment which will add a hoist and pump to the contract as equipment furnished by the operator. I recommend such an amendment to the contract as there will be no depreciation charged against the project. I am approving the claim this month for repairs to the above equipment on the assumption that the regional engineers will approve the pending amendment.

Contract amendment No. 2 provides for the purchase of a controller switch, air compressor, and electric motor. Claim is made this month for the controller switch, $75.00, and compressor, $459.00. I assume claim will be made in July for the cost of the electric motor.

Project costs for this period in the amount of $2,449.84 are approved. Payment of 75 percent of this amount, or $1,837.38, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc: 6
AHKoschmann
N306
IMMA Chron.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 195 2 Docket No. DMEA 0304 Contract No. 14-B 305
Operator's Name L & P Mining Co. Minerals Tungsten
Address 725 E. 38th. Ave., Denver, No. Colo.
Contract Amount, $ 18,000.00 Government Participation: 75 % Amount, $ 13,500.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1374.01	2436.75	3810.76			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	107.11		107.11			
Explosives		3.09	3.09			
Pipe	86.50		86.50			
Track						
Power	35.99		35.99			
Others	135.79	363.89	499.68			
(4) Operating Equipment:						
Rental						
Purchase	534.00	286.20	820.20			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		1083.00	1083.00			
(7) Miscellaneous:						
Repairs to Equipment	100.90		100.90			
Sampling and Analysis						
Payroll Taxes	20.61	36.55	57.16			
Liability Insurance						
Bookkeeper 4/21 to 6/30 5-1/3 Mo	116.67		116.67			
(8) Contingencies (specify): Freight	1.00		1.00			
TOTALS	2449.84	4350.48	6800.32	2,449.84	4,350.48	6,800.32

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 7, 1952 Payee L & P Mining Co.
By Stanley Larson Title Partner.

*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:

$1837.38

Signature [illegible]
(Authorized Certifying Officer)

Date 8/25/52 Vou. No. DMM 53-25
(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-306 in accordance with the terms of the contract.

Signature L. R. Holmes $1837.38 WMT $1837.38 Title Mining Engineer Date August 6, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: WAD 1837.38

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 8304 Contract No. Im-E 306

Operator's Name L & P Mining Co. Minerals Tungsten

Address 725 W. 39th. Ave. Denver, 16, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		1915.84		4757.12				
TOTAL DISTRIBUTED COSTS		1915.84		4757.12				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		534.00		820.20				
Initial Rehabilitation and Repairs				1223.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		2449.84		6800.32				

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

Date July 7, 1952 Operator L & P Mining Co.

By Stanley Lamm Title Partner.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Contract No.
Idm-E 306

Docket No.
DMA-DMEA-2304

DESCRIPTION OF PROGRESS

June 1, 1952

TO

June 30, 1952

WORK FOR THE PERIOD CONSISTED OF DE-WATERING THE OLD WORKINGS, TIMBERING AND REHABITITATING THE SHAFT.

L & P MINING CO.

BY _____
Partner.

L. & P. MINING CO. PAYROLL JUNE 1st., to JUNE 15th., 1952

NAME	1 S	2 M	3 T	4 W	5 T	6 F	7 S	8 S	9 M	10 T	11 W	12 T	13 F	14 S	15 S	TOTAL HR.	RATE	TOTAL PAY
Robt. Plummer Miner							8	0						8	0	16	$225 OT	
	0	8	8	8	8	8			8	8	8	8	8			80	$1.50	$ 156.00
Dale Brines Mucker							8	0						8	0	15	$2.25 OT	
	0	8	8	8	8	8			8	8	8	8	8			80	$1.50	$ 156.00
Jesse Jackson Trammer							7	0						0	0	9½	$2.25 OT	
	2½	8	8	8	8	8			0	0	0	0	0			40	$1.50	$ 61.38
Dave Edwards "				2	2	2	8	0						0	0	15½	$2.25 OT	
	1½	8	8	8	8	8			8	0	0	0	0			48	$1.50	$ 106.88
Wayland Simkins "							8	0				1	1	9	0	19	$2.25 OT	
	0	8	8	8	8	8			8	8	8	8	8			80	$1.50	$ 162.75
																TOTAL PAYROLL - - - - - - - - -		$ 663.01

PAYROLL JUNE 16th., to JUNE 30th., 1952

	16 M	17 T	18 W	19 T	20 F	21 S	22 S	23 M	24 T	25 W	26 T	27 F	28 S	29 S	30 M	Total	Rate	Total Pay
Robt Plummer Miner						8	0						8	8		24	$2.25 OT	$
	8	8	8	8	8			8	8	8	8	8			8	88	$1.50	$ 186.00
Dale Brines Mucker					1	0	0						0	0		1	$2.25 OT	
	0	0	0	0	8			0	0	0	0	0			0	8	$1.50	$ 14.25
Jesse Jackson Trammer																	$2.25 OT	
	5		2	4	8	8	0	8	8	8			9	8		18	$1.50	
	8	8	8	8	8	8		8	8	8	8	8			8	88		$ 100.50
Wayland Simkins "																	$2.25 OT	
	4	1	2	1	1	8	0	1	4	2			9	8		41	$1.50	
	8	8	8	8	8			8	8	8	8	8			8	88		$ 224.25
Frank Bauer "																	$2.25 OT	
			4	4	4	5	0		4		1		9	9		40		
	0	0	8	8	8			8	8	0	8	8			8	64	$1.50	$ 186.00
																TOTAL PAYROLL - - - - - - - - -		$ 711.00

I hereby certify that the above is a true & correct copy of payroll for the above period.

Clyde M. Lumsden Bookkeeper

Social Security Deducted:

Plummer	1 to 15	$2.34	
	16 to 30	$2.79	$ 5.13
Brines	1 to 15	$2.34	
	16 to 30	.21	$ 2.55
Jackson	1 to 15	$1.23	
	16 to 30	$1.51	$ 2.74
Edwards	1 to 15		$ 1.60
Simkins	1 to 15	$2.44	
	16 to 30	$3.36	$ 5.80
Bauer	16 to 30		$ 2.79
			$20.61

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 306

Name of Operator L. & P. Mining Co.
Docket No. DMA DMEA-2304
Total Contract Amount $ 18,000.00
Government Participation: 75 % Amount, $ 13,500.00
Distribution of Expenditures for Month of April 21st., 1952 to May 31, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

JUN 7 1952

CERTIFICATION

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

L. & P. Mining Co.
(Name of Company)

By Stanley Larson
(Signature of Authorized Official)

June 4, 1952
(Date)

Partner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities	1,223.00	-0-	1,223.00			
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	61.20	-0-	61.20	286.20	-0-	286.20
(b) Rented[2]	749.00	-0-	749.00	000	-0-	000
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	2,436.75	-0-	2,436.75			
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	2.09	-0-	2.09			
(c) Repair Parts						
(d) Other	590.89	-0-	590.89	365.89	-0-	365.89
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Social Security	36.55	-0-	36.55			
Total	5,099.48	-0-	5,099.48	4,350.48	-0-	4,350.48
Deletions						
Adjusted totals						
Totals previously reported	-0-	-0-	-0-	-0-		
Totals to date	5,099.48	-0-	5,099.48	4,350.48		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by R. L. Bolmer
Amount approved for payment $3,824.61 $3824.61 ~~$3824.61~~ $3262.86
Remarks

Schedule DSPA 53-15
Aug 1, 1952
$ 3262.86

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF to May 31, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	2436.75	61.20	592.98	2008.55	5099.48					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	2436.75	61.20	592.98	2008.55	5099.48					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
DENVER 17

Administrative Audit Difference Statement

Date: July 31, 1952
Payee's
Reference: Progress
Report, 4/21/52 - 5/31/52

L & P. Mining Co.
725 W. 39th Avenue
Denver 16, Colorado

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

Amount claimed $ 5,099.48

Difference $ 749.00

Amount Approved $ 4,350.48

The reason for the difference was due to:

Amount of $749.00 is disallowed pending the processing of an amendment that will allow the purchase of a compressor in lieu of rental.

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

Very sincerely yours,

N. E. Stokes
Audit Section

R-TT - EAF Form No. 4
4-23-52 D

224 New Customhouse
Denver 2, Colorado

July 30, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMEA Docket 2304, Contract Idm-E306 (Tungsten), L & P Mining Company, Boulder County, Colorado - Operator's Monthly Progress Report, for the period of April 21 through May 31, 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported	$5,099.48
Disallowance (explained below)	749.00
	$4,350.48
Government Participation - 75 percent	$3,262.86

We are disallowing the amount of $749.00 pending the processing of an amendment that will allow the purchase of a compressor in lieu of rental.

The three electrical switches allowed by Amendment No. 1 have been shown after Item 6(d) Other, whereas they should have been shown as equipment purchased. Since we have held up this monthly report pending clarification of the compressor problem, we are approving it as it stands with the reservation that the switch purchases will be correctly itemized on the next report.

WLD/jp

W. H. King

Enclosures

W. H. King

cc: Secty to the Operating Comm. (2)
WMTraver
AHKoschmann (2)
Subj
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

June 19, 1952

Mining Division
Data Rec'd.
JUN 20 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Acting Chief, Mining Division, Region IV

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

Subject: DMEA #304, Contract Idm-E306, L. and P. Mining Company, Boulder County, Colorado - Progress report April 21 to May 31, 1952

Please find enclosed five copies of the first progress report on the subject contract, form MF-104, with payroll, and a short narrative for the period April 21 to May 31, 1952, together with seven copies of R. L. Belmar's memorandum report covering inspection of underground progress and accounts.

Payment of $3,824.60, or 75 percent of the total $5,099.48 claimed by the operator, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc: 4
AHKoschmann
E306
DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 20, Colorado

June 19, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-E306, L. and P. Mining Company, Boulder County, Colorado - Progress report April 21 to May 31, 1952

Progress under the subject contract was inspected with R. L. Plummer, June 16, 1952. The Public Service Company had installed transformers and extended power lines to near the portal of the No. 5 tunnel. The contractor extended a 3-conductor cable from this source, into the No. 5 tunnel, to the No. 5 underground shaft. The line was hung from insulators along the side of the tunnel and connected through switches into an electric hoist at the shaft station and down the shaft to an electric pump. A head frame with a dumping arrangement was constructed after caved ground had been cleaned out and the shaft station timbered. A single-drum, geared hoist has been installed.

Other work performed this period consisted of unwatering the lower workings by pumping through the No. 5 shaft. The shaft was repaired as the water level was lowered. Stulls were replaced in the shaft and new skids were installed. On the date of inspection, the water level was about 160 feet below the tunnel level or nearly down to the fourth level. Pumping has been on a 10-hour-per-day basis due to a labor shortage in the district.

The project accounts were examined June 5, 1952, at the Colorado Branch offices. An explanation of the costs itemized in the MF-104 forms follows:

Item 1, Fixtures and improvements - $1,223.00 is the amount charged by the Public Service Company to extend power lines to the portal and install transformers. The contract allows $1,700.00 for this service. A $400.00 deposit to the electric company has not been claimed as it is reimbursable.

Item 2, Operating Equipment.
(a) Purchased - $61.20 is the purchase price of a secondhand mine car and two hoisting buckets. Both items are allowable under the contract.
(b) Rented - $749.00 includes the rental of a compressor from April 21 to May 19 for $290.00 and the rental, 3-months' payment in advance, of a replacement compressor at $150.00 per month. As the latter is rented with an option to purchase, $9.00 sales tax was paid.

Item 4, Labor - $2,436.75 is the gross wages paid as per the attached copy of the payroll.

Item 6, Supplies.
(b) Explosives - $2.09 is the purchase price of one box of blasting caps.
(c) Other - $590.89 includes three electrical switches at $75.00 each and 900 feet of 3-conductor electric cable for $277.50. The remainder of this amount, $88.39, includes electrical insulators, roofing, cement, bell cord, carbide, small tools and other miscellaneous supplies. All supplies were substantiated by invoice. An amendment is being processed to permit the purchase of the three switches. It will be retroactive. The other supplies are allowable.

Item 11, Other - $36.55 is the contractor's share of social security payments based on the gross payroll.

Project costs for this period in the amount of $5,099.48 are approved. Reimbursement to the L. and P. Mining Company for 75 percent of this amount, or $3,824.61, is approved.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam
cc: AHKoschmann
E306
DMEA Chron.

COPY

L. & P. MINING CO.

PAYROLL April 21st., 1952 to May 3rd., 1952

Social Security No.	Name	Classification	Hours	Rate	Total Earned
523-07-5002	Robert Plummer	Miner	16	$2.25 OT	
			80	$1.50	$ 156.00
522-12-2547	Dale Brines	Mucker	16	$2.25 OT	
			80	$1.50	$ 156.00
524-14-7571	Jessie Jackson	Trammer	16	$2.25 OT	
			36	$1.50	$ 90.00
522-12-5837	Dave Edwards	"	16	$2.25 OT	
			56	$1.50	$ 120.00
					$ 522.00

May 4th., 1952 to May 15th., 1952

523-07-5002	Robert Plummer	Miner	50	$2.25 OT	
			72	$1.50	$ 220.50
522-12-2547	Dale Brines	Mucker	54	$2.25 OT	
			68	$1.50	$ 223.50
524-14-7571	Jessie Jackson	Trammer	50	$2.25 OT	
			72	$1.50	$ 220.50
522-12-5837	Dave Edwards	"	55	$2.25 OT	
			72	$1.50	$ 231.75
					$ 896.25

May 16th., 1952 to May 31st., 1952

523-07-5002	Robert Plummer	Miner	32	$2.25 OT	
			88	$1.50	$ 204.00
522-12-2547	Dale Brines	Mucker	54	$2.25 OT	
			88	$1.50	$ 253.50
524-147571	Jessie Jackson	Trammer	70	$2.25 OT	
			88	$1.50	$ 289.50
522-12-5837	Dave Edwards	"	62	$2.25 OT	
			88	$1.50	$ 271.50
					$1018.50

Contract No.
Idm-E 306

Docket No.
DMA- DMEA-2304

DESCRIPTION OF PROGRESS

April 21st., 1952

TO

May 31st., 1952

WORK FOR THE PERIOD CONSISTED OF THE INSTALLATION OF POWER, DE-WATERING THE OLD WORKINGS, AND REHABILITATING THE SHAFT

L & P Mining Co

By Stanley Lamm

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

December 10, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: General summary of contract and results obtained
Docket No. 2304 - Tungsten, Contract Idm-E306
Vasco No. 2 and Vasco No. 5 Mines
Boulder County, Colorado
L and P Mining Company
725 West 39th Avenue
Denver 16, Colorado

1. Operator's Property Rights:

Lessee - Lease dated December 12, 1951

Subordination Agreement; Hetzer Mines (owner) to Stanley L. Larsen and R. L. Plummer (partners, L and P Mining Company) dated April 21, 1952.

2. Contract - dated April 21, 1952.

Work authorized:

(1) Unwater and equip No. 5 shaft.

(2) Rehabilitate 5th level from No. 5 shaft.

(3) Drive 2-raises 75' and 175'

(4) Drive 100' sublevel from either or both raises.

Following costs were estimated:

Fixtures and improvements	$1,700.00
Rental of equipment	1,460.00
Purchase of equipment	740.00
Labor, supervision, compensation	9,365.00
Supplies	4,735.00
Total cost of project	$18,000.00
Government's participation	13,500.00

3. Amendments:

(1) Dated June 25, 1952, to allow purchase of 3 electric supply switches @ $75.00 each. Funds for purchase transferred from amount allocated to supplies.

(2) Dated July 31, 1952 to delete item "1-210 c.f.m. compressor 4 mos. @ $290.00 - $1,160.00"from subtitle "to be rented" under "Operating Equipment" Appendix A; add the following items under subtitle "to be purchased."

1 - Hoistmotor controller switch	$ 75.00
1 - I.R. Imperial Type 10, 14" x 7½" x 12" air compressor	459.00
1 - Electric motor for driving compressor	591.60

(3) Dated August 27, 1952, add the following:
Subtitle: "To be furnished by Operator."

Items
1 - Single drum hoist
1 - 1½" water pump

No expense to project other than maintenance and operating expense.

(4) Dated February 17, 1953, to void Amendments 1, 2 and 3 as of their respective dates. Substitute revised Appendix "A" with following work authorization and costs:

Purchase equipment	$ 1,467.10
Extend power line to portal #5 tunnel	1,223.00
Extend power line from portal #5 tunnel to underground collar #5 shaft	
Repair underground headframe #5 shaft	$12,309.90
Rehabilitate No. 5 shaft for 250 feet	
Rehabilitate No. 5 level for 650 feet	
Extend raise 75' to Williams Winze @ $30.00/ft.	2,250.00

Drive raise 175' at intersection of No. 2 and No. 5 vein @ $30.00/ft.	$ 5,250.00
Drive 100' sublevel at most favorable point in raises @ $25.00/ft.	2,500.00
TOTAL COST	$ 25,000.00
Government's participation	$ 18,750.00

This amendment extends completion date from 9 months to 16 months. Referring to article 13 of the contract, delete the figures "$13,500.00" and in lieu thereof substitute the figures "$18,750.00"; delete the figures "$18,000.00" and in lieu thereof substitute the figures "$25,000.00."

Work completed:	Feet	Cost	Cost/ft.
Drifting	40	$ 1,647.44	$41.19
Rehabilitation		$16,661.59	
Raising	97	4,155.98	$42.85
Operating equipment		1,427.10	
New buildings, improvements		1,016.51	
Total Costs		$24,908.62	
Salvage credit		600.00	
Final Report costs		$24,308.62	
Final Audit		$24,302.45 - (Accepted costs)	
Government participation		18,226.84	

Work was completed in May 1952, and contract terminated. Equipment was removed from mine and lower workings were allowed to flood with water.

4. Audit - Certificate issued September 8, 1953

The following exceptions were made during audit:

Supplies - Other	$12.87	
Operating equipment		
New buildings	212.66	
Miscellaneous - Repairs to equipment	9.16	
Total	$234.69	(Not allowed)

5. No Certification of Discovery was issued.

A small ore pocket was mined and yielded 51.52 dry tons averaging 2.03% WO_3 with a gross value of $3,271.30, on which a total royalty of $157.08 was paid the Government. There are no other ore reserves.

6. Comments:

The project was established to explore for tungsten at the Vasco No. 2 and the Vasco No. 5 mines, Boulder County, Colorado. Under the program, the mines were unwatered, an underground shaft and a lower level drift were rehabilitated and the Vasco No. 2 and No. 5 veins were explored by raising and sub-level drifting from the lower level. No significant discovery of tungsten ore resulted from project work. A single small lens of ferberite ore was opened up and wholly mined yielding 51 tons averaging 2.03 percent WO_3 and having a gross value of $3,271.30. A total royalty of $157.08 was paid the Government. Operations under the contract were prosecuted efficiently and in accordance with good mining standards. Project work commenced April 21, 1952, and was pursued continuously until May 19, 1953. Work under the contract was stopped by mutual agreement with the Operator and demobilization of the project followed immediately.

W S Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Yes Audited

No Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12/10/1954
Incl. Voucher for _____

Yes Actual Cost

Agreed Unit Costs

Name L & P Mining Company

Docket No. DMEA-2304

State Colorado

Commodity Tungsten

Idm-E No. 306

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	100'	2,500.00	40'	1,647.44	1,923.82 48.10ft
Raising	250'	7,500.00	160.7	4,155.98	30.20 4,853.10
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased		1,467.10		973.50	
Surface Rehabilitation & Repairs					
Underground Rehabilitation		12,309.90		16,302.53	16,302.53
New Building, Improvements, etc.		1,223.00		1,223.00	1,223.00
Other (Specify)					
Totals		25,000.00		24,302.45	24,302.45

Amendment No.4 increased contract from $18,000.00 to $25,000.00. Underground rehabilitaion was away above estimates

Prepared by TLC

71626

MME
(10-50)

OFFICIAL FILE COPY

Date	Surname	Code
4/14	Talbert	800
		220

APR 14 1959

Via Air Mail

Memorandum

To: Donald T. Finch, OPF Auditor

From: E. D. Talbert (Signed) E. D. Talbert
Acting Chief, Contract Administration and Audit Division

Subject: Docket No. DMFA-2304 (Tungsten)
L. & F. Mining Company
Contract No. Ida-F306

The Administrator's letter dated December 11, 1953, advised the Operator under this contract that it was not the intention to make a Certification of Discovery or Development which would create a lien against the subject property and that we were closing our books and records with respect to the project. This action, taken more than 5 years ago, is considered final. This is especially true in view of the fact that we have no record of any objection by the Operator to such action.

DMFA Circular 26, Supplement No. 2, dated January 26, 1953, provided that refund of royalty payments must be made if an exploration project completed under the old form of contract is not certified. However, the circular did not state that the Government must initiate such refund action. The Operating Committee's letter dated January 13, 1954, is consistent with the circular.

With regard to your suggestion that a different interpretation in respect to a request for refund originating from the Operator in view of the last paragraph of the Comptroller General's letter dated September 6, 1957, your attention is directed to the last sentence of that paragraph which provides that any royalty refund should be supported by a proper voucher or invoice. The Comptroller General's letter has been interpreted in the third paragraph of Mr. Chamber's letter dated September 25, 1957, as permitting the furnishing of a copy of an audit report or report of review showing an overpayment of royalty by the Operator or additional allowable costs. However, payment to the Operator is to be made only upon his request.

It is not our usual practice to make a royalty audit or report of royalty review in any case after a closing letter similar to the letter to this Operator dated December 11, 1953, has been sent. It is presumed that all matters pertaining to the contract, including any royalty matters, have been concluded to the satisfaction of the Government and that the Government's books and files are closed unless, of course, some fraud or misrepresentation should subsequently develop.

43683

Thus no report of royalty review should be prepared in this case or in similar cases. Also, there is no necessity for the transfer of funds involved in any case thus closed to a suspense account.

It is suggested that you continue to concentrate on the preparation of royalty audits or reports of royalty review in connection with certified projects, including "pseudos", which have never received audit attention nor on which a substantial period of time has elapsed since the prior audit or review. There are many Region III certified projects on which royalty has not been received recently and presumably no mining activity is being carried on. The audit status of such projects should be brought to date as rapidly as your schedule will permit.

CEFisher/GMcC
April 14, 1959

cc: Docket
Director's Reading File
CA & A Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado

April 10, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 13 1959

DATE	INITIALS	CODE
4-13	C	220
"	EET	800

Mr. E. D. Talbert, Acting Chief
Contract Administration and Audit
Division, OME
Department of the Interior
Interior Building
Washington 25, D.C.

Re: Docket No. DMEA 2304 (Tungsten)
L & P Mining Company
(Vasco No. 2 and No. 5 Mines)
Boulder County, Colorado
Contract No. Idm-E306

Dear Mr. Talbert:

In connection with preparation of a Report of Royalty Review for the subject contract the foregoing situation was encountered.

1. This contract which was dated April 21, 1952, was on Form MF-200 (June 1951).

2. Incidental to the exploration work a small amount of ore containing 104.73 units of WO_3 was produced and royalty payments totaling $157.08 were made.

3. According to the files of the Executive Officer of the Field Team, the Operator's final geological report was received in the Denver Office on November 3, 1953.

4. On October 26, 1953, the Operating Committee advised the Executive Officer of its concurrence with the Field Team's recommendation that no discovery be certified. The Committee outlined four reasons in connection with its decision.

5. On December 11, 1953, the Administrator advised the L & P Mining Company that there would not be an issuance of a Certification of Discovery or Development.

6. On December 16, 1953, the Executive Officer requested advice from the Administrator concerning the disposition of $157.08, received in payment of royalty.

7. On January 13, 1954, the Operating Committee advised the Executive Officer,

> "If the Operator requests a refund for the amount of royalty payment made on this project you are authorized to make the refund. (See Supplement No. 2 to DMEA Circular 26). Such action, however, should not be initiated by the Government."

8. DMEA Circular 26, Supplement No. 2, Jan. 26, 1953 states in part:

> "In any case where royalty payments have been made to the Government before certification, Certification may be made, even though further production may not be expected; but if certification is not made, such royalty payments must be repaid to the Operator." (Emphasis mine).

9. Reference is made to Mr. Chamber's letter dated September 25, 1957, regarding the Controller General's letter No. B-132441. Sept. 6, 1957 The third paragraph of Mr. Chamber's letter states in part:

> "It will be necessary to have a claim from the Operator before reimbursement of any kind can be made by the Government."

In connection with this statement in Mr. Chamber's letter it is respectfully suggested that it is possible a different interpretation might be placed upon the foregoing situation in respect to a request originating from the Operator. Please see the quotation in the Controller's letter of Question No. 1, regarding return of any amounts paid as royalty and the Controller General's answer in the last paragraph of the cited letter, dated September 6, 1957. (see last sentence)

Please advise me concerning the following points:

(a) Should a Report of Royalty Review be prepared in the instant case, if so, may such a report be submitted in letter form stating that royalty payments have been collected, which may be returned to the contractor. If such letter is proper please also advise if it should carry the admonition that payment may not be made unless the Operator files a claim. No No No

If such letter is satisfactory should a copy be mailed to the contractor? No

(b) If none of the alternatives set forth in (a) above are deemed proper should any action be taken such as advising the Executive Officer to place the funds involved in a suspense account.

Further action in this connection will be deferred pending your reply.

Sincerely yours,

Donald T. Finch

Donald T. Finch
OME Auditor

400

RECEIVED
APR 27 1956

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colorado

Date: April 24, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, DMEA Docket 2304 (Tungsten), Contract Idm-E306, L. & P. Mining Company - Colorado

WSM

Period: March, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

Lot No.	Dry Tons	Royalty Due	Royalty Pd.
		(NONE)	

Royalty

Totals:

Past Due Royalties Collected	None
Total Dry Tons (Ore or Cons.) Shipped to Date	52.518
Expiration Date of Royalty Repayment	April 21, 1962
Amount of Government Participation	$18,226.84
Total Royalty Payments to Date	$157.08
Percent of Loan Repayment	0.84%

W. M. Traver

vj

cc Royalty File E 306 w/Settlement Sheets
Monthly Royalty Payment File
~~T. A. Christensen~~
J. F. Shaw (2)
Chron.

FILE COPY
SURNAME:

Chamber
Holland
Martin
Selfridge
McDonough
Matthews

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

JAN 1 3 1954

Mr. [illegible] King
Executive Officer
[illegible] Field Team, Region IV
2[illegible] New Customhouse Building
Denver 2, Colorado

re: [illegible]-23[illegible], Adm-206 (Supplemental)
[illegible] and [illegible] Mining Company
Mines No. 2 and No. 5 Mines
Boulder County, Colorado

Dear Mr. King:

Reference is made to your memorandum of December 1[illegible] in regard to a refund for royalty payment made by the Operator of the above-cited contract.

If the Operator requests a refund for the amount of royalty payment made on this project you are authorized to make the refund (see Supplement No. 2 to DMA Circular 26). Such action, however, should not be initiated by the Government.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

CONCUR:

J. H. Hedges (JHB)
Member, Bureau of Mines

D. M. Larrabee (JHB)
Member, Geological Survey

JHChambers/tb
1/4/54

cc: Docket
Admr. Reading File
Operating Committee
Field Team, Region IV
Mr. Geehan, USBM
Mr. Thayer, USGS
Mr. Martin
Mr. Chambers

R.C.S.
1-13-54

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

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. and P. Mining Co.
Vasco No. 2 and No. 5 Mines
Boulder County, Colorado
Contract Idm-E306

Dear Mr. King:

Reference is made to your memorandum of December 16, 1953, on subject contract.

In regard to the royalty payment of $157.08 to the Government, you are to be guided by DMEA Circular 26, Supplement No. 2, wherein it is stated "but if certification is not made, such royalty payments must be repaid to the operator."

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

Not used.

A. H. Hedges
Member, Bureau of Mines

W. Farrabee
Member, Geological Survey

FILE COPY
SURNAME:

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

N Sin RR

January 4, 1954

Memorandum

To: Chief Counsel

From: Jay L. Chambers, Chief (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: [illegible]-2304, [illegible]-[illegible]306 (Tungsten)
L and I Mining Company

Attached you will find two letters to the Executive Officer in Region IV, in regard to repayment for royalty. One of these letters was prepared by this office and the other by Mr. Martin's office. The only difference is that my letter places the responsibility of initiating repayments on the Operator, where, in my opinion, it belongs. Mr. Martin's letter provides that the Government will voluntarily make the refunds of royalties deposited on projects which are not eventually certified.

This matter appears to be in the realm of finance, therefore I prepared the reply. The reply follows usual Government procedure on refunds. I believe Supplement No. 2 of DMA Circular 26 should be amended to the effect that while refunds in like cases are to be made, they should be made only on the basis of a claim presented to the Government.

Attachment

JLChambers/wb
January 4, 1954

Copy to: Docket
Admr. Reading File
Mr. Martin
Mr. Chambers

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

RECEIVED
DEC 21 1953

224 New Customhouse
Denver 2, Colorado

December 16, 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 2304 (Tungsten), Contract Idm-E306, L and P Mining Company

Reference is made to your letter dated December 11, 1953 to the L and P Mining Company stating that certification will not be made under contract Idm-E306.

Please advise us as to the disposition of $157.08, which has been received in this office in payment of royalty.

John F. Shaw
for W. H. King

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

224 New Customhouse
Denver 2, Colorado

November 3, 1953

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket No. DMEA 2304 (Tungsten), Contract Idm-E306, Stanley L. Larson and R.L. Plummer, doing business as L. & P. Mining Co., Vasco No. 2 and No. 5 Mines, Boulder County, Colorado

Enclosed are the following final reports relative to work performed under the subject contract:

1. Original and one copy of the operator's final report.

2. Original and three copies of the final geologic report by the U.S. Geological Survey.

3. Original and three copies of the final engineering report by the Bureau of Mines.

One small lens of ferberite ore was developed as a result of the exploration work and completely mined out during the operation, yielding about 51 tons of ore having a gross value of $3,271.30, on which a total royalty of $157.08 has been paid to the Government.

The engineering and geologic reports recommend that a certification be issued, however the Chairman of the Operating Committee, in a letter of October 26, 1953, indicates that the issuance of a certification of discovery or development is not warranted under the circumstances.

Final payment to the operator was processed in this office November 3, 1953, in conformance with the audit report and certificate from the Contract Administration and Audit Division, dated September 8, 1953. Final payment has been deferred pending receipt of the operator's final report, which was received today. The Washington office copies of the operator's Form MF-104 reports will be forwarded as soon as returned from the Fiscal Office, Region IV.

W H King
W. H. King

E.H. Haschman
for A. H. Koschmann

Contract No.
Idm-E 306

Docket No.
DMA-DMEA 2304

OPERATOR'S FINAL REPORT.

WORK DONE ON VASCO NUMBER FIVE MINE.

CLEAN AND RETIMBERED TUNNEL LEVEL AND LAID TRACK 480 FEET. PUMP WATER OUT OF WINZE TO 5TH., LEVEL 257 FEET. INSTALLED SKIDS AND REPAIRED WINZE, CLEAN AND REPAIRED ALL CAVES TO THE BREAST OF 5TH., LEVEL 635 FEET. INSTALLED TRACK AND AIR LINE TO THE BREAST. RUN RAISE UP TO 82 FEET. RUN SUB LEVEL OFF OF RAISE NO. ONE 38 FEET TO SOUTHWEST. RUN RAISE OFF SUB LEVEL 26 FEET. STOPED OUT ALL ORE ABOVE THE SUB LEVEL TO THE WILLIAMS WINZE. RUN RAISE NO. TWO UP 52 FEET 8 INCHES. NO ORE IN RAISE.

REMOVED ALL EQUIPMENT FROM MINE.

L. & P. MINING CO.

BY R. G. Plumer
PARTNER.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

RECEIVED

June 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2304, Vasco Nos. 2 and 5 Mines, Boulder County, Colorado.

Attached are 8 copies of the final geologic report by D. R. MacLaren, covering exploration contract Idm-E306 (DMEA Docket 2304) Vasco Nos. 2 and 5 mines, Boulder County, Colorado.

A program of rehabilitation, raising and sub-level drifting resulted in the discovery of a small ore shoot on the Vasco No. 5 vein, or a split from it, in the area beneath the Williams winze. This small ore body, now mined, contained about 30 tons of ore averaging 2.51% WO_3. At the request of the applicant the raise on the junction of the Vasco No. 2 and Vasco No. 5 veins was abandoned after being driven to a height of 52 feet. MacLaren recommends that a certification of discovery be made.

I concur in this recommendation.

E. N. Hackman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

FT. FINAL RPT.

Reviewed by
DMEA OPERATING COMMITTEE
11-16-53
(date)

VASCO NOS. 2 AND 5 MINES

BOULDER COUNTY, COLORADO

STANLEY LARSON AND R. C. PLUMMER

DMEA DOCKET 2304

Final Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE

11-16-53
(date)

VASCO NOS. 2 AND 5 MINES
BOULDER COUNTY, COLORADO

INTRODUCTION

Stanley Larson and R. C. Plummer applied to the Defense Minerals Exploration Administration (DMEA Docket 2304) for assistance to explore for tungsten in the Vasco Nos. 2 and 5 mines near Nederland, Boulder County, Colorado. The applicants proposed to unwater, repair, and equip the Vasco Nos. 2 and 5 shafts; to drift about 350 feet from the No. 5 shaft; and to do some unspecified work in the Vasco No. 2 mine. The estimated cost of this proposed work was $25,000.

After examining the property and conferring with the applicants, the examining team recommended approval of a revised program that would allow for unwatering and equipping the Vasco No. 5 shaft; rehabilitating the 5th level from the No. 5 shaft; driving of two raises 75 feet and 175 feet respectively; and driving 100 feet of sub-level from either or both of the raises. The revised estimated cost was $18,000 (Government's share 75% or $13,500). Contract Idm-E306, authorizing the recommended work, was signed April 21, 1952. By amendment to the contract on February 17, 1953, the authorized amount of money that could be spent was increased to $25,000 (Government's share $18,750). The latter part of May 1953 at the request of the applicant, the contract was terminated and a final examination and evaluation of the results of the work was made.

It is concluded that about 30 tons of ore having an average grade of 2.51% WO_3 and containing about 74 units WO_3 have been discovered and that all of this ore has already been mined. Therefore, it is recommended that a discovery be certified.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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EXPLORATION

Prior to the signing of Contract Idm-E306 a 32-foot raise had been driven from the 5th level of the Vasco No. 5, about 300 feet southwest of the shaft (fig. 1). Under the terms of the contract this raise was to be continued about 43 feet, or to a height of 75 feet above the track on the 5th level. The raise was expected to connect with, or terminate close to, the lowest level of the Williams winze workings. The raise was driven to a height of 82 feet above the track. The upper part of the raise was inaccessible at the time of the examination, but Ogden Tweto, of the U. S. Geological Survey, who was in the raise while it was being driven, reports that at a height of 70 feet the vein comprised 12 to 18 inches of silicified granite seamed by gray horny quartz with a few veinlets of black horny quartz containing a little ferberite. At a height of 41 feet above the track, a sub-level was turned for about 40 feet to the southwest. A small streak of ore about 15 feet long with a maximum vein width of about 20 inches was encountered in the sub-level, starting about 8 feet from the raise. This ore has been stoped to a height of about 38 feet above the floor of the sub-level, or 79 feet above the track on the 5th level.

According to mine maps and sections, the back of the stope should be high enough to have connected with the underhand stope below the lowest Williams winze level (fig. 2). Section A-A, through the No. 5 shaft, and section B-B, through the raise (fig. 1) were drawn in order to determine why no connection was made. The average angle of dip of the No. 5 vein in section A-A is $62\frac{1}{2}^{\circ}$ and in section B-B is 67°, the difference being well within the limits of dip variation for this vein as observed on the different mine levels. However, the lowest Williams winze workings appear in section

B-B to be about 50 feet southeast of the back of the stope. Therefore, either the No. 5 vein must split below the tunnel level, or the old surveys on which the map is based are considerably in error. In all probability, both possibilities are true.

About 20 feet back from the southwest breast of the 5th level a raise was to have been driven to a height of 175 feet above the track, on the junction of the No. 2 and 5 veins. The raise was driven to a height of only 52 feet above the track. At a height of about 20 feet, the No. 2 vein died out but the No. 5 vein continued to the face. The No. 5 vein is made up of sheared and silicified schist as much as 8 inches wide with light gray horny quartz veinlets up to 3 inches wide. No ferberite was seen. The applicant did not wish to continue this raise further, and asked that the contract be discontinued.

ORE DISCOVERY

The only ore discovered by this project was that mentioned on the sub-level. At the time of the examination it was all mined. Settlement sheets show that the following ore has been shipped:

	Gross lbs. ore	Net lbs. ore	% WO_3	lbs. WO_3	Units WO_3
	11,652	9,959	1.40	139.426	6.971
	2,287	2,264	17.50	396.200	19.810
	24,005	21,605	1.55	334.878	16.744
	7,125	7,054	5.60	395.024	19.751
TOTAL (Net)		40,882	3.10	1,265.528	63.276
TOTAL (Gross)	45,069		2.78	1,265.528	63.276

The difference between gross and net weights is loss due to moisture.

In addition to the ore shipped, there remains on the stock pile at the portal of the No. 5 tunnel some 12,000 lbs. (gross) ore estimated to average 1.55% WO_3 and 2,000 lbs. (gross) ore estimated to average 5.60% WO_3. The loss in weight due to moisture for these grades of ore already shipped was 10% for ore averaging 1.55% WO_3 and 1% for ore averaging 5.60% WO_3. Therefore, the total amount of ore discovered is estimated to be:

	Gross lbs. ore	Net lbs. ore	% WO_3	lbs. WO_3	Units WO_3
Shipped ore:	45,069	40,882	3.10	1,265.528	63.276
Stockpiled:	14,000	11,880	1.07	227.880	11.394
TOTAL (Net)		52,762	2.83	1,493.408	74.670
TOTAL (Gross)	59,069		2.52	1,493.408	74.670

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that 23 tons of 2.78% ore containing 63 units of WO_3 which have already been shipped, and 7 tons of 1.07% ore containing 11 units WO_3 which are on the stock pile at the portal of the Vasco No. 5 tunnel, make up the entire amount of ore discovered by this project.

It is recommended that a discovery of 30 tons of ore having an average grade of 2.51% WO_3 and containing 74 units of WO_3 be certified.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OF THE INTERIOR
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NOV 20 1953

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 11, 1953

Mining Division
Date Rec'd
SEP 11 1953
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), Vasco No. 2 and 5 mines, L. and P. Mining Company, Boulder County, Colo.

Please find enclosed the original and eight copies of R. L. Bolmer's final engineering report on the subject project.

Bolmer concludes the exploratory work was performed in accordance with terms of the contract and costs were not excessive or unreasonable considering the conditions encountered. The mine has been allowed to fill with water and further exploration or development, financed either privately or with Government assistance, is not considered warranted or is it recommended. One small lens of ferberite was developed and completely mined out, yielding about 51 tons averaging 2.03 percent WO_3 with a gross value of $3,271.30, on which a total royalty of $157.08 was paid the Government.

A certification of discovery can be made in accordance with Mr. Ellis' letter of August 27, 1953, but the small tonnage resulting from the operations, in our opinion, does not warrant such action.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc: 8
E306
DMEA Chron.

Reviewed by
DMEA OPERATING COMMITTEE
11-16-53
(date)

PROPERTY OF THE [illegible]
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[illegible] 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

FINAL ENGINEERING REPORT

DMEA 2304, Exploration Project Contract Idm-E306

Vasco No. 2 and No. 5 Mines

L. and P. Mining Company

Boulder County, Colo.

Tungsten

R. L. Bolmer, Mining Engineer
Bureau of Mines

August 18, 1953

Reviewed by
DMEA OPERATING COMMITTEE
11-16-53
(date)

DMEA 2304
Contract Idm-E306

VASCO NO. 2 AND NO. 5 MINES
L. AND P. MINING COMPANY
BOULDER COUNTY, COLO.

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ILLUSTRATIONS

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2. Plan map, Vasco No. 2 and No. 5 mines, Boulder County, Colo.	4

DMEA 2304
Contract Idm-E306

VASCO NO. 2 AND NO. 5 MINES
L. AND P. MINING COMPANY
BOULDER COUNTY, COLO.

FINAL ENGINEERING REPORT

By

R. L. Bolmer

SUMMARY AND INTRODUCTION

Exploratory work for tungsten at the Vasco No. 2 and No. 5 mines, Boulder County, Colo., as authorized under Exploration Project Contract Idm-E306, was completed May 29, 1953. Under the program, the mines were unwatered, an underground shaft and a lower level drift were rehabilitated, and the Vasco No. 2 and No. 5 veins were explored by raising and sub-level drifting from the lower level. The rehabilitation required on the lower level was of considerably greater extent and more costly than had been anticipated.

No significant discovery of tungsten ore resulted from project work. A single, small lens of ferberite ore was opened through the exploration. The ore, while of good grade, was very limited in extent and had been wholly mined before the exploration program was completed. In all, about 100 tons of ore were mined, of which approximately 51 tons of upgraded material, averaging 2.03 percent tungsten trioxide and having a gross value of $3,271.30, was marketed.

The accepted costs incurred by the project, subject to final audit or review by the Contract Administration and Audit Division, were $24,908.62. Liquidation of salvable property reduced the cost of the project by $600.00, or to $24,308.62. Government participation in the net accepted costs of the project was 75 percent, or $18,231.46. Incurred costs accepted under the terms of the contract were considered justified and not excessive. All work performed and all costs accepted conformed to the provisions of the contract. Operations under the contract were prosecuted efficiently and in accordance with good mining standards.

Project work commenced April 21, 1952, and was pursued continuously until May 19, 1953, at which time authorized contract funds were nearly exhausted and additional work, based on results thus far indicated, was not warranted. Work under the contract was stopped by mutual agreement with the operator, and demobilization of the project followed immediately.

LOCATION AND OWNERSHIP

The Vasco No. 2 and No. 5 mines are within the Vasco Tract, a patented agricultural acreage comprising the SW1/4 sec. 8, T. 1 S., R. 72 W., sixth principal meridian, Boulder County, Colo. The mines are located at the village of Tungsten, about 2 miles east of Nederland, Colo., via State Highway 119 (fig. 1). The tract is owned by Hetzer Mines, Inc., of Boulder, Colo. That portion of the tract occurring south of the intersection of the lower Vasco No. 5 tunnel and the Vasco No. 5 vein is leased to the operators under Exploration Project Contract Idm-E306.

HISTORY AND PRODUCTION

Tungsten was discovered at what was later to become the Vasco No. 5 mine in 1905, and at the Vasco No. 2 mine shortly thereafter. The tract was purchased by the Vanadium Alloy Steel Company in 1915. This company operated the Vasco group of mines continuously until 1919. A production valued in excess of $2,000,000.00 is reported. In 1925, the property was sold to the Tungsten Production Company. Mining and development of the group were continued. The Vasco No. 6 mine, developed by this company, alone produced over $1,000,000.00 in ore. Spasmodic work was performed in several of the mines during World War II. The property was purchased by the present owner in 1950 and has been leased, in part, since that time. In 1951, the Vasco No. 5 mine produced $5,000.00 in ore.

DESCRIPTION OF DEPOSIT

The Vasco No. 2 and No. 5 mines are in a gneissic granite that occurs in a transition zone between a granite batholith and its schist wall rock. The main Vasco No. 2, 5, and 8 veins intersect to form a continuous vein system (fig. 1 with the geologic report, Docket DMEA 2304). The general trend of the system is northeast and it dips 50° to 80° northwest. Local splits and branches are common off the main system. The veins are typical of others in the district, being generally narrow and predominately quartz. Much of their length is barren of other mineral but sections containing ferberite mineralization occur at places and in some instances its grade and extent is great enough to be classed as an ore shoot.

Two main ore shoots were mined on the No. 5 vein (fig. 3 with the geologic report, Docket DMEA 2304). One such shoot, worked from the surface and through the Vasco No. 2 shaft to the bottom of the Williams winze, reportedly contained good ore in the bottom of the winze. The extension with depth of this ore shoot was one objective of the exploration program. A second objective was the extension with depth of an ore shoot indicated at the junction of the No. 2 and No. 5 veins.

Figure 2 shows the development of the Vasco No. 2 and No. 5 veins and also exploration completed under the contract. Prior to the start of contract work, the lower No. 5 tunnel was accessible as far as the No. 5 underground shaft. All workings in the two mines below the lower No. 5 tunnel were flooded.

The opening of the fifth level southwest off the No. 5 shaft permitted an inspection of the No. 5 vein for some 700 feet at a depth of 220 feet below the tunnel. The vein was continuous but quite narrow throughout the distance. Ferberite was not observed along the vein at this depth.

An existing 30-foot raise (Raise No. 1, fig. 2), some 300 feet southwest of the shaft, was extended 50 feet under the contract. The raise exposed several inches of ferberite on the No. 5 vein between a height of 35 and 40 feet, which was explored by a sublevel drift southwest off the raise. Brecciated ore of good grade, 15 to 18 inches in width, was encountered along the sublevel, raking upward to the

southwest. The ore was localized in an aplite dike. Some 40 feet southwest of the raise, the vein passed beyond the dike into schist and ceased to carry mineral. A stope begun from the sublevel followed the rake of the ore upward for approximately 40 feet but was stopped when the width and grade of the mineral became noncommercial. The No. 5 vein in the upper portions of the raise was barren.

The No. 2 vein junctions with the No. 5 vein near the southwest end of the fifth level. It contained small fragments of mineral at the intersection. A raise (Raise No. 2, fig. 2) was driven for 47 feet on the junction of the two veins. The No. 2 vein continued to show an occasional fragment of mineral to a height of 20 feet in the raise. Beyond this point, it weakened and finally died out. The raise was continued the remaining distance on the No. 5 vein. This vein had been barren throughout the raise and weakened to about two inches of quartz and gouge toward the top of the raise.

WORK COMPLETED UNDER THE CONTRACT

Initial work under the contract commenced April 21, 1952, with the extension of power lines to the portal of the lower No. 5 tunnel. A power cable was extended from this source to the No. 5 underground shaft station via the lower No. 5 tunnel and connected into a hoist at the station and a pump in the shaft. A headframe with dumping facilities was constructed after caved ground had been cleaned out and the shaft station retimbered. A single-drum, geared hoist was installed in the station.

Pumping was begun from the No. 5 shaft. Stulls were replaced and skids and ladders were installed in the shaft as the water level was lowered. By the end of June 1952 the fifth, or bottom level, off the shaft had been unwatered and the shaft repaired to that depth. Rehabilitation of the fifth level southwest from the shaft was begun. During this period a compressor and motor were installed at the portal of the lower No. 5 tunnel and an air line was laid along the tunnel, down the shaft, and along the fifth level as it was rehabilitated.

The fifth level northeast off the No. 5 shaft was accessible for its full distance; southwest off the shaft, however, the level was in very poor condition, much worse than had been anticipated. Several sections of the drift, up to 100 feet in length, were caved tight. Much of the timber along these sections, while not broken and for the most part reusable, had to be dug from the muck and restood. New top and side lagging was necessary in many instances. Caved ground was hand loaded into buckets, trammed on dollies to the shaft, and hoisted to the tunnel level. On the tunnel level, the material was dumped into mine cars and hand-trammed some 500 feet to the portal. Mine track was extended as the fifth level was opened.

A 30-foot raise, encountered on the fifth level about 300 feet southwest of the shaft, was in the approximate location of an authorized 75-foot raise to the Williams winze workings. This raise (Raise No. 1, fig. 2) was retimbered and extended 50 feet, or to 80 feet above the back of the fifth level drift. The 50-foot extension placed the raise a few feet higher than the lowest workings reported in the winze; however, a connection was not made into these workings.

A sublevel drift, started on a showing of mineral 35 feet in Raise No. 1, was advanced 40 feet southwest on the vein and stopped when mineralization died out.

During rehabilitation work, the water level remained above the 87-foot level in the Vasco No. 2 shaft. The Williams winze workings below this level also were under water. It had been reported that the winze would drain when the No. 5 shaft and lower levels were unwatered. The exact extent of workings in the winze was unknown. The operator, upon orders of the State Commissioner of Mines, drilled several long-holes from the sublevel in an attempt to tap the water in the winze. Water in the winze was not tapped, but permission to continue the sublevel was granted providing long-holes were carried ahead of the face.

After a pump was installed in the No. 2 shaft and the water had been lowered to below the 87-foot level, the winze workings were inspected and found to be full of water. The 87-foot level subsequently caved and further inspection of the water level in the winze became impossible. Pumping from the No. 2 shaft was continued and, later during the project, the water flowing from the No. 5 vein along the sublevel decreased considerably. It was believed that the winze workings eventually drained.

The operator subleased the ore opened along the sublevel. The sublessee stoped the ore for approximately 40 feet above the sublevel, at which height the mineral narrowed and became too siliceous to be commercial and the stope was abandoned. (Production resulting from exploration and stoping on and above the sublevel is listed in an appendix to this report).

During stoping operations by the sublessee, the operator continued rehabilitation to the face of the fifth level, some 710 feet southwest of the No. 5 shaft. A vein, identified as the Vasco No. 2 vein, junctioned with the No. 5 vein near the breast of the level. The operator began an authorized raise (Raise No. 2, fig. 2) on the junction of the two veins. Results were disappointing; the No. 2 vein died out within 20 feet and the raise was continued to 46 feet on the barren and weakening No. 5 vein. Authorized funds were nearly exhausted and raising was stopped May 19, 1953, by mutual agreement of the operator and Defense Minerals Exploration Administration representatives. Demobilization was begun immediately. Track on the lower level was not salvaged. All pipe, electrical cable, and other equipment had been removed from the mine by May 29, 1953, and the workings below the lower No. 5 tunnel had begun to flood.

EXPENDITURES

Monthly, for the duration of the project, the operator reported the costs incurred for work authorized under the contract. Of the incurred costs reported by the operator, amounts totaling $24,908.62 were accepted subject to final audit or review by the Contract Administration and Audit Division, as allowable and justified expenses incurred for work authorized under the contract. A corrected distribution of the accepted incurred expenses of the project to the various items of cost is as follows:

Item of cost	Incurred costs accepted subject to final audit or review by Contract Administration and Audit Division (Corrected distribution)
Labor	$17,809.66
Operating Materials and Supplies	
Timber	336.23
Explosives	356.87
Pipe	183.18
Track	73.07
Electrical power	1,063.32
Other supplies	1,112.43
Operating Equipment Purchased	1,427.10
New Buildings, Improvements (extension of electrical power to mine)	1,016.51
Miscellaneous	
Repairs to equipment	246.30
Payroll taxes	267.16
Liability insurance	350.12
Bookkeeping	666.67
Total accepted costs	$24,908.62

A $1,223.00 construction deposit for power installation at the mine originally was approved as a cost of the project. At the completion of operations the operator received, as refund on this deposit, 20 percent of the cost of power consumed during the first year of operation. Only part of the total cost of power consumed at the property, or $1,032.47, was reported as a cost of the exploration project, during the first year of operation. Twenty percent of this amount, or $206.49, therefore was credited to the accepted costs of the power line installation.

EFFICIENCY OF OPERATION

In general, operations under the contract were conducted efficiently and according to good mining practice. The unwatering of the lower workings took longer and was necessarily more costly than had been estimated. The rehabilitation required on the lower level far exceeded the estimates. The drilling of long-holes ahead of the raise and sublevel drift and the additional pumping necessary from the No. 2 shaft as safety precautions also increased the costs of the project.

The authorized contract funds were increased by $8,000.00, or to $25,000.00, in order to provide for completion of the program as recommended. Had conditions warranted, additional funds would have been required to complete the full authorized program. The costs in excess of the amount originally estimated were not a reflection on the efficiency of the operation but on the unusual and unforeseeable conditions encountered.

The unit costs experienced for raising and sublevel drifting are not considered excessive considering the condition and circumstances under which the work was performed. The cost of drilling long-holes above the sublevel is included with the cost of drifting in the following distribution of costs to operations:

Operation	Units Completed feet	Cost	Unit Cost per foot
Drifting	40	$ 1,647.44	$41.19
Raising	97	4,155.98	42.85
Underground preparation, rehabilitation, demobilization	-	16,661.59	-
Total distributed costs		$22,465.01	
Operating Equipment purchased		1,427.10	
New buildings, improvements		1,016.51	
Total costs		$24,908.62	

EQUIPMENT

Of the total property purchased with funds contributed jointly by the operator and the Government, only the following listed items were unexpended at the completion of the project and salvable under the terms of the contract:

Item	Cost to project
Operating Materials and Supplies	
Pipe, fittings	$ 183.18
Electric cable	277.50
Operating Equipment Purchased	
2 hoisting buckets, 1 mine car	61.20
I-R, Imperial type 10, 14- by 12- by 7-1/2-inch (350 cfm) air compressor	459.00
G. E., 50 horsepower induction motor and starting compensator	591.60
Vail centrifugal pump	15.00
3 electrical switches	225.00
Total cost	$1,812.48
Government equity (75 percent)	$1,359.36

The operator unsuccessfully canvassed mine operators and equipment dealers in an attempt to obtain bids on the salvable property. Advertisements published in local newspapers were equally unproductive. The company itself had no anticipated use for the property but submitted a bid of $600.00 on its salvage value in order that the contract could be formally terminated and in the hope that the property could be disposed of at a later date.

The bid by the operator represented approximately one-third of the purchase price of the property considered salvable and was accepted by the Executive Officer, Defense Minerals Exploration Administration Field Team, Region IV. The Government's equity of 75 percent in the salvable value of the property was withheld from the final settlement of the project account.

As a result of the liquidation of salvable property, the net accepted cost of the project became $24,308.62. The Government's participation in the net accepted costs of the project, subject to final audit or review, was 75 percent, or $18,231.46.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that exploration at the Vasco No. 2 and Vasco No. 5 mines was performed as authorized under Exploration Project Contract Idm-E306. The costs incurred under the program, as accepted by the Defense Minerals Exploration Administration, were considered necessary and not excessive.

The operator has abandoned the property and allowed the lower mine workings to fill with water. Further exploration of the property is not anticipated and none is recommended. No further production will be forthcoming from the mines in the foreseeable future. The small lens of ferberite ore opened through exploration work has been completely mined out.

APPENDIX

VASCO NO. 5 MINE PRODUCTION

(From ore discovered through exploration under Contract Idm-E306)

Date of Shipment	Lot number	Dry weight pounds	Assay percent WO_3	Tungstic acid pounds	Price per pound	Gross value	Government royalty
3/10/53	414	9,959	1.40	139.43	$1.286	$ 179.31	$ 8.47
3/20/53	432	2,264	17.50	396.20	2.21	875.60	43.78
3/25/53	439	21,605	1.55	334.88	1.282	429.32	20.86
3/25/53	440	7,054	5.60	395.02	1.85	730.79	36.36
5/29/53	483	9,594	2.60	249.44	1.35	336.74	16.59
6/ 4/53	495	1,272	10.50	133.56	1.76	235.07	10.60
6/ 4/53	496	13,680	1.00	136.80	1.15	157.32	6.27
6/ 7/53	497	3,098	2.30	71.25	1.35	96.19	3.58
5/28/53 6/22/53	481) 521)	34,507	0.69	238.10	0.97	230.96	10.57
Total		103,033		2,094.68		$3,271.30	$157.08
(Average)			(2.03)		($1.56)		

All production purchased by Hetzer Mines, Inc., Boulder, Colo.

FILE COPY
SURNAME:
400

Rutledge
Martin
Geehan
Thayer
Selfridge
R.J. Mason

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

OCT 26 1953

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-E306

Dear Mr. King:

Reference is made to the subject docket, R. L. Bolmer's memorandum of September 18, 1953, to the Chief, Mineral Resources Branch, Mining Division, Region IV, and W. M. Traver's memorandum of transmittal to the Executive Officer, DMEA Field Team, Region IV. After a review of the foregoing we concur with the Field Team's recommendation that no discovery be certified.

This decision is further justified by the following reasons:

1. The small amount of ore discovered; 51.52 dry tons containing 104.73 units of WO_3.

2. The Operator's cessation of mining operation even before the exploration program was completed.

3. The Operator's abandonment of the property at the completion of the referenced contract, with subsequent flooding of the mines.

4. The Owner of the property does not contemplate further exploration or anticipate any production from the mine in the foreseeable future.

FARUTLEDGE:foc
10-19-53
cc: Docket
Code 400
FT. Reg. 4
Oper. Comm.
Adm.Read.File
R.W. Geehan,BM
T.P.Thayer,GS

Sincerely yours,

cc 10-26

George C. Selfridge
Chairman, Operating Committee (2/3)

APPROVED:

J. H. Hedges
Member, Bureau of Mines (2/3)

T. P. Thayer
Member, Geological Survey (2/3)

FILE COPY
SURNAME:

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Rutledge
Martin
Oldham
Boyle
Chambers
Thayer

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

L. & P. Mining Co.
725 W. 39th Avenue
Denver 16, Colorado

Re: Docket No. DMEA 2304 - Tungsten
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-E306

Gentlemen:

Transmitted herewith is a Certification of Discovery or Development under Contract No. Idm-E306 on the Vasco No. 2 and No. 5 mines leased by the L. & P. Mining Company.

By the terms of the Exploration Project Contract and of the Certification, all production from the aforesaid lands from the date of the Exploration Project Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $18,226.84 is paid or until April 21, 1962, whichever occurs first.

Payments should be made to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado. Checks should be payable to the Treasurer of the United States. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check direct to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the tungsten products sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify Mr. King of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify Mr. King at 6-month intervals that no production has been made, when that is the case.

Sincerely yours,

Administrator

Enclosure

FARutledge:foc 10-6-53
cc: Docket
Code 400
Adm. Reading File

cc: FT. Reg. 4
Oper. Comm.
R. W. Geehan, USBM
Mary Miller

Materials Div. EPS, GSA
Mr. Johnson- Code 110
Mr. Chambers - Code 800
Mr. Thayer, USGS

Mr. Geehan, USBM
Mr. [illegible], USGS

FILE COPY
SURNAME:

Rutledge
Martin
A. J. Rose
Smith
Chamberlyn
Thayer
Mulpa

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

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Stanley L. Larson and R. G. Plummer, d/b/a
L. & P. Mining Company
725 W. 39th Avenue
Denver, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E306, dated April 21, 1952, (Docket No. DMEA 2304) hereinafter called the "Contract" between the L. & P. Mining Company and the United States of America, hereinafter called the "Government," to establish and fix the Government's percentage royalty on production and its lien thereon and on the mineral deposit which is the subject of the exploration project, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made.

The Government's estimate of said discovery or development is particularly described and delimited as follows:

Exploration from the fifth level of the Vasco No. 5 shaft exposed a small ore body in the Vasco No. 5 vein on the sublevel 35 feet above the fifth level. This ore body is approximately 300 feet southeast of the Vasco No. 5 shaft.

Commercial grade ferberite exposed along the back of the sublevel for about 30 feet was stoped to a height of 40 feet producing 104.73 units of tungsten trioxide.

Dated: _____

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

Copy to: Mr. Gumbel, Director, Materials Div. EPS, GSA
Hetzer Mines, Inc. - Lessor
Docket
Field Team, Reg. IV
Operating Comm.
Adm. Reading File
Finance Office
Code 400 - Mr. Martin
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
J. H. Hedges, USBM
R. W. Geehan, USBM
D. M. Lemmon, USGS
T. P. Thayer, USGS

FARutledge:foc
10-6-53

FILE COPY
SURNAME:

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

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Rutledge
Martin
Chambers
Thayer
Kahn

Hetzer Mines, Inc.
250 Pearl Street
Boulder, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-E306

Gentlemen:

Transmitted herewith for your information is a copy of the Certification of Discovery or Development issued as a result of the exploration program under Contract No. Idm-E306, L. & P. Mining Company. The property as set forth in the contract was leased to the L. & P. Mining Company by Hetzer Mines, Inc., on December 12, 1951, and is the same property referred to in the Landlord's Subordination Agreement executed April 21, 1952.

By the terms of the Exploration Project Contract and of the Certification, all production from the aforesaid lands from the date of the Exploration Project Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $18,226.84 is paid or until April 21, 1962, whichever occurs first.

Sincerely yours,

Administrator

FARutledge:foc 10-6-53
cc: Docket
Field Team, Reg. IV
Operating Committee
Admr. Reading File
Code 400 - Mr. Martin
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
J. H. Hedges, USBM
R. W. Geehan, USBM
D. M. Lemmon, USGS
T. P. Thayer, USGS

Enclosure

FILE COPY
SURNAME:

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

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Rutledge
Martin
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Anton
Clapp
Thayer
Kuhn

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-8306

Dear Mr. King:

Enclosed is a copy of a "Certification of Discovery or Development" on the above-noted property.

This Certification has been issued prior to the Field Team's final report in order to stay within the 6-month period after completion of the project.

Sincerely yours,

Chairman, Operating Committee

Enclosure

FARutledge:foc 10-6-53
cc: Docket
Field Team, Reg. IV
Operating Committee
Admr. Reading File
Code 400 - Mr. Martin
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
J. H. Hedges - USBM
R. W. Geehan, USBM
D. M. Lemmon, USGS
T. P. Thayer, USGS

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

FILE COPY
SURNAME:

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

400
Rutledge
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Ashare
Ambrose
Clegg
Thayer
Gulick

Mr. Irving Gumbel, Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMRA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-E306

Dear Mr. Gumbel:

Enclosed is a copy of a "Certification of Discovery or Development" for the above-noted project. As soon as we receive the field team final report and the operator's final report, we shall supply you with such data as have accompanied the transmittal to you of previous certifications.

Contract No. Idm-E306 was signed April 21, 1952, with the Government participating to the extent of 75 percent in an exploration project estimated to cost $18,000.00. This contract was amended (Amendment No. 4, dated February 17, 1953, and effective as of the date of the said contract) to increase the total amount of the project to $25,000.00: Government's share, $18,750.00. Of the latter amount, $18,226.84 was expended.

Work under the contract, which allowed for rehabilitation of the shaft and fifth level of the Vasco No. 5 mine, raising at two locations from the fifth level not to exceed a total of 250 feet, and driving approximately 100 feet of sublevel drifts from the raises, was started April 21, 1952. Total footages driven were 97 feet of raise and 40 feet of sublevel drift. The project was brought to a close May 23, 1953, upon depletion of the allotted funds and discouragement of the Operator.

A small ore body in the Vasco No. 5 vein on a sublevel 35 feet above the fifth level of the Vasco No. 5 mine was exposed by the work performed under the subject contract. The ore body is approximately 300 feet southwest of the Vasco No. 5 shaft. Sufficient work was done to establish that the ore body was of limited extent and stoping of ore by the Operator confirmed this fact. Commercial grade ferberite exposed along the back of the sublevel for about 30 feet was stoped to a height of 40 feet, resulting in the production of 51.52 dry tons of ore containing 104.73 units of tungsten trioxide. The gross value of the production was $3,271.30 and the Government has received in royalty $157.08, or 5 percent of the net value of the production.

Although the total production is expected to be small, a certification of discovery or development has been issued in order that the Government may retain the royalties voluntarily paid by the Operator on this production.

Sincerely yours,

Administrator

Enclosure

FARUTLEDGE:foc
10-6-53
cc: Docket
Field Team, Reg. IV
Operating Committee
Admr. Reading File
Code 400 - Mr. Martin
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
J. H. Hedges, USBM
R. W. Geehan, USBM
D. M. Lemmon, USGC
T. P. Thayer, USGS

Docket

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

224 New Customhouse
Denver 2, Colorado

September 23, 1953

Mr. R. L. Plummer
c/o Colorado Constructors
General Delivery
Walden, Colorado

WSM

Re: Docket No. DMEA 2304
Contract Idm-E306
L. & P. Mining Co.

Dear Mr. Plummer:

Before we can make final settlement under the referenced contract, it is necessary that we receive the Operator's final report, in conformance with Article 14 of Exploration Project Contract Form MF-200 on which the contract was prepared.

We inquired of the Denver office of the L. and P. Mining Company, as to the status of the report, and were informed by Mr. Lamsden that you were the only one qualified to prepare the final report.

We now need five copies of the report, complete with maps and other data relevant to the work performed, in lieu of the four copies specified under Article 14.

Please submit the required report at your earliest convenience so that we can effect the final settlement and close the account.

We will appreciate advice from you as to the approximate date by which we can expect to receive the report.

Very truly yours,

W. H. King

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

JWT:es

cc: Contract
Sec. to the Oper. Comm.
L & P Mining Co., Denver, Colo.
Townsend
Traver
Chron.
Koschmann (2)

Copy retained 400

Twedo?

Bolmer's recommendation does not indicate there's any more work in sight

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

224 New Customhouse
Denver 2, Colorado

September 23, 1953.

Memorandum

To: Secretary of the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Data relating to Certification of Discovery - Docket No. DMEA-2304, Contract No. Idm-E306 (Tungsten), L. and P. Mining Company.

Enclosed are four copies of data relating to Certification of Discovery on Contract No. Idm-E306.

W. H. King

W. H. King

Enclosures

Re. 4 - August Report

E306 DMEA-2304 - L. and P. Mining Company (Tungsten), Boulder County, Colo.

Funds have been exhausted. The pipe, pumps, electric cable, and hoist were removed from the mine.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 18, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 2 and No. 5 mines), Boulder County, Colorado - Data relating to certification of discovery

Enclosed are the original and eight copies of R. L. Bolmer's report concerned with a certification of discovery on DMEA 2304, Contract Idm-E306.

The operators mined out completely the small ore body disclosed by the operation and abandoned the mine. They do not contemplate further exploration nor is it anticipated that such work will be undertaken by anyone else in the foreseeable future.

In view of the small reserves developed we do not recommend certification. However, if it is decided that one should be made the original and three copies of form A are attached describing the discovery.

W. M. Traver

W. M. Traver

Enclosures

WMT/le

cc 8
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 18, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 2 and No. 5 mines), Boulder County, Colorado - Data relating to certification of discovery

The Vasco No. 2 and No. 5 mines, within the Vasco Tract, a patented agricultural acreage comprising the SW1/4 sec. 8, T. 1 S., R. 72 W., sixth principal meridian, Boulder County, Colorado, were explored under exploration project Contract Idm-E306. The contract, dated April 21, 1953, was prepared on the old form, MF-200 (June 1951). The property rights listed in the contract included that portion of the tract known as the Vasco No. 2, No. 5, and No. 8 veins occurring south of a line drawn from the intersection of the Vasco No. 5 tunnel with the Vasco No. 5 vein and running thence west to the west line of the section. The operator under the contract and lessee of the described property is Stanley L. Larson and R. L. Plummer; doing business as L. and P. Mining Company, 725 West 39th Avenue, Denver 16, Colorado. The owner and lessor of the property is Hetzer Mines, Inc., 250 Pearl Street, Boulder, Colorado.

Exploration under the program resulted the discovery of a single, small ore body in the Vasco No. 5 mine. The discovery was on the Vasco No. 5 vein, above a fifth level drift, some 300 feet southwest of the Vasco No. 5 shaft. The lower extent of the ore body was explored by a sublevel drift driven 35 feet above the fifth level. Ferberite of commercial grade and width was exposed for nearly 30 feet along the back of the sublevel. Stoping of the discovery proved the ore to be very limited in extent. The width and grade of the mineral became noncommercial within a stoping height of 40 feet and mining operations were stopped even before the exploration program was completed.

In all, about 100 tons of ore were extracted from the discovery, of which 51.52 dry tons of upgraded material containing 104.73 units tungsten trioxide were marketed. The gross value of the production was $3,271.30. The Government was paid a royalty of $157.08, or 5 percent of the net value of the production. No other discovery was made as a result of the program. The operator has abandoned the property and the mines have been allowed to flood.

The small production resulting from the discovery is considered insignificant. The discovery has been depleted and other possible sources of production from the property are not apparent. The owner of the property does not contemplate further exploration nor anticipate any production from the mines in the foreseeable future. Under these circumstances a certification of discovery under the subject contract is not considered warranted nor is it recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/le

cc 8
E306
DMEA Chron.

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

FORM A

To:1/ Stanley L. Larson and R. L. Plummer, doing business as L. and P. Mining Co., 725 West 39th Avenue, Denver 16, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm E306, dated April 21, 1952, (Docket No. DMEA 2304), hereinafter called the "contract", between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the mineral deposit which is the subject of the exploration project, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made.

The Government's estimate of said discovery or development is particularly described and delimited as follows:

A small ore body in the Vasco No. 5 vein on a sublevel 35 feet above the fifth level approximately 300 feet southwest of the Vasco No. 5 shaft. Commercial grade ferberite exposed along the back of the sublevel for about 30 feet was stoped to a height of 40 feet, resulting in production totaling 51.52 dry tons yielding 104.73 units of WO_3 with a gross value of $3,271.30.

Dated: September 14, 1953

THE UNITED STATES OF AMERICA

cc WHKing (3)

BY _____
Administrator, Defense Minerals
Exploration Administration

1/ Insert full name of operator as it appears in the Exploration Project Contract.

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

FORM B

To:1/ _____

_____

Pursuant to the provisions of Exploration Project Contract No. Idm _____, dated _____, (Docket No. _____), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made, has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

_____

_____

_____

_____

_____

_____

Dated: _____

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

1/ Insert full name of operator as it appears in the Exploration Project Contract

DMEA 2304 - Tungsten

L + P Mining Co.

Contract

Fixtures and Improvements	$1,700.00
Rental of Equipment	1,400.00
Purchase of Equipment	740.00
Labor, supervision, & taxes	9,365.00
Supplies	4,735.00
	$18,000.00

Bolmer's engineering report

Preparation, rehabilitation	$4,500.00
Raising	6,500.00
Sublevel drifting	2,400.00
Equipment	2,190.00
Power installation	2,200.00
Other	210.00
	18,000.00

Raise

	feet	cost	cost/ft	cost/ft to date
Sept.	10	274.05	27.40	
Oct.	40	1445.93	36.15	34.40
	50	1.7 1.9 .98		

Initial Rehabilitation & Repairs

Month	Labor 1/	Equipment Rental	Supplies	Other	Subtotal	Total
April-May	2473.30	—	367.98	—	2841.28	—
June	1394.62	—	302.41	218.81	1915.84	4757.12
July	1096.20	—	236.90	86.00	1419.10	6176.22
Aug.	1338.00	—	195.71	50.00	1583.71	7759.93
Sept.					1169.54	8929.47
Oct.					—	8929.47
Nov.	1080.98	—	212.34	50.00	1343.32	10,272.79
Dec.	1595.22	—	165.01	50.00	1810.23	12,083.02
	Correction		15.30	5.49		12,073.21
Jan.					1169.62	13,242.83
Feb.					1285.99	14,528.82
March					1599.82	16,128.64
April					83.41	16,212.05

1/ Includes supervision and payroll taxes

Operating Equipment Purchased

			Totals
April-May	mine car & 2 hoisting buckets	$61.20	
	3 electrical switches	225.00	$286.20
June	1 controller switch	75.00	
	1 compressor	459.00	820.20
Sept.	1 electric motor drive for compressor	591.60	$1411.80
Oct.	?	15.30	$1427.10

New Buildings & Improvements

April - May Extend power line and install transformer $1,223.00

Docket No. DMEA 2304 L&P

Drifting

Month	Advance Feet	Feet to Date	Costs: Labor	Equipment	Power	Explosives	Other Supplies	Total	Total to Date	Labor	Equipment	Power	Explosives	Other
Dec	22		268.88	—	21.23	—	15.01	305.12		12222	—	0.965	—	
Jan	8	30						672.20	977.32					
Feb	10	40						648.14	1625.46					
March														

Mining Company

her Supplies	Total	Total to Date	Man shifts	Shifts	Man Shift	Advance per Shift	Percent of Work Finished	Funds spent	Time Consumed		
01682	13869										
	84025										
	64814	40.637									

months Jan (21)

Other Supplies	Total	Totals to Date	Man Shifts	Shifts	Advance per Man Shift	Advance per Shift	Percent of Work Finished	Percent of Funds Spent	Percent of Time Consumed
	2740								
551	3615	3440	82	27	049	148	20.0	26.5	56
	1446	29.57							
		32.44							

Docket No. DMEA 2304 - L & P Mining Company

250 feet Raises - $6,500.00

nine

Month	Advance Feet		Costs										
	Feet	To Date	Labor	Equipment	Power	Explosives	Other Supplies	Total	Total to Date	Labor	Equipment	Power	Explosives
Sept.	10.0							274.05	274.05				
Oct. 1953	40.0	50.0	1121.84	1530	3588	5264	22027	1445.93	1719.98	2805	038	090	132
Nov.													
March	16.0	66.0						231.33	1951.31				
April 19	31.0	97.0	1037.90		74.95	38.39	4447	1195.71	3147.02				

FILE COPY
SURNAME:

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

SEP 15 1953

Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Dear Mr. Finch:

Audit Certificate and Audit Report covering L. and P. Mining Company, Contract Idm-2306, Docket No. 2304, has been accepted and may be distributed in the usual manner.

Sincerely yours,

SIGNED

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Copy to: Docket
Admr. Reading File
Mr. Chambers

9-15-53

FILE COPY
SURNAME:

400
Rutledge
Chamberlin
Ellis
Selvig
Mitchell

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

AUG 27 1953

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 mines
Boulder County, Colorado
Contract No. Idm-R306

Dear Mr. King:

This will acknowledge receipt of your memorandum of August 7, 1953, covering royalties paid under the referenced contract.

We believe that a certification of discovery should be made in view of the 80.357 units of tungsten produced as a result of the exploration project. It would be appreciated if we could be advised when we may expect the Field Team's final report and recommendations.

Sincerely yours,

Ernest Wm. Ems 657
ACTING Chairman, Operating Committee

APPROVED:

M. H. King 657
Member, Bureau of Mines

D. M. Larrabee 657
Member, Geological Survey

FARutledge:foc
8-26-53
cc: Docket
Code 400
FT. Reg. 4
Operating Comm.
Adm. Reading File
R. W. Geehan, USBM
Mary Miller, USGS

HHH 8-27-53

Archive

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

224 New Customhouse
Denver 2, Colorado

August 7, 1953

Memorandum

To: C. O. Mittendorf
Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: L & P Mining Company, Contract Idm-E306, Docket No. 2304.

The L & P Mining Company has shipped approximately 30 tons of ore. We have received $129.92 in royalty.

In the opinion of the examining engineer and geologist, there is little liklihood of any additional ore being found. The mine has been allowed to fill up with water.

Please advise us if certification should be made on this property. If no certification is to be made, what disposition should be made of the $129.92 royalty already received?

John F. Shaw
John F. Shaw
For W. H. King

210

Production

# MCF	Value $	Royalty $
139.43	179.31	8.47
395.02	730.79	36.36
396.20	875.60	43.78
334.88	429.32	20.86
71.25	96.19	3.58
136.80	157.32	6.27
133.56	235.07	10.60
1607.14	$ 2,703.60	$ 129.92

$\frac{1607.14}{20}$ = 80.357 units

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

224 New Customhouse
Denver 2, Colorado

July 31, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheets - Contract Idm-E306 (Tungsten), Docket No. DMEA 2304, L & P Mining Company cc Stanley Jackson

Enclosed are copies of settlement sheets covering lot number 483, and 481-521, shipped by the L & P Mining Company to the Hetzer Mines, Inc.

W. H. King

W. H. King

Enclosures

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO

PHONE 61

PURCHASER

No. 481
621

Shipped By L. C. P. Mining Co.
Vendor

SETTLEMENT SHEET

Boulder, Colorado
Residence of Vendor

July 1, 19 63
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
5/22 & 6/22	Vance 15	481 & 621	59,050	21,130	9	5413	34,507	00.69	233.10	.97	230.96

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
Royalty	5% U. S. Bureau. 15% Metzger-Hetzer, Inc.	10.57 31.72
Sampling & Assaying		
Hauling	Lodi & Co	19.58
Milling		
Total Deductions		61.81
Net Value		169.15

Loss: $50.00 advanced 5/27/63 to Norman Morton 50.00

119.15

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

224 New Customhouse
Denver 2, Colorado

June 29, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheets, L & P Mining Company, Docket DMEA 2304, Contract Idm-E306

Enclosed are your copies of settlement sheets covering lots Nos. 495, 496 and 497, shipped by the L & P Mining Company to Hetzer Mines, Inc.

W. H. King
W. H. King

Enclosures

Copy of settlement sheets to Commodity Div.

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO

PHONE 61

PURCHASER

No. [illegible]

Shipped By [illegible]
Vendor

SETTLEMENT SHEET

[illegible]
Residence of Vendor

[illegible], 19[illegible]
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
	[illegible]	[illegible]
Royalty	[illegible]	[illegible]
Sampling & Assaying		[illegible]
Hauling	[illegible]	[illegible]
Milling		
Total Deductions		[illegible]
Net Value		[illegible]

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO

PHONE 61

PURCHASER

No. [illegible]

Shipped By [illegible]
Vendor

SETTLEMENT SHEET

[illegible] Residence of Vendor

[illegible], 19[illegible]
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
	[illegible]	[illegible]
Royalty	[illegible]	[illegible]
Sampling & Assaying		[illegible]
Hauling	[illegible]	[illegible]
Milling		
Total Deductions		[illegible]
Net Value		[illegible]

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO

PHONE 61

PURCHASER

No. [illegible]

Shipped By [illegible]
Vendor

SETTLEMENT SHEET

Boulder, Colorado
Residence of Vendor

[illegible]
Date of Sale, 19[illegible]

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
Royalty	[illegible]	[illegible]
Sampling & Assaying		[illegible]
Hauling	[illegible]	[illegible]
Milling		
Total Deductions		[illegible]
Net Value		[illegible]

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO

PHONE 61

PURCHASER

No. 488

Shipped By [illegible] Vendor

[illegible] Residence of Vendor

SETTLEMENT SHEET

June 11, 58
Date of Sale, 19

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
8/23	[illegible]	[illegible]	17,[illegible]	7,605	2	196	9,894	2.60	249.44	1.35	[illegible].74
							4,797				

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
	[illegible]	[illegible].52
Royalty	[illegible] Mines, Inc.	49.73
Sampling & Assaying		
Hauling	[illegible]	5.04
Milling		
Total Deductions		72.30
Net Value		$ 2[illegible].33

Excerpt from Monthly Report, Region IV, June 21, 1952 to July 20, 1952

DMEA 2304 - Vasco Nos. 2 and 5 mines, L. and P. Mining Co., (Tungsten), Boulder County, Colorado

The Vasco No. 5 underground shaft was unwatered to the level where operations are to be undertaken, and rehabilitation of the level was underway at the close of the period.

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO
PHONE 61

PURCHASER

No. 439

Shipped By L. & P. Mining Co.
Vendor

SETTLEMENT SHEET

Residence of Vendor

April 8, 19 53
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
3/25	Vasco #5	439	43,065	19,060	10	2400	21,605	1.55	334.88	1.282	429.32

Schedule Price:

	Unit	26.00
Phos.	.074	
Less	.05	
Excess	.024 ea. 15¢	.36
	Price per Unit	25.64
	Price per lb.	$1.282

Mining Division
Denver Board
APR 13 1953
Bureau of Mines
Denver, Colorado

The above MEMORANDUM OF SALE contains a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
Royalty	5% U. S. Treas. 15% Hetzer-Mines, Inc.	20.86 52.59
Sampling & Assaying		
Hauling		12.03
Milling		
Comp. Ins.	Jan., Feb., & Mar.	79.80
Total Deductions		175.28
Net Value		$254.04

L & P Mining Co. (E306)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
WASHINGTON

MAY 14 1953

Licensee 2304

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO
PHONE 61

PURCHASER

Shipped By L. & P. Mining Co. (Vendor)

No. 432

SETTLEMENT SHEET

Boulder, Colorado — Residence of Vendor

April 7, 1953 — Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
3/20	Vasco #5	432	2,310	23	1	23	2,264	17.50	396.20	2.21	875.60

DEDUCTIONS		
Royalty	5% U. S. Treas. 15% Hetzer-Mines, Inc.	43.78 131.34
Sampling & Assaying		
Hauling		
Milling		
Total Deductions		175.12
Net Value		$700.48

Less 5% of Net of Lot 414 — 8.47

Bal. to L. & P. Mining Co. — $692.01

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO
PHONE 61

PURCHASER

No. 440

Shipped By L. & P. Mining Co.
Vendor

SETTLEMENT SHEET

Residence of Vendor

April 7, 1953
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
3/25	Vasco #5	440	18,720	11,595	1	71	7,054	5.60	395.02	1.85	730.79

DEDUCTIONS		
Royalty	5% U. S. Treas. 15% Hetzer-Mines, Inc.	36.36 109.07
Sampling & Assaying		
Hauling		3.67
Milling		
Total Deductions		149.10
Net Value		$581.69

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

HETZER MINES, INC.

250 Pearl Street
BOULDER, COLORADO
PHONE 61

PURCHASER

No. 414

Shipped By L. & P. Mining Co.
Vendor

SETTLEMENT SHEET

725 W. 39 Ave., Denver, Colo. Residence of Vendor

March 18, 1955
Date of Sale

DATE	SHIPPED FROM Source from which Vendor obtained same.	LOT NO.	GROSS WEIGHT	TARE	Per Cent Moisture	LBS. H2O	NET WEIGHT	ASSAY	TUNGSTIC ACID	PRICE PER LB.	GROSS VALUE
3/10	Vasco #5	414	22,620	11,555	10	1,106	9,959	1.40	139.43	1.286	179.31
	Schedule Price:										
		Unit.	20.00								
	Base. .069										
	Less. .05										
	Excess .019	ex. 15¢	.28								
		Unit.	25.72								
	Price per lb.		$1.286								

Winner Dr. [illegible]
[illegible]

[illegible]

[illegible]
[illegible]

The above MEMORANDUM OF SALE contians a true statement of 1—the date of sale; 2—residence of vendor; 3—the nature and amount of the article sold; 4—the source from which the vendor obtained same; and 5—the consideration actually paid; receipt of which, in full, as shown by the "Net Value" above, is hereby acknowledged.

VENDOR

DEDUCTIONS		
Royalty	15, Hetzer-Mines, Inc.	25.40
Sampling & Assaying		10.00
Hauling		
Milling		
Total Deductions		35.40
Net Value		14[illegible].91

FILE COPY
SURNAME:
800
Chambers

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

MAR 12 1953

Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Docket DMEA-2304
Contract I6m-E306
L and P Mining Company

Dear Mr. Finch:

Reference is made to the Audit Report and Certificate on Stanley L. Larson and R. L. Plummer d/b/a L and P Mining Company, transmitted by your letter of March 3, 1953.

The Report and Certificate are acceptable and you therefore are authorized to make the normal distribution of the copies.

Sincerely yours,

J.H.
3/12/53

(Signed) J. L. Chambers
Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/wb
March 11, 1953

Copy to: Docket
Amdr. Reading File
Mr. Chambers

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

224 New Customhouse
Denver 2, Colorado

February 17, 1953

Memorandum

To: C. O. Mittendorf

From: Executive Officer, Field Team, Region IV

Subject: Amendment No. 4, DMEA Docket 2304, Contract Idm-E306, L and P Mining Company

Enclosed are the original and two copies of Amendment No. 4 to Contract Idm-E306. Copies of this amendment have been given to the Operator, the Fiscal Office of Region IV, and a copy has been retained for our files. The Operator's attention has been called to the change in the amendment recommended by the Chairman of the Operating Committee.

W. H. King
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

cc
2-20-53

400

FILE COPY
SURNAME:

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

BL

Rutledge
Martin
Blossom
Reese
Pritin
Selfridge
Mitt

Mr. W. N. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

FEB 1 3 1953

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado
Contract No. Idm-E306

Y.C. 2/13/53

Dear Mr. King:

We are enclosing the original and five copies of Amendment No. 4 to the above-referenced contract. After execution, please make the usual distribution of the copies.

The amendment is approved with one minor modification. At the bottom of page 3 under the heading "Operating Materials and Supplies," the qualification after the word "excluded" is meaningless and should be stricken. This change should be noted in the letter to the Operator transmitting his copy.

The additional funds requested have been allocated.

Sincerely yours,

George C. Selfridge (WB)

Chairman, Operating Committee

Enclosures

FARutledge/ls 2/11/53

Approved:

W. W. Lemmon (WB)
Member, Bureau of Mines

D. M. Lemmon (WB)
Member, Geological Survey

cc: DOCKET
FIELD TEAM, REG. IV
CODE 400
OPER. COMMITTEE
ADMN. READ. FILE
CODE 800 - Mr. Chambers
CODE 140 - Mr. Kane
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

FILE COPY
SURNAME:

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

Rutledge
Martin
Lemmon
Hedges
Hillhendorf
Selfridge

BW.

n.s. in R.J.R.

Defense Minerals Exploration Administration
FARutledge/1s
5285

February 11, 1953

W. H. King, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver, Colorado
Docket DMEA 2304, L. & P. Mining Company, Contract Idm-2306.

Amendment 4 approved with one minor modification. Letter follows.

G. C. Selfridge
Chairman, Operating Committee

CC: DOCKET
ADMN. READ. FILE
CODE 400
CONFIRMATION
AUDITS
OPERATING COMMITTEE

FARutledge/1s
2/11/53

SENT
FEB 11

Clerical Service Section

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1953

224 New Customhouse
Denver 2, Colorado

February 9, 1953

AIRMAIL

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2304, Contract Idm-E306, L. & P. Mining Company (Tungsten)

Reference is made to your letter dated February 3, 1953, regarding Contract Idm-E306.

On January 30, 1953, we sent six copies of proposed Amendment No. 4 to Contract Idm-E306 for the approval of the Washington office. Please advise this office by teletype if you will approve this amendment or if you desire Contract Idm-E306 to be cancelled.

W. H. King

W. H. King

FILE COPY
SURNAME:

Rubin

140

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

February 9, 1953

Memorandum

To: W. S. Martin yn.S. in R. & R. S.W.

From: Chief Counsel

Subject: L. & P. Mining Company - Docket No. DMEA-2304, Idm-E306 - Amendment No. 4

In response to your memorandum dated February 5, we have reviewed the above-described amendment and find it to be in satisfactory legal form for execution with one minor modification. At the bottom of page 3 under the heading "Operating Materials and Supplies", the qualification after the word "excluded" is meaningless and should be stricken.

We question the estimated cost of the pump listed as "To be purchased" on the top of page 3.

/s/ A. E. Kane
for J. L. Hofflund
Chief Counsel

Attachment

HCRubin/mef/ema
cc: Mails & Files
H. C. Rubin
J. L. Hofflund
Chron.

400

Chief Counsel, DMEA

February 5, 1953

Iron and Ferro-Alloy Division, DMEA

Review of Amendment No. 4 to Contract No. Idm-E306
Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado
Contract No. Idm-E-306

Transmitted herewith is an amendment to the referenced contract prepared by Region IV. This amendment increases the amount of the contract from $18,000.00 to $25,000.00 to cover the unexpectedly large cost of rehabilitation of the underground workings. The contract, as first written by the Field Team, underestimated said cost.

This Division concurs with the Field Team that, because the greater part of the rehabilitation is now complete, the increase is justified in order to take full advantage of the work already finished.

Please check the legal aspects of the amendment, and refer it to Mr. Chambers for appropriate action if approved by your Division.

Note that the copies have not been signed by the Executive Officer of Region IV.

W. S. Martin, Acting Chief
Iron and Ferro-Alloy Division

Attachment

FARutledge/ls

cc: Docket
Code 400

Code 400

400

Mr. W. H. King, Executive Officer
DMMA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

FEB 3 1953

Re: Docket No. DMMA 2304 - Tungsten
L. & P. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado
Contract No. Idm-M-306

Dear Mr. King:

Reference is made to your letter of January 13, 1953, transmitting memorandum of the same date addressed to our Field Team, Region IV, by Ogden Tweto, U. S. Geological Survey. The above letter and memorandum comment on various items mentioned in a review of the subject project, dated December 11, 1952, prepared by our Iron and Ferro-Alloy Division, and sent to you on December 22, 1952.

We note from your letter that the project has merit and that you have prepared an amendment to increase the amount of the contract from $18,000.00 to $25,000.00. That increase of $7,000.00 could increase the overall cost per foot for the project's 350 feet of raising and drifting from our previous figure of $51.43 to $71.43. Computing such an overall figure for an application, or proposed amendment, has significance because it helps us to determine whether the contract includes more overhead than the target justifies. As you are aware, contracts on the old form may be amended to increase the estimated costs of work as originally specified, but unless the new form contracts contain special permission typed into Article 13 such increases cannot be made except in cases where additional work is authorized or there is some other benefit to the Government.

You mention that you see no harm in allowing other lessees to use the Vasco No. 5 Tunnel jointly with the operator. We agree that there should be no objection provided that the only DMMA rehabilitation in that tunnel is installation of a power line. We also agree that the lessee has the exclusive right to the winze approximately 150 feet southwest of the intersection of the Vasco No. 5 Tunnel with the Vasco No. 5 Vein, if that is the winze you refer to. Paragraph two of our review of December 11, 1952, applied to the Vasco No. 5 Shaft and adjoining workings which appear to us to be specifically reserved from the lease

by the second paragraph of Annex No. I of the contract. Please see Section 8 of DMEA Order-1 which requires that "The Operator must have . . . a sufficient interest in the land . . . for the purposes of the exploration project contract"; and Section 10 of the same, which covers repayment. In writing a contract that allows DMEA funds to be spent outside the property covered by the contract lien provisions, you run the risk that a discovery or development, in ground not covered by that contract, may be made by some outside operator who uses workings benefitted by the DMEA rehabilitation, but is not required to make repayment to DMEA because he is not a party to that contract. Work should never be performed on property not described in Article 2 of the contract form.

As for specifying maximum size of openings it is true, as you say, that if the operator drives such openings larger than necessary you do not need to reimburse him, but we believe that it is better to make such dimensions explicit so that there will be no question in the operator's mind that any such withholding of reimbursement is justified.

Finally, we note your belief that if the lessee mines ore, costs of exploration work will be reduced because all items of overhead would be prorated between the ore and the exploration. Our opinion to the contrary is based on a number of contract reviews. We have found that, in spite of all efforts to prorate such costs, mining operations carried on simultaneously with the exploration projects tend to increase the exploration costs.

Mr. Tweto's above memorandum gives a generally satisfactory answer to our implied question about the possible results of the project. His interpretation of the repayment schedules in DMEA Order-1 as designed subsidy is not in accordance with our ideas on that subject, but in any event we must continue to be governed by that order.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

WSMartin/ls 2/2/53

CC: DOCKET
FIELD TEAM, REG. IV
CODE 400
ADMN. READ. FILE
OPER. COMMITTEE
R. W. GEEHAN, USBM
D. M. LEMMON, USGS

Docket

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

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

224 New Customhouse
Denver 2, Colorado

January 30, 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2304 (Tungsten), Contract Idm-E306, Stanley L. Larson and R.L. Plummer doing business as L. and P. Mining Co., Boulder County, Colorado

Enclosed are the original and five copies of Amendment No. 4 to Contract Idm-E306, which has been approved by this office to increase the total cost of the project from $18,000.00 to $25,000.00, an increase of $7,000.00, to enable the operator to complete the work authorized under the contract. Enclosed also, for your records, are three sets of data in support of the Amendment.

The increase of funds is incident to the completion of the following work:

1.	Rehabilitation of the remaining portion of the fifth level drift, approximately 115 feet	$ 2,300.00
2.	Driving approximately 175 feet of raise	5,250.00
3.	Driving approximately 100 feet of sublevel drift	2,500.00
4.	Contingencies	450.00
	Estimated cost of completing the work	$10,500.00
	Less unexpended portion of funds originally allocated	3,500.00
	Additional funds required to complete the project	$ 7,000.00

Please allocate the additional funds and return the required number of copies of the Amendment to this office.

W. H. King

W. H. King

Case 2/3

Enclosures

1/19/53

Mr. Martin:

Bill -

Please route reply through me before going to Operating Committee. This is another Jack East case. Will discuss if you so desire.

Frank E. Johnson

Questions of amending contract & increase cost when new work is contemplated (on old form) and work performed on property not covered by lease

FEJ

Jan 29, 1952.

Mr. Johnson:

Answering your queries:

1. Old-form contracts may be amended to increase the estimated costs of work as originally specified. add; or some other benefit to co.

2. Work should never be performed on property not described in Article 2 of the contract form.

J. V. H

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: L. & F. Mining Company
Docket No. DMEA-2304
Contract No. Idm-2306
(Tungsten)

Dear Mr. King:

For your information there is enclosed a copy of an analysis of the subject contract dated December 11, 1952, prepared by our Iron and Ferro-Alloy Division.

Undoubtedly, you are aware of the points set forth in the analysis. However, we feel that you should be furnished a copy of it so that you will have the benefit of the viewpoint of this office. We hope that analysis such as this will result in closer control of operations and establish more uniform standards in administering contracts.

We will be pleased to have your comments concerning the enclosed analysis.

Sincerely yours,

APPROVED:

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

Enclosure

FEJohnson/bih
12/19/52
cc to: Docket
Admr. Reading File
Region IV
Operating Committee
Messrs. J.H.Hedges B-4604
A.R.Kinkel, Jr. GSA B-4234
Selfridge
FEJohnson

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: L. & F. Mining Company
Docket No. DMEA-2304
Contract No. Idm-3306
(Tungsten)

Dear Mr. King:

For your information there is enclosed a copy of an analysis of the subject contract dated December 11, 1952, prepared by our Iron and Ferro-Alloy Division.

Undoubtedly, you are aware of the points set forth in the analysis. However, we feel that you should be furnished a copy of it so that you will have the benefit of the viewpoint of this office. We hope that analysis such as this will result in closer control of operations and establish more uniform standards in administering contracts.

We will be pleased to have your comments concerning the enclosed analysis.

Sincerely yours,

APPROVED:

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

Enclosure

FEJohnson/bih
12/19/52
cc to: Docket
Admr. Reading File
Region IV
Operating Committee
Messrs. J.H.Hodges R-4604
A.R.Kinkel, Jr. OSA R-4234
Selfridge
FEJohnson

400

Administrator, D. M. E. A. December 11, 1952

Iron and Ferro-Alloy Division

Review of Exploration Project Idm-R306 through September 1952
Docket No. DMEA 2304 - Tungsten
L. & F. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado

The application for exploration assistance, dated December 21, 1951, requested funds for a project estimated to cost $25,000.00. Washington was informed by a memorandum dated March 27, 1952, that a revised project costing $18,000.00 had been approved, that a contract would be prepared in the Denver office and that four copies of the examination report would be forwarded when the contract was signed. The contract, which was signed on April 21, provided funds for rehabilitation of the No. 5 interior shaft and the fifth level, both of which were flooded, the driving of two raises as shown in Fig. 3, aggregating approximately 250 feet, and the driving of approximately 100 feet of intermediate drifts from the raises where warranted. The contract does not specify the sum of monies allotted to rehabilitation. In the examination report labor and supplies were estimated at $4,500.00 for the rehabilitation and $24.00 and $26.00 a foot respectively for drifting and raising. Overall cost under the contract is estimated at $51.43 a foot.

Review of the lease shows that the shaft and part of the underground workings which the Operator will rehabilitate are not included in the ground covered by the lease. It was not learned why this exclusion was made or if other operators would be benefited by use of the shaft rehabilitated in part at Government expense. The lease also contains a clause that requires the lessee to drive the size of opening the lessor thinks expedient. This could result in openings of a size larger than usually designated in Washington for exploration. The contract does not specify the size of openings. The lessor could also force the lessee to mine ore instead of developing. This could increase the overall cost of the contract by reducing the rate of monthly advance.

No mention was made of the size of target to be expected (tonnage) as a result of the proposed exploration. Figure 3 suggests that the 75-foot raise is really development rather than exploration. Seemingly the ore did not reach the fifth level since the former operators drove 350 feet beyond the "dike" without raising on it. If ore is present on the level, possibly an inclined raise should have been proposed in the dike instead of one whose first 25 feet is outside of the dike and very probably in waste. While the dip

angle is fairly flat, the broken rock might still run in such a raise. The steping suggests that the ore shoot is narrowing as is the favorable "dike" and may soon bottom. At best the target will be small.

Work under the contract was started on April 21, 1952. By July 31 the shaft and fifth level had been dewatered, with the former rehabilitated and only 300 feet of the latter at a total rehabilitation cost of $6,176.22. During August an additional 148 feet of drift was rehabilitated. A 30-foot raise was formed at 300 feet from the shaft in the vicinity of the proposed 75-foot raise. The first 20 feet were timbered. During September the balance of the raise was rehabilitated and driven 10 feet further at a cost of $27.41 a foot. Certain air facilities were also installed and rehabilitated. No further work was done toward the drift rehabilitation.

As of the end of September, $11,838.32 had been charged against the project, of which $8,929.47 was for rehabilitation. There is left $6,161.68 to drive approximately 210 feet of raise and 100 feet of drift and to rehabilitate the remaining 260 feet of the fifth level. Without further rehabilitation and at the figures used in the field report, it would require $7,860.00 to complete the raising and drifting. It will probably take several thousand dollars more than presently provided for to complete the exploration as originally proposed.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

GCSelfridge:le
12/11/52

Copy to: Docket
Admn. Read. File
G. C. Selfridge

Noted: A.H. Koschmann
1/13/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

January 13, 1953

Memorandum

To: DMEA Field Team, Region IV

From: Ogden Tweto, U. S. Geological Survey

Subject: Letter of December 22, 1952, from C. C. Selfridge, concerning DMEA Docket 2304, Contract Idm-E306, (Tungsten) L. & P. Mining Company.

Referring to the third paragraph of Selfridge's letter, I find it difficult to figure out what he has in mind, beyond an advance estimate of how much ore will be found as a result of this exploration. I don't know how much will be found, or even that any will be found, but believe that there is a good chance that some will be found, and, of course, that there is some reasonable limit to the size of the two orebodies which it is hoped the two raises will reveal. Considerable speculation is required even to arrive at an order of magnitude. Should the first raise show ore (and it has) I should expect the tonnage to run into the hundreds, not tens, and not thousands; the grade might be 2%, but a lens of high-grade, which might easily appear, might double the grade. If the raise leads to 500 tons of ore containing 1000 units WO_3, I should regard this phase of the project as successful.

What is to be expected from the second, and higher, raise is harder to appraise. Assuming that an orebody is found, it shouldn't be

unreasonable to assume a height of 50 feet, a length of 50 feet on the Vasco 2 vein and 25 feet on the Vasco 5 vein, as it was on the first level of Vasco 2, and a thickness of about 2.5 feet and a grade of about 3%, as it was in the winze on the Vasco 2 level. This would mean about 850 tons and 2500 units. However, it might be twice this good, either in tonnage, or in tonnage and grade combined, or it might not be there at all.

Thus, asking something of Luck, but not being unreasonable about it, perhaps this project will yield 1000 to 1500 tons containing 3000-4000 units, at a cost of $25,000 (amendment now being processed) for exploration and, inescapably, partial development. With good luck, the production might be much more; with bad luck it might be much less.

If 3000 units in ore of 2 to 3-percent grade is found and partially developed at a cost of $25,000, the cost per unit would be $8.33. This is not out of line, considering that it provides for equipping, electrifying, unwatering, and everything else necessary to make a going mine from a dormant, unequipped mine under water. In terms of cost per ton for 2-percent grade, the expense would be 8.33 x 2 = $16.66, and the ore would have a net value at the mill, except for haulage and royalty, of $60.00 per ton. Certainly it could be mined and hauled profitably for the difference between $16.66 and $60. In ordinary light, then, this should be a good venture--or a good gamble, remembering that it is all predicated on a discovery yet to be made. However, good though the gamble might be under the conditions assumed above, the Government has no chance of liquidating its loan under these conditions, nor could the loan be liquidated if the discovery were 5 times greater than assumed above. This reflects a weakness in the repayment schedules--or is as I interpret it,

a designed subsidy--and should not reflect against what, by any other standards, should be a good mining venture.

* * *

I can't make much out of the other remarks in paragraph 3, mostly contradictory and picayune. The second sentence suggests that the first raise is "development" rather than "exploration," but the 3d sentence recognizes that there was no ore in sight on the level. In the 4th sentence, however, he goes on to assume that ore <u>was</u> present on the level and scolds because the raise as originally proposed was not started in the ore, or dike, even though he knew (see 4th paragraph) that the raise as finally driven was at another location--right in the dike. The inclined raise suggested at this late date would be longer, and difficult and more costly to work in not only because of the low average incline but because it would be irregular, as the dike is irregular.

AIRMAIL

Docket

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

224 New Customhouse
Denver 2, Colorado

January 13, 1953

Memorandum

To: C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: L & P Mining Company (Tungsten), Docket No. DMEA 2304, Contract Idm-E306

Reference is made to a memorandum, dated December 11, 1952, from G. C. Selfridge, Chief, Iron and Ferro-Alloy Division to the Administrator, and a letter, dated December 22, 1952, transmitting this memorandum to the Executive Officer, DMEA Field Team, Region IV.

We are enclosing a memorandum from Ogden Tweto, Geologist, U. S. Geological Survey, which replys to paragraphs three and four of this memorandum.

Paragraph one of the memorandum from the Chief of the Iron and Ferro-Alloy Division states the contract does not specify sums of monies allotted to rehabilitation. It is difficult to estimate how much money will be used in rehabilitation and unwatering any shaft. It is therefore desirable in the interest of flexibility and ease of administration not to tie the operator down to a definite sum for rehabilitation. It is believed that if the rehabilitation would cost more than the estimated amount and the project had merit, an amendment could be prepared which would provide for additional funds. The memorandum states that the contract was cut to $18,000.00 from $25,000.00. We have now found that rehabilitation costs more than estimated when the contract was prepared. The project has merit and we have prepared an amendment to increase the amount of the contract to $25,000.00.

Paragraph one of the memorandum discusses rehabilitation and states that the overall costs is estimated at $51.43 a foot. This figure is obtained by dividing $18,000.00, the total amount of the contract, by 250 feet, the total amount of drifts and raises, without any allowances being made for the cost of rehabilitation. We would like to know the significance of $51.43, because the memorandum recognizes that some money would be spent for rehabilitation.

350

The last paragraph of the memorandum discusses the costs to date and states that it will probably take several thousand dollars more than presently provided for to complete the exploration as originally proposed. We are aware of this fact and have prepared an amendment for additional funds as mentioned above.

Paragraph two of the memorandum states that according to the terms of the lease the shaft and part of the underground workings which the operator will rehabilitate are not included in the lease. The block of ground discussed in the lease is the same block as used in numerous other leases, and it is locally known as the Vasco No. 2 Vein, Vasco No. 5 Vein, and Vasco No. 8 Vein. The lessee has the exclusive right to the winze. We do not see any harm in allowing other lessees, if there by any, to use the Vasco No. 5 Tunnel, which is the logical opening through which to work the remaining part of the 80 acre track in which we have no interest.

The Lease is criticized because it contains a clause that requires the lessee to drive the size opening the lessor thinks expedient. These openings are as follows: For shafts eight by four feet wide in the clear, with bucket way three and one-half by four feet in the clear, and all drifts seven feet high and four feet wide. This is a standard provision and is found in practically all mine leases. The memorandum states that the contract does not specify the size of openings. We do not believe this is necessary. The minimum size openings are described in the lease. If the operator drives them larger than necessary, we do not need to reimburse him; because according to Article 10 of the contract the costs of the project in which the Government will participate are limited to the necessary reasonable direct cost of performing the exploration work. The costs of openings excessive in size would not be reasonable.

The memorandum states that the lessor could force the lessee to mine ore instead of developing and that this would increase the overall cost of the contract by reducing the rate of monthly advance. We believe that if the lessee mines ore it would reduce costs of exploration work because all the items of overhead would be pro-rated between the ore and the exploration.

W. H. King

W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

January 7, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JAN 12 1953

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2304, Contract Idm-E306 (Tungsten)
L & P Mining Company (Vasco No. 5 Mine)

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of November, 1952, pertaining to DMEA Docket 2304, Contract Idm E306, L & P Mining Company (Vasco No. 5 Mine).

John F. Shaw
John F. Shaw for
W. H. King

Enclosures

FILE COPY
SURNAME:

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

DEC 22 1952

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: L. & P. Mining Company
Docket No. DMEA-2304
Contract No. Idm-E306
(Tungsten)

Dear Mr. King:

For your information there is enclosed a copy of an analysis of the subject contract dated December 11, 1952, prepared by our Iron and Ferro-Alloy Division.

Undoubtedly, you are aware of the points set forth in the analysis. However, we feel that you should be furnished a copy of it so that you will have the benefit of the viewpoint of this office. We hope that analysis such as this will result in closer control of operations and establish more uniform standards in administering contracts.

We will be pleased to have your comments concerning the enclosed analysis.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosure

FEJohnson/bih
12/19/52
cc to: Docket
Admr. Reading File
Region IV
Operating Committee
Messrs. J.H.Hedges R-4604
A.R.Kinkel, Jr. GSA R-4234
Selfridge
FEJohnson

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Rm. 1[illegible]
Denver Federal Center
Denver 14, Colorado
December 18, 195[illegible]

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company Vasco No. 5 mine), Boulder County Colorado - Requests for amendments to the contract

Please find enclosed the original and five copies of R. L. Bolmer's memorandum resulting from the combined instructions contained in your memoranda of December 10 and 11, 1952, on the subject requests for amendments.

Bolmer recommends, and I concur, that the contract be amended as follows:

1. Extend the time limit for completion of the project by seven months or until July 21, 1953.

2. Increase the amount of the contract by $7,000.00 or to a total of $25,000.00.

3. Permit approximately 115 feet of crosscutting around the cave occurring near the southwest end of the fifth level but only if conditions become worse, as determined by a DMEA representative.

4. Provide for the following labor classifications:

   1 Foreman-hoistman
   3 Miner-timbermen
   3 Mucker-trammers

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/eb

cc: 5, E306, DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
December 18, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company (Vasco No. 5 mine), Boulder County Colorado - Requests for amendments to the contract

The L. and P. Mining Company has requested that the subject contract be amended as follows:

1. Extend the date for completion of the project by seven months or until July 21, 1953.

2. Increase the labor force by three additional miners.

3. Increase the contract amount by $7,000.00 or to $25,000.00.

4. Crosscut around caved ground on the fifth level in lieu of rehabilitation of the level through the cave.

Originally the cost of the required preparation and rehabilitation work was estimated as $4,500.00. The required work included the installation of a power cable from the portal to the underground shaft, rebuilding of the headframe, unwatering the lower workings in the mine, and rehabilitation of 250 feet of shaft and approximately 650 feet of the fifth level. The fifth level had been under water for a number of years and its actual condition was unknown.

Considerably more water was handled than had been anticipated. The fifth level was caved badly in many sections and required considerably more mucking and timbering than had been anticipated. To date, $10,272.79 has been spent on underground preparation and rehabilitation and approximately 115 feet of the fifth level, probably the worst section encountered, remains to be rehabilitated. Approximately $3,500.00 of the original contract amount remains unexpended. Besides 115 feet of rehabilitation on the fifth level, 175 feet of raising and 100 feet of sublevel drifting remain to complete the project. The estimated cost of the work yet to be completed is as follows:

115 feet rehabilitation on the fifth level at $20.00	$2,300.00
175 feet raise at $30.00	5,250.00
100 feet sublevel drift at $25.00	2,500.00
	$10,050.00
Less unexpended funds	- 3,500.00
Additional funds required to complete the project	$ 6,550.00

Heretofore, the project has suffered from the quantity and quality of labor available. Because of winter weather and the resulting curtailment of construction work, the manpower situation has eased somewhat. The first raise has been completed; the second

cannot be started until rehabilitation of the fifth level is complete; therefore, the maximum labor schedule which could be utilized at the project is as follows:

Foreman-hoistman
Trammer for tunnel level
Miner for sublevel
Mucker-trammer for sublevel
2 - Miner-timbermen for rehabilitation of the fifth level (later to drive second raise)
Possibly one extra trammer if raise and sublevel are advanced together

The contractor has asked to crosscut around the cave ahead on the fifth level. Such a request would be considered if the condition of the level becomes worse than as observed during the last inspection and should spiling become necessary. For the present the level can be rehabilitated as cheaply as crosscutting. There are some objections to crosscutting other than the cost. The fifth level ahead of the present breast is caved for the short distance that can be observed but may not be in too bad a condition for the full remaining distance. The old maps are not dependable and there would be no way of knowing when the crosscut had passed the caved section and should be turned back into the drift. It is uncertain whether a crosscut would be driven in better ground. The ventilation on the far end of the level is very poor and blasting should be avoided if possible.

It is concluded, therefore, that the amendments requested by the contractor are justified in principle. Had it been known in

advance that such extensive rehabilitation would be required, the project probably would not have been recommended by this office. The project now has the greatest part of the rehabilitation behind it and, because of that, it is probably to the advantage of the Government to see the project through to completion. To date, the operations have been carried out with reasonable efficiency considering the difficult conditions encountered.

Under the circumstances, therefore, it is recommended that the contract be amended as follows:

1. Extend the time limit for completion of the project by seven months or until July 21, 1953.

2. Increase the amount of the contract by $7,000.00 or to a total of $25,000.00.

3. Permit approximately 115 feet of crosscutting around the cave occurring near the southwest end of the fifth level <u>but only if conditions become worse, as determined by a DMEA representative</u>.

4. Provide for the following labor classifications:

   1 Foreman-hoistman
   3 Miner-timbermen
   3 Mucker-trammers

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/cb

cc 5
E306
DMEA Chron

STANLEY LARSON

ROBERT PLUMMER

L. & P. MINING CO.

Mine: Tungsten, Colo.

GENERAL OFFICE
725 W. 39TH AVE.
DENVER 16, COLO.
GLENDALE 4719

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

December 10th., 1952.

Re: Contract IDM-2306
Docket DMTA 2304

Bureau of Mines,
224 New Customhouse,
Denver, 2, Colorado

Att: Mr. W. H. King.

Gentlemen:

We hereby request an additional time of Seven Months on the above mentioned contract which will expire on January 21, 1953.

The reasons for this additional time is as follows:

(1) Due to bad ollides in 5th., level.

(2) Inability to work sufficient men to make good progress.

(3) By previous letter dated December 1st., we requested an additional $7,000.00 in funds which will take the requested seven months to expend.

Very truly yours,

L. & P. MINING CO.

BY Stanley Larson

SL/L

STANLEY LARSON

ROBERT PLUMMER

DEPARTMENT OF THE INTERIOR
Bureau of Mines
Denver
DEC 2 1952

L. & P. MINING CO.

Mine: Tungsten, Colo.

GENERAL OFFICE
725 W. 39TH AVE.
DENVER 16, COLO.
GLENDALE 4719

December 1st, 1952.

Bureau of Mines,
224 New Customhouse,
Denver, 2, Colo.

Re: Contract Idm-E306
Docket DMEA 2304

Gentlemen:

Att: Mr. W. H. King.

We hereby make application under the above contract and docket for an amendment to be effective as of the above date:

(1) The contract as approved allows only 5 men. We wish to increase this to 8 men or 3 additional miners, so that we can work in 2 or 3 places at once; namely (a) cleaning out the fifth level between the 2 raises and running the 175' raise, (b) continuing the first 75' raise into the Williams Winze, (c) running a drift off the first raise along the vein where some ore has shown. We originally asked for more men than the contact finally allowed.

(2) We ask for an increase in funds from the alloted $18,000. to $25,000. which was our original estimate. The increase of $7,000. would be used (a) to make the 175' raise at $35.00 per foot or $6,100. (b) $900. plus the remaining $3300. of present contract to be used in clearing out old drift and running new drift off the first raise.

(3) We also ask that a new drift be run around the present cave in the fifth level. We believe we can do this cheaper than cleaning out the cave and the retimbering as the ground is exceptionally heavy. We should be able to make 4' per day in a new drift versus present 2' to 3' per day in the old drift with the same crew. There is approximately 80' to go to the junction of No. 2 and No. 5 veins.

Very truly yours,

L. & P. MINING CO.

SL/L

BY Stanley Larson
Partner.

FILE COPY
SURNAME:

Hopkins
Martin

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

December 10, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: General summary of contract and results obtained
Docket No. 2304 - Tungsten, Contract Idm-E306
Vasco No. 2 and Vasco No. 5 Mines
Boulder County, Colorado
L and P Mining Company
725 West 39th Avenue
Denver 16, Colorado

1. Operator's Property Rights:

Lessee - Lease dated December 12, 1951

Subordination Agreement; Hetzer Mines (owner) to Stanley L. Larsen and R. L. Plummer (partners, L and P Mining Company) dated April 21, 1952.

2. Contract - dated April 21, 1952.

Work authorized:

(1) Unwater and equip No. 5 shaft.

(2) Rehabilitate 5th level from No. 5 shaft.

(3) Drive 2-raises 75' and 175'

(4) Drive 100' sublevel from either or both raises.

Following costs were estimated:

Fixtures and improvements	$1,700.00
Rental of equipment	1,460.00
Purchase of equipment	740.00
Labor, supervision, compensation	9,365.00
Supplies	4,735.00
Total cost of project	$18,000.00
Government's participation	13,500.00

R.C.S.
12-11-53

5. Amendments:

(1) Dated June 25, 1952, to allow purchase of 3 electric supply switches @ $75.00 each. Funds for purchase transferred from amount allocated to supplies.

(2) Dated July 31, 1952 to delete item "1-210 c.f.m. compressor 4 max. @ $290.00 - $1,160.00" from subtitle "to be rented" under "Operating Equipment" Appendix A; add the following items under subtitle "to be purchased."

1 - Hoistmaster controller switch	$ 75.00
1 - I.R. Imperial Type 10, 14" x 7½" x 12" air compressor	459.00
1 - Electric motor for driving compressor	591.60

(3) Dated August 27, 1952, add the following:
Subtitle: "To be furnished by Operator."

Items
1 - Single drum hoist
1 - 1½" water pump

No expense to project other than maintenance and operating expense.

(4) Dated February 17, 1953, to void Amendments 1, 2 and 3 as of their respective dates. Substitute revised Appendix "A" with following work authorization and costs:

Purchase equipment	$ 1,467.10
Extend power line to portal #5 tunnel	1,223.00
Extend power line from portal #5 tunnel to underground collar #5 shaft	
Repair underground headframe #5 shaft	$12,309.90
Rehabilitate No. 5 shaft for 250 feet	
Rehabilitate No. 5 level for 650 feet	
Extend raise 75' to Williams Winze @ $30.00/ft.	2,250.00

Drive raise 175' at intersection of No. 2 and No. 5 vein @ $30.00/ft.	$ 5,250.00
Install 100' mulleval at most favorable point in raises @ $25.00/ft.	2,500.00
TOTAL COST	$ 25,000.00
Government's participation	$ 18,750.00

This amendment extends completion date from 9 months to 16 months. Referring to article 13 of the contract, delete the figures "$13,500.00" and in lieu thereof substitute the figures "$18,750.00"; delete the figures "$18,000.00" and in lieu thereof substitute the figures "$25,000.00."

Work completed:	Feet	Cost	Cost/ft.
Drifting	40	$ 1,647.44	$41.19
Rehabilitation		$16,661.59	
Raising	97	4,155.98	$42.85
Operating equipment		1,327.38	
New buildings, improvements		1,086.57	
Total Costs		$24,908.62	
Salvage credit		600.00	
Final Report costs		$24,308.62	
Final Audit		$24,302.45 - (Accepted costs)	
Government participation 18,226.84			

Work was completed in May 1952, and contract terminated. Equipment was removed from mine and lower workings were allowed to flood with water.

4. Audit - Certificate issued September 8, 1953

The following exceptions were made during audit:

Supplies - Other	$12.87	
Operating equipment		
New buildings	212.66	
Miscellaneous - Repairs to equipment	9.16	
Total	$234.69	(Not allowed)

5. No Certification of Discovery was issued.

A small ore pocket was mined and yielded 51.52 dry tons averaging 2.03% WO_3 with a gross value of $3,271.30, on which a total royalty of $157.08 was paid the Government. There are no other ore reserves.

6. Comments:

The project was established to explore for tungsten at the Vasco No. 2 and the Vasco No. 5 mines, Boulder County, Colorado. Under the program, the mines were unwatered, an underground shaft and a lower level drift were rehabilitated and the Vasco No. 2 and No. 5 veins were explored by raising and sub-level drifting from the lower level. No significant discovery of tungsten ore resulted from project work. A single small lens of ferberite ore was opened up and wholly mined yielding 51 tons averaging 2.03 percent WO_3 and having a gross value of $3,271.30. A total royalty of $157.08 was paid the Government. Operations under the contract were prosecuted efficiently and in accordance with good mining standards. Project work commenced April 21, 1952, and was pursued continuously until May 19, 1953. Work under the contract was stopped by mutual agreement with the Operator and demobilization of the project followed immediately.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

JHopkins:foc
12-16-53
cc: Docket
Code 400
Admr. Reading File

Frank:

Among other things - this case brings up a point which might require clarification.

Since amendment imminent — which might raise cost part over $25,000, who handles? — Shall we let region IV amend to increase sums to a ceiling of $25,000 — & handle excess here? — No. Administrative burden. Presume if this case went from $18,000 to say $26,000 we would handle the case.

Otherwise — feel that copy memo should go to Region IV supposedly thru Committee

400

FILE COPY
SURNAME:

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

Administrator

December 11, 1952

Rutledge
Selfridge

Iron and Ferro-Alloy Division

Review of Exploration Project Idm-E306 through September 1952
Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco Nos. 2 and 5 mines
Boulder County, Colorado

The application for exploration assistance, dated December 21, 1951, requested funds for a project estimated to cost $25,000.00. Washington was informed by a memorandum dated March 27, 1952, that a revised project costing $18,000.00 had been approved, that a contract would be prepared in the Denver office and that four copies of the examination report would be forwarded when the contract was signed. The contract, which was signed on April 21, provided funds for rehabilitation of the No. 5 interior shaft and the fifth level, both of which were flooded, the driving of two raises as shown in Fig. 3, aggregating approximately 250 feet, and the driving of approximately 100 feet of intermediate drifts from the raises where warranted. The contract does not specify the sum of monies allotted to rehabilitation. In the examination report labor and supplies were estimated at $4,500.00 for the rehabilitation and $24.00 and $26.00 a foot respectively for drifting and raising. Overall cost under the contract is estimated at $51.43 a foot.

Review of the lease shows that the shaft and part of the underground workings which the Operator will rehabilitate are not included in the ground covered by the lease. It was not learned why this exclusion was made or if other operators would be benefited by use of the shaft rehabilitated in part at Government expense. The lease also contains a clause that requires the lessee to drive the size of opening the lessor thinks expedient. This could result in openings of a size larger than usually designated in Washington for exploration. The contract does not specify the size of openings. The lessor could also force the lessee to mine ore instead of developing. This could increase the overall cost of the contract by reducing the rate of monthly advance.

No mention was made of the size of target to be expected (tonnage) as a result of the proposed exploration. Figure 3 suggests that the 75-foot raise is really development rather than exploration. Seemingly the ore did not reach the fifth level since the former operators drove 350 feet beyond the "dike" without raising on it. If ore is present on the level, possibly an inclined raise should have been proposed in the dike instead of one whose first 25 feet is outside of the dike and very probably in waste. While the dip

angle is fairly flat, the broken rock might still run in such a raise. The stoping suggests that the ore shoot is narrowing as is the favorable "dike" and may soon bottom. At best the target will be small.

Work under the contract was started on April 21, 1952. By July 31 the shaft and fifth level had been dewatered, with the former rehabilitated and only 200 feet of the latter at a total rehabilitation cost of $6,176.22. During August an additional 148 feet of drift was rehabilitated. A 30-foot raise was found at 300 feet from the shaft in the vicinity of the proposed 75-foot raise. The first 20 feet were timbered. During September the balance of the raise was rehabilitated and driven 10 feet further at a cost of $27.41 a foot. Certain air facilities were also installed and rehabilitated. No further work was done toward the drift rehabilitation.

As of the end of September, $11,838.32 had been charged against the project, of which $8,929.47 was for rehabilitation. There is left $6,161.68 to drive approximately 210 feet of raise and 100 feet of drift and to rehabilitate the remaining 260 feet of the fifth level. Without further rehabilitation and at the figures used in the field report, it would require $7,860.00 to complete the raising and drifting. It will probably take several thousand dollars more than presently provided for to complete the exploration as originally proposed.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

GCSelfridge:ls
12/11/52

Copy to: Docket
Admn. Read. File
G. C. Selfridge

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

224 New Customhouse
Denver 2, Colorado

November 19, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 2304, Contract Idm-E306 (Tungsten)
L. and P. Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of September, 1952, pertaining to DMA Docket 2304, Contract Idm-E306, L. and P. Mining Company.

for John F. Shea
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

FILE COPY 400
SURNAME:

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

Rutledge
Martin
Robins
Hoffland
Chamberlin
Mitterdorf

BL

SEP 15 1952

Mr. W. H. King
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vance No. 2 and No. 5 Mines
Boulder County, Colorado
Exploration Contract No. Idm-7306

Dear Mr. King:

Reference is made to Amendment No. 3 to the subject contract. Although no specific justification for this amendment is stated either in the amendment or the accompanying letter, we can accept the inferred justification in this instance because the equipment to be furnished by the Operator at no cost to the project takes the place of equipment previously allowed in the contract under "To be rented" and "To be purchased".

In future amendments to DMEA contracts, however, it would be appreciated if you could arrange to have definite justification for each either stated concisely as part of the amendment or attached thereto if a more lengthy statement is required.

Sincerely yours,

9/15/52

Frank A. Johnson
F. A.

Chairman, Operating Committee

FARutledge'lm
9/9/52

Approved:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. IV
Operating Committee
W. S. Martin
F. A. Rutledge

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

224 New Customhouse
Denver 2, Colorado

August 27, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Amendment No. 3 to Contract No. Idm-E306, Docket DMEA 2304 (Tungsten), L. & P. Mining Company

Enclosed are the original and two copies of Amendment No. 3 to Contract No. Idm-E306. Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

Also enclosed are three copies of a letter from the operator requesting this amendment.

W. H. King

W. H. King

Enclosures

SDS
9-3-52

Colorado Branch
Date Rec'd
AUG 4 1952
BUREAU OF MINES
Denver, Colorado

DIST. ENGR.
EXAMINATION
DIST. CLERK
PERSONNEL
FILES
PLB

July 31, 1952.

Bureau of Mines,
234 New Customhouse,
Denver, 2, Colo.

Re: Contract Idm-E306
Docket DMEA 2304

Att: Mr. King.

Gentlemen:

We hereby make application under the above contract and docket for an amendment to be effective as of the date of the contract the following:

The equipment listed below to be furnished by the Operator at no expense to the project other than maintenance and operating expense.

1 Single Drum Hoist
Name plate and serial number not on hoist.
1 Water Pump
Serial 0541959
Model A1½ MRV 25
Ingersoll Rand
Size 1½"

This equipment has been loaned to us by the Hetzer Mines of Boulder without charge.

Very truly yours,

L. & P. MINING CO.

SL/L

BY Stanley Larson
Partner

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

224 New Customhouse
Denver 2, Colorado

August 5, 1952

Memorandum

To: C.O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Amendment No. 2 to Contract Idm-E306, Docket DMEA 2304, L. & P. Mining Company (Tungsten)

Enclosed are the original and two copies of Amendment No. 2 to Contract Idm-E306. Copies of this amendment have been given to the operator, Fiscal Officer, Region IV, and a copy has been retained for our files.

Also enclosed are three copies of each of two letters from the operator requesting this amendment and three copies of a memorandum by R. L. Bolmer, Bureau Engineer, approving the request.

W. H. King

W. H. King

Enclosures

RECEIVED
AUG 12 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

224 New Customhouse
Denver 2, Colorado

August 1, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: FOrm MF-104, DMEA Docket 2304, Contract Idm-E306 (Tungsten), L & P Mining Company, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period April 21 through May 31, 1952, pertaining to DMEA Docket 2304, Contract Idm E306 (Tungsten), L & P Mining Company, Boulder County, Colorado.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 22, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2304, Contract Idm-E306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Amendment to contract

Please find enclosed the original and five copies of R. L. Bolmer's memorandum covering an amendment to the subject contract.

Allowance for purchase of a controller swithh at a cost of $75.00 is approved. The request for purchase of an electric motor for a drive for this compressor is not approved in view of the contractors' agreement to furnish that part of the equipment.

I agree with the engineer's recommendations.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/ash

cc 5
E306
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 22, 1952

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2304, Contract Idm-K306 (Tungsten), L. and P. Mining Company, Boulder County, Colorado - Amendment to contract

Stanley Larson, a partner in the L. and P. Mining Company, has submitted a request for an amendment of the subject contract to permit (1) the purchase of a compressor and motor in lieu of compressor rental as provided in the contract and (2) the purchase of an electrical controller for the mine hoist drive at a cost of $75.00.

The subject contract provides for 4 months' rental of a compressor at $290.00 per month for a total expenditure of $1,160.00. In their original application for aid, the contractors stated that they possessed a small compressor which would be available for use during the exploration project. As the capacity of this compressor was small, it was thought necessary to supplement it with a rented compressor after rehabilitation work was completed and actual mining commenced. The contract, therefore, was drawn up to include 4 months' rental of a compressor but it did not specify when during the project this rental was to start.

Apparently the contractors disposed of the compressor which they had stated would be available for use on the project. They rented a portable compressor from April 21 to May 19, 1952, for $290.00. This

equipment had been removed from the project when the first monthly inspection was made; however, its rental was substantiated by the vendor's invoice. The actual need for a compressor during the initial rehabilitation is not certain. Possibly there was some necessity for drilling plug holes in the tunnel during installation of the power cable. This rental was claimed on the May MF-104 form and was approved for payment as the contract was not specific as to when the rental was to start.

About May 19, the contractors rented an Ingersoll-Rand Imperial, Type 10 compressor. The monthly rental was $150.00. This was a rental-purchase agreement; 100 percent of the rental was to apply on its purchase price of $450.00. The contractors paid 3 months' rent in advance and made claim on the May MF-104's for $450.00 plus $9.00 sales tax.

This deal was discussed with R. C. Plummer, the other partner, during the first inspection. The compressor apparently was in good condition. Plummer stated that an electric motor drive would be provided for the compressor at no cost to the project. Because this arrangement would provide a suitable compressor during the life of the project and because the combined cost spent on compressors would not exceed the amount specified in the contract and would give the Government an equity in the equipment, the claim for 3 months' rental in advance was approved. Repairs to the compressor were not anticipated by Plummer. It was mutually understood that, should repairs be necessary, their costs would be considered for approval but under no circumstances would the Government participate in repairs which increased the total cost of compressors for the project beyond the amount allotted in the contract for compressor rental.

Larson was contacted by telephone but he did not satisfactorily explain the discrepancy between his and Plummer's statements. He did agree to let the matter of the purchase of a compressor motor drop. His request for an amendment on this matter, therefore, is not recommended.

An amendment of the subject contract to provide for the purchase of a controller switch at a cost of $75.00 is recommended. The contractors are providing a hoist with drive motor at no expense to the project. The old controller is worn and unserviceable. The purchase is considered necessary for the operation of the project.

Your attention is called to the subject contract. No provisions have been made to cover the cost of electrical power at this project. An estimate of power consumption was made in the engineering report and its cost was included in the total cost estimate. Since the report was written, some changes in equipment have been made. In addition to the pump and hoist, the new compressor will be driven electrically. The $250.00 allotted for gasoline and oil under Supplies was included on the supposition that a gasoline-powered compressor would be rented. The amount now can be allotted to electrical power and should cover the additional consumption of the compressor motor.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc 5
E306
IMRA Chron.

L. & P. Mining Co.

COPY

June 28th., 1952

Bureau of Mines
224 New Customhouse
Denver 2, Colorado

Re: Contract Idm-E306
Docket DMEA 2304

Att: Mr. King

Gentlemen:

Please be advised that we wish to amend our contract and change the rental of compressor for the last three months in the amount of $370.00 plus sales tax to the purchase of a compressor which will automatically allow you a 75% equity.

The compressor will cost $450.00 and the electric motor to drive it will cost $580.00 for a total of $1,030.00 plus sales tax of $20.60/

The compressor appeared on the May form MF-104 and the motor will appear on the June MF-104.

Very truly yours,

L. & P. MINING CO.

by /s/ Stanley Larson

SL/L

L. & P. MINING CO.

COPY

June 28th., 1952

Re: Contract Idm-E306
Docket DMEA 2304

Bureau of Mines
224 New Customhouse
Denver, 2, Colo.

Att: Mr. King

Gentlemen:

We hereby make application under the above contract and docket to purchase the following:

1 Hoisting Driving Controller $75.00

This controller is necessary in the installing of the power cable.

Your prompt attention in this matter will be appreciated.

Very truly yours,

L. & P. MINING CO.

By /s/ Stanley Larson

SL/L

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

224 New Customhouse
Denver 2, Colorado

June 11, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2304 (Tungsten) Vasco Nos. 2 and 5 Mines, Boulder County, Colorado

Enclosed are four copies of the final report on DMEA-2304. The contract has been signed and is in effect.

W. H. King

W. H. King

A. H. Koschmann

A. H. Koschmann

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
[illegible]

JUN 16 1952

ON-SITE EXAM

Mining Division
Region IV

March 27, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 2304, Vasco Nos. 2 and 5 Mines (Tungsten) Boulder County, Colorado - Stanley Larson and R. C. Plummer, applicants

Enclosed are eight copies each of the Engineering Report by R. L. Bolmer of the Bureau of Mines, the Geological Report by Ogden Tweto, and their joint section on Summary, Conclusions and Recommendations pertaining to subject application.

The original application for exploration assistance had an estimated cost of $25,000 and the field examiners believe it did not provide for satisfactory exploration of the best remaining ground.

The applicants, after discussion with the examining team, agreed to a modified program which appears to have an objective with better possibilities and is estimated to cost $18,000.

We concur with the examining engineer's recommendation that this modified request for exploration assistance be approved.

W. H. King

W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 16 1952

Reviewed by
DMEA OPERATING COMMITTEE

6-20-52
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 13, 1952

Mining Division
Date Rec'd.
MAR 14 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMEA 2304, Vasco Nos. 2 and 5 Mines (tungsten), Boulder County, Colorado

Please find enclosed eight copies of the engineering report on the above docket, by R. L. Belmer. The "Summary, Conclusions, and Recommendations" will be typed and submitted by the U. S. Geological Survey. The Survey will also return the brochure which was transmitted to them by the Region IV Field Team with their instructions to make a field examination.

Belmer prepared the engineering report mainly from data furnished by Ogden Twete. He concludes the proposed exploration is in a favorable area and that the revised program suggested is the best approach to the exploration.

The revised proposal, agreed to by the applicant, calls for exploring the Vasco No. 5 vein below the 100-foot level of the Vasco No. 2 mine by means of two raises, totaling 250 feet, from the fifth level of the Vasco No. 5 mine. The original loan request called for repairing and equipping both the Vasco No. 2 and Vasco No. 5 shafts, drifting about 350 feet from the No. 5 shaft, and some unspecified work in the Vasco No. 2 mine at an over-all cost estimated at $25,000.00, whereas the revised program will require only $18,000.00 and, in addition, will have an objective with better possibilities. Both proposals involve unwatering the mine workings. Unit costs are high as a result of leading the work with excessive rehabilitation work and the fact that little equipment is owned by the applicant for use on the project.

In view of the good possibilities of making a worthwhile ore discovery, although the resulting reserves may not be extensive, Belmer recommends approval of the loan, especially because tungsten requirements are extremely critical. I concur.

W. M. Traver, Jr.
W. M. Traver, Jr.

enclosures

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

200 New Customhouse
Denver 2, Colorado

February 27, 1952

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2304, Vasco Nos. 2 and 5 Mines (Tungsten), Boulder County, Colorado, Stanley Larson and R. C. Plummer, Applicants

Enclosed are 8 copies of the geologic report by Ogden Tweto covering subject docket.

The applicants have requested an exploration loan of $25,000 to repair, unwater, and equip 2 shafts on the property, do about 350 feet of drifting from the No. 5 shaft, and some unspecified work in the Vasco No. 2 mine. Tweto concludes that the Vasco tract, a highly productive piece of ground, contains two areas well worth further exploration, but he considers the original plan of exploration unsatisfactory. He has suggested a more realistic plan, providing for exploring the Vasco No. 5 vein below the 100 foot level of the Vasco No. 2 mine by means of two raises from the 5th level of Vasco No. 5 mine, which also has the advantage of lower cost than the original proposal. The applicants have agreed to this modified program.

I concur with Tweto's recommendation.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 2304, Vasco Nos. 2 and 5 Mines

Boulder County, Colorado

Tungsten

Ogden Tweto, Geologist
U. S. Geological Survey

R. L. Bolmer, Mining Engineer
Bureau of Mines

March 13, 1952

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)

BOULDER COUNTY, COLORADO

STANLEY LARSON AND R. C. PLUMMER, APPLICANTS

DMEA DOCKET 2304

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By Ogden Tweto, U. S. Geological Survey
and
Robert Bolmer, U. S. Bureau of Mines

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)
BOULDER COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The Vasco Nos. 2 and 5 mines are at Tungsten village, in a highly productive area in the western part of the Boulder tungsten district, Colorado. The No. 2 mine consists essentially of one level, at a depth of 100 feet in the Vasco 2 shaft, and a complex group of winzes and sub-levels, known as the Williams winze, which reach a depth of about 100 feet below the first level. The No. 5 mine comprises two tunnels and an underground shaft, in the lower tunnel, from which the 3d, 4th, and 5th levels are turned. The 5th level extends southwest under much of the Vasco 2 first level and 175 feet below it.

The Vasco 5 mine and the northern part of Vasco 2, including the Williams winze, are on Vasco No. 5 vein. Some of the Vasco 2 workings are on Vasco No. 2 vein, which intersects No. 5 vein. Two ore shoots have been worked on Vasco 5 vein, and two smaller ones on Vasco 2, including one at the intersection of Nos. 2 and 5 veins. One of the two shoots on No. 5 vein bottomed just below the lower tunnel; the other has been worked from the surface down to the lowest level of the Williams winze. As the dike in which it is localized continues downward, deeper exploration is warranted. Exploration of the intersection of the No. 2 and No. 5 veins in the 175-foot block between the fifth level and the Vasco 2 first level is also a good prospect.

The applicants have requested an exploration loan to equip the No. 2 and No. 5 shafts, unwater, drive the 3d and 4th levels of Vasco 5 forward a combined total of 350 feet, and do some unspecified work in Vasco 2 mine at a total estimated cost of $25,000. As this program is unnecessarily costly and does not provide for satisfactory exploration of the best remaining ground, the applicants, after discussion with them, have agreed to modify this program considerably.

Under the revised program, the area beneath the Williams winze would be explored by a 75-foot raise from the Vasco 5 fifth level, and the area near the intersection of Vasco No. 2 and No. 5 veins would be explored by a 175-foot raise from the 5th level to the Vasco 2 first level. A maximum of 100 feet of sublevel drifting would be done at the most favorable sites in the raises. Thus all work would be done through the Vasco No. 5 shaft and from the 5th level. The cost of such a project, including equipping the shaft, unwatering, preparation of the 5th level, and doing 250 feet of raising and 100 feet of sublevel drifting is estimated to be $18,000. This project is recommended for approval for an Exploration Loan (Government participation 75%, or $13,500).

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)

BOULDER COUNTY, COLORADO

STANLEY LARSON AND R. C. PLUMMER, APPLICANTS

DMEA DOCKET 2304

Geologic Report

By Ogden Tweto
U. S. Geological Survey
Denver, Colorado

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)
BOULDER COUNTY, COLORADO

INTRODUCTION

The Vasco Nos. 2 and 5 mines are on a property known as the Vasco tract, which comprises the SW$\frac{1}{4}$ of section 8, T. 1 S., R. 72 W., Boulder County, Colorado. The mines are at the village of Tungsten. Vasco No. 2 shaft is at the foot of the highway embankment at the curve where the Boulder-Nederland highway turns southward toward Barker dam. Vasco No. 5 lower tunnel, the chief means of access to the No. 5 mine, goes under the highway about 500 feet east of the curve.

The Vasco No. 2 mine (fig. 1) is opened by a shaft 200 feet deep, with levels at 100 and 200 feet. The lower level is very short; almost all the workings are on the first level. This level connects to the southwest with the Vasco No. 8 workings, which connect in turn with the Barker No. 1 and the Clark Tunnel. To the northeast, the level connects through stopes and a raise with the lower tunnel of Vasco No. 5. At the northeast end of the level, the Williams winze, in reality a complicated set of winzes and sublevels, extends the workings to a depth of about 100 feet below the level.

The Vasco No. 5 mine is opened by two tunnels, the upper of which is caved, and an underground shaft in the lower tunnel (fig. 2). Three levels, at 91, 176, and 220 feet are turned from the shaft. These are known as the 3d, 4th, and 5th levels of the Vasco No. 5 mine.

The Vasco tract, a highly productive piece of ground, is now owned by Hetzer Mines, Inc. The applicants have leased a portion of the tract,

including part or all of Vasco Nos. 2, 5, and 8 veins, lying south of an east-west line which runs approximately through the Vasco No. 5 underground shaft. To explore this ground, they have submitted a project estimated to cost $25,000 for an Exploration Loan (Government participation 75%, or $18,750). The project provides for repair, unwatering, and equipping the Vasco No. 2 and Vasco No. 5 shafts, about 350 feet of drifting from the No. 5 shaft, and some unspecified work in Vasco No. 2 mine. This program is unsatisfactory for several reasons. The cost is too high for the work specified; the objectives are vague with respect to Vasco No. 2; it should not be necessary to equip both No. 2 and No. 5 shafts; and the proposed workings would explore unpromising ground near other workings, whereas much more promising ground could be explored by less costly workings. Accordingly, a conference was held with the applicants, and they have agreed to a program substantially lower in cost, providing for exploring the Vasco No. 5 vein below the 100 foot level of the Vasco No. 2 mine by means of two raises from the 5th level of Vasco No. 5 mine (see fig. 3).

GEOLOGY

The Vasco Nos. 2 and 5 mines are in gneissic, streaky, impure granite in the transition zone between a granite batholith and its schist wallrock. The Vasco No. 5 workings and the most productive part of the Vasco No. 2 mine are on the Vasco No. 5 vein (figs. 1 and 2). Two main ore shoots were worked on the vein, one in each mine (fig. 3). The vein strikes about N. 60° E. and dips 60°-80° NW. The Vasco No. 2 vein, and what is essentially its southern continuation, the No. 8 vein, branches

southward from the footwall of the No. 5 vein in the middle part of the Vasco No. 2 mine. The No. 2 and No. 8 veins strike about N. 20° W. and dip 50°-75° NW. The Vasco No. 2 vein contained two relatively small ore shoots, one at the intersection with the Vasco No. 5 vein, and one at the intersection with the Vasco No. 8 vein. The Vasco No. 8 vein contained one ore shoot, in the Vasco No. 8 mine, south of the Vasco No. 2 mine.

The two ore shoots on the No. 5 vein were localized where the vein cut irregular, poorly defined, dike-like masses of extra-siliceous granite cut by many irregular, ramifying bodies of aplite, pegmatite, and alaskite (fig. 3). The northeastern ore shoot extended from the surface down to the Vasco No. 5 lower tunnel, or slightly below. The southwestern shoot was worked from the surface to the lowest workings in the Williams winze. There is thus possibility of ore at greater depth, and one of the objectives of the proposed program is to explore below the winze workings by raising from the Vasco No. 5 fifth level to the bottom of the Williams winze.

CONCLUSIONS

The Vasco Nos. 2 and 5 mines contain two areas well worth further exploration, one beneath the Williams winze, and one in the large block of unexplored ground near the intersection of the No. 5 and No. 2 veins, between the Vasco 2 first level and the Vasco 5 fifth level. Both veins are orebearing near this intersection above the Vasco 2 first level and in a shallow winze below the level. The applicant's proposal to drive the Vasco 5 third and fourth level drifts forward would explore the

Williams winze area inadequately, and would not explore the other possibility at all. The applicants have now agreed to exploration by raising 75 feet from the Vasco 5 fifth level to the lowest Williams winze workings, and by raising 175 feet from a point near the southwest breast of the 5th level to the Vasco 2 first level near the intersection of Nos. 2 and 5 veins (figs. 2 and 3). Thus all work would be done through the Vasco No. 5 shaft, and on the 5th level. Vasco No. 2 shaft would not be used, as experience during operation of Vasco 2 in 1943-44 showed that Vasco 2 drains completely when Vasco 5 is unwatered.

In addition to the two raises, provision should be made for 100 feet of sublevel drifting to explore further any promising showings found in the raises.

Thus the proposed program includes the following elements: (1) Equip, unwater, and repair the Vasco No. 5 shaft; (2) Perform any necessary repairs to the 5th level southwest from the shaft to the breast, a distance of 650 feet, and equip with rail and pipe. (The level is not expected to be in bad condition.); (3) Drive two raises of 75 and 175 feet, or a total of 250 feet, and do 100 feet of sublevel drifting. The cost of this program is estimated to be $18,000 in the accompanying engineering report.

RECOMMENDATIONS

The project outlined in the preceding paragraph is recommended for approval. The estimated cost is $18,000, of which the Government's share would be 75%, or $13,500.

DMEA 2304

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)
BOULDER COUNTY, COLORADO

Engineering Report

By R. L. Bolmer
Mining Engineer
Bureau of Mines

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)
BOULDER COUNTY, COLORADO

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*See figures following Geologic Report.

VASCO NOS. 2 AND 5 MINES (TUNGSTEN)
BOULDER COUNTY, COLORADO

ENGINEERING REPORT

By

R. L. Bolmer

INTRODUCTION

The L. & P. Mining Company, lessee of the Vasco Nos. 2 and 5 mines located in Boulder County, Colo., has applied for a loan to explore its leased property for tungsten. In its application, the company proposed an exploration program estimated to cost $25,000.00 which consisted of unwatering, repairing, and equipping the Vasco No. 2 and Vasco No. 5 shafts, drifting about 350 feet from the No. 5 shaft, and some unspecified work in the Vasco No. 2 mine. This program was rejected because the proposed work would explore unfavorable areas near older workings at costs which were considered excessive. More promising areas for exploration exist in the mines than were selected by the applicant and which could be explored at less expense. After discussing these facts, the applicant agreed to a proposal substantially lower in cost which would provide for exploring the Vasco No. 5 vein below the 100-foot level of the Vasco No. 2 mine by means of raises from the fifth level of the Vasco No. 5 mine.

ACKNOWLEDGMENTS

The cooperation of R. C. Plummer, partner in the applicant company, in supplying information regarding the facilities at the mines is acknowledged. The maps and sections, figures 1, 2, and 3,

to which reference is made in this report, are those prepared by the U. S. Geological Survey and included in the accompanying geological report.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Vasco No. 2 and 5 mines are in the SW1/4 sec. 8, T. 1 S., R. 72 W., 6th principal meridian, in Boulder County, Colo. The mines are in the central portion of the Boulder County tungsten district at the village of Tungsten (fig. 4). Tungsten is in Middle Boulder Creek Canyon 15 miles west of Boulder via State Highway 119, an all-weather road. Boulder is a commercial center and the nearest shipping point. The mining community of Nederland is located 2 miles to the west. The mines are accessible through shafts and adits adjacent to the highway. The elevation is 8,000 feet and winters in the district can be severe; however, all the mines in the area can be and have been in the past operated the year 'round. Water requirements over and above that made in the mines is obtainable from the creek, only a few hundred feet distant. No timber for mining purposes is available on the property but can be obtained from local sawmills. Electric power lines of the Public Service Company of Colorado pass about 500 feet from the portals of the mines.

HISTORY AND PRODUCTION

Tungsten ore was discovered at what was later to become the Vasco No. 5 mine in 1905, and the discovery of what was later known as the Vasco Nos. 1, 2, 3, 4, 7, 8, and 10 mines followed rapidly. The patented agricultural acreage containing these

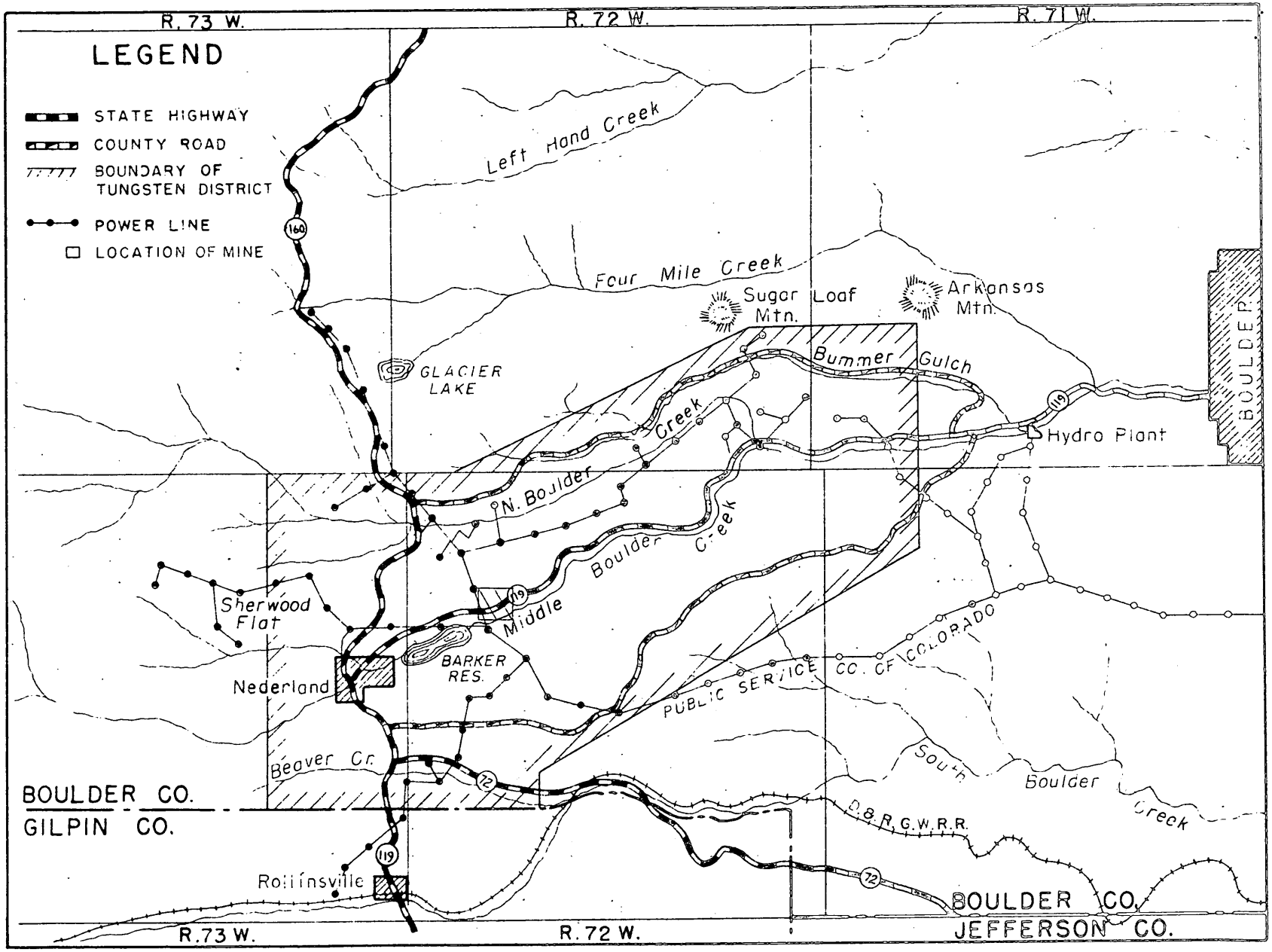


FIG 4 LOCATION MAP VASCO NOS 2 & 5 MINES BOULDER CO, COLO DMEA 2304

discoveries was purchased in 1915-16 by the Vanadium Steel Corporation. It operated the mines continuously until 1919. Production in excess of $2,000,000.00 was reported.

In 1925 the property was sold to the Tungsten Production Company. Mining and development was continued in the Vasco group. The Vasco No. 6 mine was developed by this company and it alone produced over $1,000,000.00 in ore. Spasmodic work was performed in several of these mines during World War II. These small, high cost, lessee operations were shut down when the Metals Reserve Corporation stopped buying tungsten ores.

The property was purchased by the present owners, Hetzer Mines, Inc., in 1950. The properties have been leased in part since that time. Ore produced from the Nos. 1 and 5 mines in 1951 was worth $15,000.00 and $5,000.00, respectively.

The Vasco group of mines is adjoined by many small producing mines and three large producers. The Barker No. 3, Forest Home, and Cold Springs mines each have production records in excess of $1,000,000.00.

OWNERSHIP AND EXTENT

Hetzer Mines, Inc., owner of the Vasco tract which comprises the SW1/4 sec. 8, T. 1 S., R. 72 W., has leased to Stanley L. Larson and R. C. Plummer, partners who have filed application for an exploration loan as the L. & P. Mining Company, that portion of the tract known as the Vasco No. 2 vein, the Vasco No. 5 vein, and the Vasco No. 8 vein. (A copy of the lease was attached to the application.) All of the SW1/4 sec. 8 lying

north of a line running from the intersection of the Vasco No. 5 tunnel with the Vasco No. 5 vein westerly to the west line of section 8 (fig. 2, U. S. Geological Survey report) is reserved from the applicant's lease. It should be noted that the Vasco No. 5 shaft and portions of the levels off that shaft occur in ground excluded from the lease. The applicant's exploration proposal involves the unwatering and rehabilitation of this shaft and all the mining performed will be through it. The lease, granted on December 12, 1951, is to run for a period of 3 years. A subordination agreement was not included with the application and will be required before a contract can be drawn up.

DESCRIPTION OF THE DEPOSITS

The Vasco Nos. 2 and 5 mines are in a gneissic granite that occurs in a transition zone between a granite batholith and its schist wall rock. The main veins, the Vasco Nos. 2, 5, and 8, intersect to form a continuous vein system that is irregular in strike. The general trend of the system is northeast and its dip varies from 50° to 80° to the northwest. Local splits and branches are common off the main system (figs. 1 and 2, U. S. Geological Survey report). These veins are typical of others in the district, being generally narrow and predominately quartz. Much of their lengths are barren of other mineral but sections containing ferberite mineralization occur at places and in some instances its grade and extent is great enough to be classed as an ore shoot.

Two main ore shoots were worked on the No. 5 vein, one in each mine (fig. 3, U. S. Geological Survey report). These were localized where the vein cut dike-like masses of pegmatite and aplite in siliceous granite. The shoot worked in the No. 5 mine extended from the surface to below the lower No. 5 tunnel, a depth of about 160 feet. The other shoot was worked from the surface and through the Vasco No. 2 shaft to the bottom of the Williams winze, a depth of 250 feet. When mining stopped in 1944 due to high mining costs and closing of the government purchasing depots, 8 to 10 inches of ore containing several percent WO_3 were reported in the bottom of the winze. Lower levels off the No. 5 shaft apparently followed the No. 5 vein. This development was done in the late twenties and has been flooded since then. No stoping on the vein at this depth was reported and the vein may be barren. The Vasco No. 2 vein contains two small ore shoots, one at its intersection with the No. 5 vein and one at its intersection with the No. 8 vein.

As the ore shoots generally are narrower than mining widths, dilution is expected; however, it is kept at a minimum by mining stopes as narrow as possible and by hand sorting the ore from the waste, either in the stopes or at the bins. Often ore and waste are broken separately in the stopes and the sorted waste used as fill and ground support. Timber requirements for ground support in drifting or in stoping generally are small. Raises are stulled and lagged, more to maintain a manway and chute than for ground support. Oh yes.

ORE RESERVES

Measurable or blocked out ore reserves do not exist in the two mines. Similar to many small mines, especially those opened to leasing operations, ore encountered in exploration and development was mined out in so far as it was economically possible to do so. Indicated and inferred ore based on the geological probability of an extension of the ore shoots with depth does exist. The proposed program will explore the two most promising areas. Diamond drilling was performed by the Bureau of Mines in 1943 from the first level of the Vasco No. 2 shaft. One drill hole at the intersection of the No. 2 and No. 5 veins cut 0.65 feet of ore assaying 6.85 percent WO_3.

PRESENT STATUS

Exploration and Development

The existing development in the Vasco Nos. 2 and 5 mines is shown clearly in figures 1, 2, and 3, with the U. S. Geological Survey report. These mines adjoin and the No. 5 vein, upon which the proposed exploration will be performed at depth, was developed from the two mine workings.

The principal work in the No. 2 mine was from the first or 100-foot level off the 200 feet deep Vasco No. 2 shaft. Towards the southwest, this level connects into the Vasco No. 8 and other mines; to the northwest EAST, it connects through stopes and a raise into the lower tunnel level of the No. 5 mine. In this section, an ore shoot on the No. 5 vein was worked to the surface, both from this level and from the lower tunnel level of the No. 5

mine. The same ore shoot was followed and worked about 100 feet below the level by means of the Williams winze, a complex system of winzes and sublevels.

The No. 5 mine was developed by drifting on the No. 5 vein from two crosscut tunnels or adits. The upper tunnel has caved and present access to the mine is through the lower tunnel. The vein was developed below the lower tunnel level by a 220-foot underground shaft. Four levels were driven southwest on the vein from this shaft. An ore shoot was stoped from the surface to depths of the second and third levels off this shaft. The lowest or No. 5 level off the shaft is the most extensive, extending 650 feet to the southwest and below the ore shoot mined from the Williams winze in the Vasco No. 2 mine.

The workings in both mines below the elevation of the Vasco No. 5 lower tunnel are flooded. Previous experience has shown that, if the No. 5 shaft is unwatered, the workings in the No. 2 mine simultaneously are drained.

Mining and Milling Equipment and Other Facilities

At the present time, the applicant is repairing the lower No. 5 tunnel from inside its portal to the collar of the underground shaft. The installation of mine rail and a 2-inch compressed air line should be completed in this section and the tunnel repaired before the project begins. The applicant may be able also to obtain a pneumatic pump and commence unwatering operations at the shaft before that time.

The mining equipment which can be furnished by the applicant consists of a 210 c.f.m., diesel-powered compressor, a

55-pound sinker with air and water hose, and one mine car. The applicant's compressor may be too small for the distant work on the lower level. The sinker could be utilized for the proposed sub-drifting if a column and shell were obtained for it. In addition, the owner of the property has agreed to furnish the applicant an electrical hoist for installation and use at the underground shaft.

There are no facilities on the surface and, other than the electrical installations for underground hoisting and pumping, none are considered necessary.

Milling operations are not anticipated at the mine and facilities for such do not exist.

PROJECT PROPOSALS, WITH COSTS

Exploration and Development

The most promising sections from an exploration standpoint are those areas in the mines occurring (1) on the No. 5 vein below the ore shoot mined in the Williams winze, and (2) at the intersection of the Nos. 2 and 5 veins below the Vasco No. 2 first level. The exploration proposal as initially submitted was revised, with the applicant's approval, so as to include both of these areas. The method for best exploring the two areas was by raising through them from the fifth or lower level off the No. 5 shaft. The area beneath the Williams winze could be explored by a 75-foot raise and the intersection of the Nos. 2 and 5 veins by a raise of 175 feet. A maximum of 100 feet of sublevel drifting could be done at the most favorable sites in the raises.

Before attempting to raise, certain preparation and rehabilitation work will be necessary. The No. 5 shaft must be unwatered which will entail draining the workings in both mines below the level of the shaft collar and keeping them drained during the exploration program. The timbers of the headframe at the underground shaft have rotted and must be replaced. The condition of the shaft itself is unknown but a certain amount of repair work must be expected. Air and pump lines must be installed here. Similarly, the condition of the lower level is unknown. As it has been under water for over 20 years, considerable clean-up must be expected and new pipe and track along its entire length will be necessary. The estimated cost of the preparation and exploration work is itemized below.

Preparation and Rehabilitation

Preparation and rehabilitation work can be completed with a crew of three men according to the following time schedule:

(1)	Install power cable from portal to shaft, and rebuild headframe. Unwater shaft; repair shaft as water level drops.	30 shifts
(2)	Clean up 650 feet of fifth level; lay pipe and track.	30 shifts
	Total estimated time	60 shifts

Cost Summary

Labor:

Foreman-hoistman,	60 shifts at $16.33 =	$ 979.80	
Miner,	60 shifts at $15.16 =	909.60	
Helper,	60 shifts at $13.00 =	780.00	
Payroll taxes, insurance		100.60	$2,770.00

Supplies:

Timber	$ 600.00	
Pipe	380.00	
Rail	500.00	
Miscellaneous	100.00	1,580.00

Power: 150.00

Total cost, preparation, rehabilitation $4,500.00

Raising

It is estimated that the 250 feet of raising can be completed in 75 shifts at a cost of $26.00 per foot. In addition to the crew used on preparation and rehabilitation, a fourth man will be needed to tram on the lower tunnel level.

Cost Summary

Labor:

Hoistman-foreman,	75 shifts at $16.33 =	$1,224.75	
Miner,	75 shifts at $15.16 =	1,137.00	
Helper,	75 shifts at $13.00 =	975.00	
Trammer,	75 shifts at $13.00 =	975.00	
Payroll taxes, insurance		188.25	$4,500.00

Supplies:

Gasoline, oil for compressors	$ 175.00	
Timber	300.00	
Pipe	100.00	
Explosives	900.00	
Drill steel, bits	200.00	
Miscellaneous	150.00	1,825.00

Power: 175.00

Total cost of raising $6,500.00

Drifting

Sublevel drifting for a total distance off the raises of 100 feet should be completed in 30 shifts at a cost of $24.00 per foot. The same crew as used in raising will be necessary.

Cost Summary

Labor:			
Hoistman-foreman,	30 shifts at $16.33 =	$ 489.90	
Miner,	30 shifts at $15.16 =	454.80	
Helper,	30 shifts at $13.00 =	390.00	
Trammer,	30 shifts at $13.00 =	390.00	
Payroll taxes, insurance		75.30	$1,800.00
Supplies:			
Gasoline, oil for compressors		$ 75.00	
Pipe		35.00	
Explosives		240.00	
Drill steel, bits		100.00	
Miscellaneous		80.00	530.00
Power:			70.00
Total cost of drifting			$2,400.00

New Equipment and Facilities

The company must either purchase or rent certain items of equipment in order to complete the proposed work. Smaller items, such as a hoisting bucket, mine car, and pressure tank, can be purchased secondhand in the district or from equipment dealers for about one-half to one-third of their original cost. The applicant can purchase for $500.00 a used 3-inch centrifugal pump with motor. The rental on a pump of similar capacity for seven or eight months would approximate this amount. The rental of a compressor similar in size to that owned by the applicant will be necessary for the period of raising and drifting. The

capacity of both compressors, about 400 c.f.m., will be necessary for work at distant underground locations. A small pneumatic service hoist for handling supplies during raising is considered necessary. The applicant thinks that ventilation, other than that from the compressed air line, will be unnecessary. This is doubtful; however, if the shorter raise into the Williams winze is driven first, some air circulation on the lower level will occur. No allowance has been made for ventilation equipment. The equipment considered necessary is itemized below:

Equipment to be purchased:

Hoisting bucket (used)	$ 50.00	
Mine car (used)	100.00	
Water pressure tank (used)	40.00	
3-inch centrifugal pump, with electric motor (used)	500.00	$ 690.00

Equipment to be rented:

210 c.f.m. compressor, 4 months at $290.00	=	$1,160.00	
Stoping drill, 3 months at $60.00	=	180.00	
Column, arm, shell for sinking drill, 1 month at $40.00	=	40.00	
Pneumatic timber hoist, 4 months at $30.00	=	120.00	1,500.00
Total cost of equipment			$2,190.00

Manpower

Three men will be required to complete the preparation and rehabilitation work. An additional man to tram in the upper tunnel will be added when raising is started. R. C. Plummer, a partner in the applicant company, will supervise the work and also operate the hoist. It is planned to operate the property six 8-hour shifts per week. Overtime payments at the rate of time-and-one-half on the sixth shift have been included in

the cost estimates in the preceding sections. The classes of labor anticipated and the maximum wage rates are listed below:

1 Foreman-hoistman	$2.00 per hour
1 Miner	1.75 per hour
1 Miner's helper	1.50 per hour
1 Trammer	1.50 per hour

Power

Electric power will be required to operate the underground hoist and the pump used for unwatering the mines and keeping them drained during the life of the project. A three-phase, 440-volt, power line can be extended to the portal of the lower No. 5 tunnel for an estimated cost of $1,700.00. In addition, the company must purchase a power cable and install it from the tunnel portal to the hoist at the underground shaft and further extend it down the shaft, a distance of 220 feet, to serve the pump when it is permanently installed. Twenty and fifteen horsepower motors are anticipated for the hoist and pump. It is estimated that actual hoisting will not exceed half of each shift, or 4 hours per day. The pump will operate 8 hours of each shift until the mine is drained and not over 4 hours per shift thereafter. Power requirements are estimated at 150 kilowatt-hours per shift for the first 30 shifts and at 100 kilowatt-hours per shift thereafter. Power rates per month will be $37.50 for the first 30 kilowatt-hours, $0.03 per kilowatt-hour for the next 60 kilowatt-hours, and $0.01 per kilowatt-hour thereafter. Estimated power charges have been included under the various classes of work.

Power Installation Costs

Extend power line to mine portal	$1,700.00
Purchase 800 feet of 3-conductor underground cable	500.00
Total	$2,200.00

Water

Water made by the mines should be sufficient for drilling, the only anticipated requirement.

Other

An allowance of $30.00 per month, or a total of $210.00 for the seven months' duration of the project, is made for bookkeeping and accounting. Other services, such as assaying and surveying, have not been requested and are not considered essential to the project.

PRODUCTION PLAN

Time Schedule for Completion of the Project

The time schedule for the proposed program has been estimated on the basis of generally efficient work in a small scale operation. The length of time required to unwater the mines is an estimate only; however, the time allotted for this operation is double the estimate made by the applicant. The condition in which the shaft and lower level will be found and the amount of repair work required in them is unknown. Sufficient time has been allotted this work if the workings are in fair shape. The time schedule has been estimated as follows:

Preparation and rehabilitation work	60 shifts
250 feet of raising	75 shifts
100 feet of sublevel drifting	30 shifts
Total	165 shifts

On the basis of six shifts per week, this schedule should be completed in about 28 weeks or slightly less than seven months.

Rate of Production

It is expected that the rate of production of any ore discovered as the result of the proposed exploration would be very low. A daily production of more than a few tons of ore averaging 2 percent WO_3 could not be expected. Besides being limited by the inefficient mining methods necessary in the narrow and irregular veins, the production rate would be further curtailed by the existing development of the mines. Any ore mined off the exploratory raises must be trammed across a sublevel, dropped down the raise, trammed across the lower level, hoisted to the tunnel level, and trammed to the portal. If a large discovery were made, extensive development, probably off the lower level of the Vasco No. 2 shaft, must be performed before the rate of production could be increased appreciably.

Mining Methods and Costs

Because of the narrow veins and still narrower ore shoots along the veins, the mining methods employed by small lessees in the district are rather crude and unsystematic and should be classed as "gophering". Narrow ore showings are open-stoped, either overhand or underhand, from sublevels. Mining widths

are kept to a minimum but, as the ore often is an inch or less in width, considerable dilution occurs. Dilution is minimized by sorting the ore and waste, usually in the stope itself, and the bulk transported to the surface thus is reduced. Mining costs are high and the production per man is low; however, it is not unusual in the district to mine at a profit ore down to one inch in width.

Milling Methods and Costs

Ore mined from this property probably will be sold to the Vanadium Corporation of America's custom mill at Nederland. According to the lease, the applicant must sell the ore to this purchaser, provided its schedule of prices is at least equal to the price offered by any other party. The mill is only 2 miles distant from the mine. Transportation costs will be negligible for this distance and the ore probably will be up-graded by hand sorting to reduce its bulk weight and thus qualify for higher returns from the mill.

The mill purchases ore on a sliding scale based on its WO_3 content. Higher grade ores are purchased at a higher rate per pound of WO_3 content than lower grade ores and material containing less than 1 percent WO_3 is not accepted. The purchase schedule listed in part below was issued June 1, 1951, by the Wolf Tongue Mill. The schedule is reported unchanged since the mill was acquired by the Vanadium Corporation of America.

Percent WO_3	Per Pound	Per Unit	Per Ton
1	$1.30	$26.00	$ 26.00
2	1.50	30.00	60.00
3	1.65	33.00	99.00
4	1.75	35.00	140.00
5	1.85	37.00	185.00
10	2.10	42.00	420.00
15	2.20	43.60	660.00
20	2.23	44.60	892.00
25	2.25	45.00	1,125.00

Royalty

The applicant, as lessee of the property, must pay its owner, Hetzer Mines, Inc., a royalty of 15 percent of the net proceeds from the sale of any ores produced.

SUMMARY: COST OF PROJECT

The project as outlined herein is estimated to cost $18,000.00.

Preparation, rehabilitation	$4,500.00
Raising	6,500.00
Sublevel drifting	2,400.00
Equipment	2,190.00
Power installation	2,200.00
Other	210.00
Estimated total cost	$18,000.00

PROPOSED FINANCING

On loans for the exploration of tungsten, the Government will participate to the extent of 75 percent of the cost of the project. The partners in the applicant company have stated in the application that they are prepared to furnish a sum equal

to the 25 percent of the total cost. On a project costing $18,000.00, the applicant's share amounts to $4,500.00.

CONCLUSIONS

It is concluded that the proposed program will explore the most promising areas in the Vasco Nos. 2 and 5 mines and that the methods selected are the most feasible and the least expensive.

It is felt that the actual exploration to be performed is small in relation to the over-all expenditure. The estimated expenditure of $18,000.00 will provide a total of only 350 feet of raising and drifting. The unit cost of such exploration is about $51.00 per foot. This high unit cost is necessary because of the excessive rehabilitation work required to prepare the mines for exploration. The fact that the partners have little equipment of their own and the mines have not the necessary facilities, also increases the unit cost.

The odds are probably more in favor of discovering ore through this exploration than not; however, no opinion can be formed upon whether the amount of ore which may be discovered would justify the expenditure. This proposed program probably would be considered with less favor if the mineral sought was less critical than tungsten.

RECOMMENDATIONS

It is recommended that the tungsten exploration program at the Vasco Nos. 2 and 5 mines, which has been described in this report, be approved for the amount of $18,000.00.

400

FILE COPY
SURNAME:

Selfridge.

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

MAY 8 1952

Mr. J. H. East, Jr.
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. and P. Mining Company
Vasco No.2 and No. 5 Mines
Boulder County, Colorado

Dear Mr. East:

Returned herewith are the Operator's and the Field Team's copies of the exploration project contract belonging to the subject docket, which has been given the number Idm-E306.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

P.N.
5-8-52

Enclosure

GCSelfridge:ls
5/5/52

cc: Admn. Reading File
~~Docket~~
Field Team, Region 4
G. C. Selfridge
D. M. Lemmon, USGS
R. W. Geehan, USBM

13771

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

REFERENCE SLIP

DATE 5/2/52

REFERRED TO:

1. ~~Mr. Selfridge, Room 3538~~
2.
3.
4.

FOR:

Orig. for file

.....Action	.....Recommendation
.....Approval	.....Record
.....Comment	of.....
.....Conference	.....Referring
.....Consideration	to.....
.....Filing	.....Ready for signa-
.....Instructions	ture of.....
.....Investigation	.....Rewriting
.....Initials	.....Signature
.....Mailing	.....Suggestions
.....Previous correspondence	.....Your informtion

REMARKS: I have discussed attached with Mr. King, Reg. IV, and he advised that they had gone into the exploration and development phase of this project and believe it is primarily of an exploratory nature based

-back-

Check (X) before the items needing attention.

FRANK E. JOHNSON

Initial of sender

INT.-DUP. SEC., WASH., D.C.

upon the Field Team examination of the property. Therefore, I see no objection to the distfibution of the contract.

The attached is the Division copy. Other copies have been distributed in the usual manner.

Frank Johnson

Also attached are the Operator's copy & the Field Team's Copy. Will you please prepare a letter of transmittal to the Field referring these two copies for referral to Operator, etc.

UNITED STATES 13771
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

REFERENCE SLIP

DATE 4-28-52

REFERRED TO:

J.A.H.

1. Mrs. Berry, Rm. 4624
2. ~~Mr. Selfridge, Rm. 3538~~
3. ~~Mr. Hofflund, Rm. 4627~~
4. Hazel Berry, Rm. 4624

FOR: Looks more like rehabilitation and development. JAH

.....Action	.....Recommendation
.....Approval	.....Record
.....Comment	of.....
.....Conference	.....Referring
.....Consideration	to.....
.....Filing	.....Ready for signa-
.....Instructions	ture of.....
.....Investigation	.....Rewriting
.....Initials	.....Signature
.....Mailing	.....Suggestions
.....Previous correspondence	.....Your informtion

REMARKS: Attached contract completed under Reg. IV delegation of authority for review prior to distribution.

Discussed with Mr. Kunz and he advised they had good

Check (X) before the items needing attention.

(over)

ROBERT E. ADAMS

INT.-DUP. SEC., WASH., D.C. Initial of sender

into the Education
of the Blind
[illegible]
[illegible]

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

224 New Customhouse
Denver 2, Colorado

April 22, 1952

REGISTERED MAIL

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Contract, Docket DMEA 2304, L. and P. Mining Company

Enclosed are the original and five copies of a contract between the Government and L. and P. Mining Company, Docket DMEA 2304. All copies have been signed by the Regional Director, Region IV, U. S. Bureau of Mines, and by Stanley L. Larson and R. L. Plummer, partners of the L. and P. Mining Company.

Kindly assign a contract number and return the required number of copies of the contract to this office.

J. H. East, Jr.

J. H. East, Jr.

Enclosures

RECEIVED
APR 29 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

APR 25 1952

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

224 New Customhouse
Denver 2, Colorado

March 27, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2304, Vasco Nos. 2 and 5 Mines (Tungsten), Boulder County, Colorado - Stanley Larson and R. C. Plummer, applicants

Exploration assistance in the amount of $18,000 has been approved and the contract will be prepared by this office.

Four copies of the report will be forwarded you when contract is signed.

The original and one copy of Form 3b is attached.

J. H. East, Jr.

J. H. East, Jr.

A. H. Koschmann

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 3 - 1952

OFFICE OF THE ADMINISTRATOR

224 New Customhouse
Denver 2, Colorado

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 20 1951

December 21, 1951

Memorandum

To: Administrator, Defense Minerals Administration:
Attention: Code 210

From: Executive Officer, Region IV

Subject: Docketing for Exploration Assistance

2304

Enclosed herewith in duplicate are DMA Form 3a, Form MF-100, Form MF-103, and maps pertaining to the following application for an exploration loan:

Stanley Larson & Robert G. L. Plummer
DBA as the L. & P. Mining Company
725 W. 39th Avenue
Denver 16, Colorado

J. H. East, Jr.

J. H. East, Jr.

Enclosure

One copy MF-103 & 100 With Carbon Memo, maps, & lease sent back to Field, 12-27-51

J.Q.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 2 0 1951

Extracted from Monthly Report of Region IV for October 1952

DMA-1107 - Tom C. Stanford

An ore discovery has been certified. Preparation of a final report is awaiting receipt of the operator's report and liquidation of the small amount of equipment.

DMA-1447X - Cold Spring Tungsten, Inc.

The two raises from the fifth level, 517B and 517C, were advanced 16 feet and 27 feet, respectively, chutes installed, and manways started. The 606 crosscut on the sixth level was cleaned up, the east side straightened by slabbing and timbered where necessary, and the breast advanced 23 feet. Construction of the new headframe continued during the period.

DMA-1567X - Eureka Tungsten

Work was resumed under the new partnership, October 18. The tunnel was cleaned up and advance of the heading 10 feet completed.

DMA-1651 - Boulder Tungsten Mines, Inc.

One week of work underground was done in September and the crosscut on the fourth level advanced 10 feet for a total of 162½ feet, plus 5 feet allowed for slabbing. No work is expected in October, but we have been advised that exploration was resumed about November 7. This delay has resulted from the fire of September 7 which destroyed the surface buildings.

DMEA-2086 - Vasco TungstenCorporation

Notification has been received that work started October 28. A report is not expected until the first of December.

DMEA-2296 - Rambler mine

The 206 crosscut was advanced 12 feet, from 28½ to 40½ feet. The 207 drift was advanced 5 feet on a small quartz vein which pinched out and the dirft was stopped. The 208 drift has been advanced a total of 61½ feet from the center line of the 206 crosscut, or 59 feet for the period. It cut 7 feet of good ferberite ore where a raise will be started.

DMEA-2304 - L. and P. Mining Company

The raise mentioned in the last report was advanced 40 feet, with a pilot hole carried ahead as a safety precaution. At the end of the period ore was showing, with a width of from 4" to 1', in the southwest end of the raise.

Mr. W. H. King
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2304 - Tungsten
L. & P. Mining Company
Vasco No. 2 and No. 5 Mines
Boulder County, Colorado
Exploration Contract No. [illegible]-306

Dear Mr. King:

Reference is made to Amendment No. 3 to the subject contract. Although no specific justification for this amendment is stated either in the amendment or the accompanying letter, we can accept the inferred justification in this instance because the equipment to be furnished by the Operator at no cost to the project takes the place of equipment previously allowed in the contract under "To be rented" and "To be purchased".

In future amendments to DMEA contracts, however, it would be appreciated if you could arrange to have definite justification for each either stated concisely as part of the amendment or attached thereto if a more lengthy statement is required.

Sincerely yours,

Frank E. Johnson

Chairman, Operating Committee

FAButledge:lm
9/9/52

Approved:

J. H. Hedges

Member, Bureau of Mines

H. D. Thayer

Member, Geological Survey

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. IV
Operating Committee
W. S. Martin
F. A. Butledge

OFFICE OF
THE SECRETARY OF THE INTERIOR

At end of September.
Have completed following rehabilitation
220-foot shaft
350-feet of No. 5 level
30-feet of raise

New work 10 feet raise

Total cost. $11,838.32

Total cost from Engineer's report
$4,500.00

Expenditures to date

Rehabilitation	$8,929.47
Equipment purchases	1411.80
Installations	1223.00
10' Raise	274.05
	$11,838.32

18,000.00
11,838.32
$6,161.68 Left. 10/1/52

OFFICE OF
THE SECRETARY OF THE INTERIOR

Contract $18,000.00
Gov. share 13,500.00

Rehabilitation plan
A - 75 - foot axis
B - 175 - foot axis
C - 100 - foot extended depth

at end of August, apparently still
down 200 feet of 5th level to
rehabilitate before starting 2nd axis.

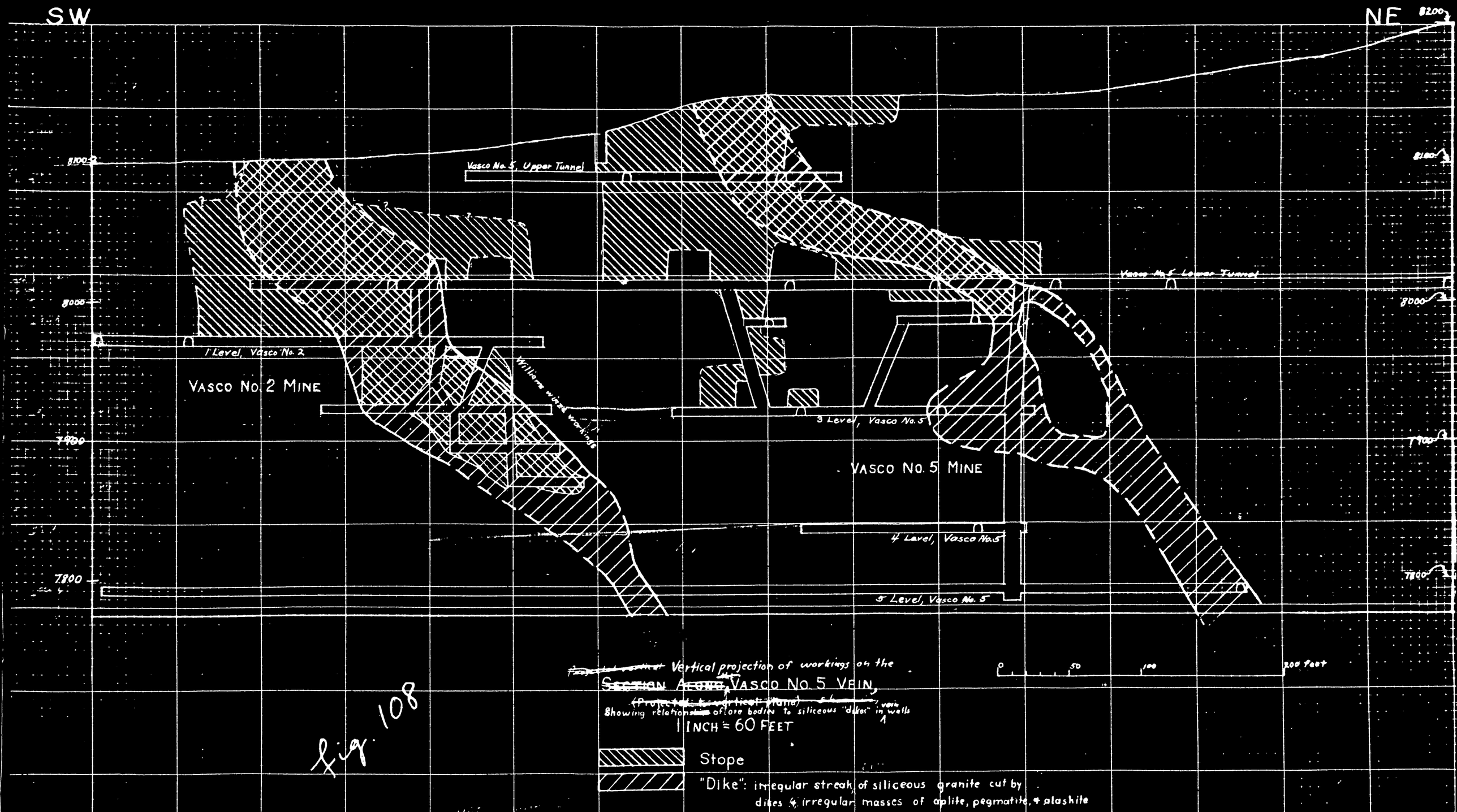
18,000.00
9,803.13

$8,196.87 left.

Will need more money to
complete contract.

Contract expires Jan. 21, 1953

Map # 1



Vertical projection of workings on the VASCO NO. 5 VEIN,
Showing relations of ore bodies to siliceous "dikes" in walls
1 INCH = 60 FEET

Stope

"Dike": irregular streak of siliceous granite cut by dikes & irregular masses of aplite, pegmatite, & alaskite

fig. 108

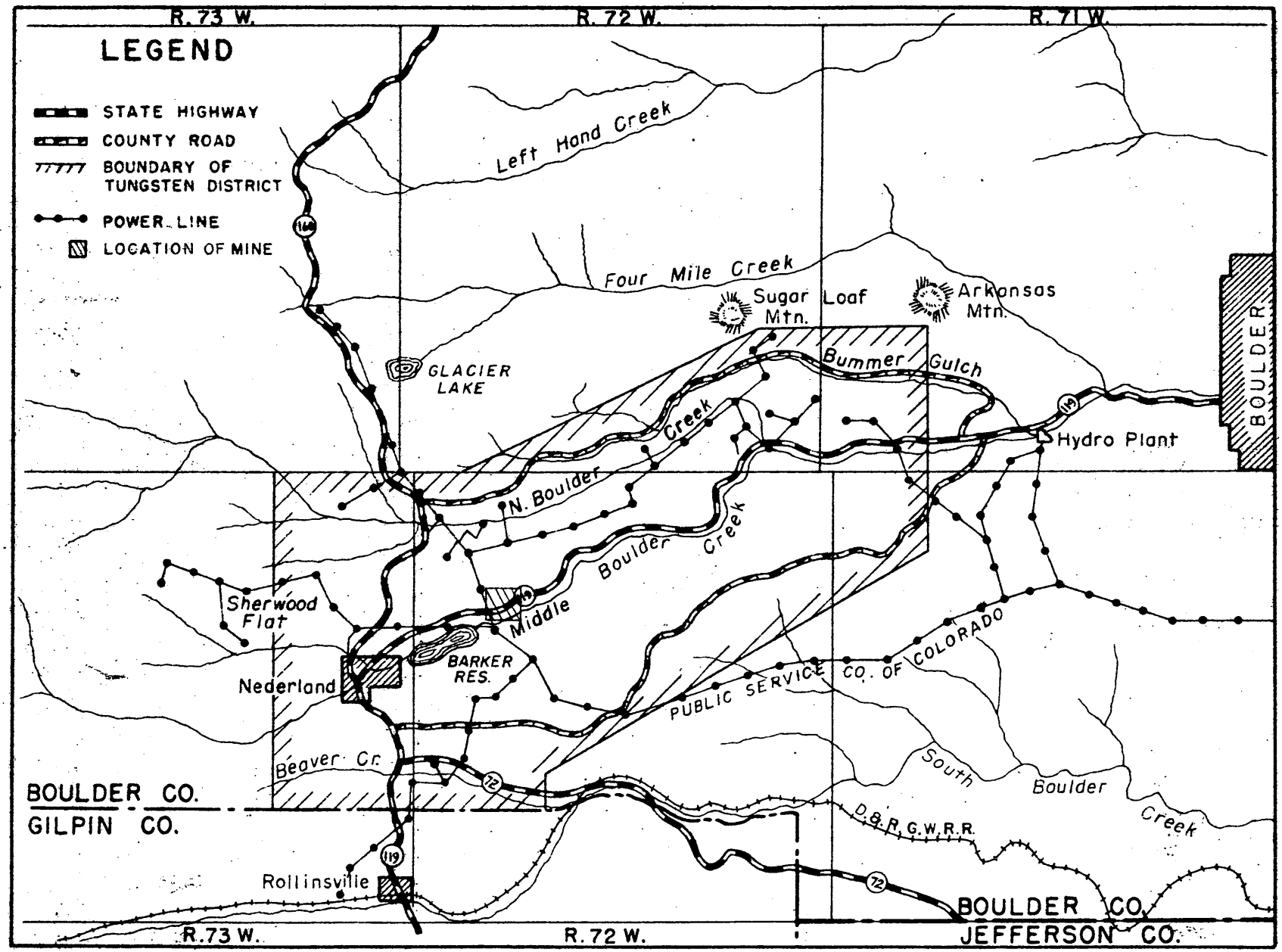
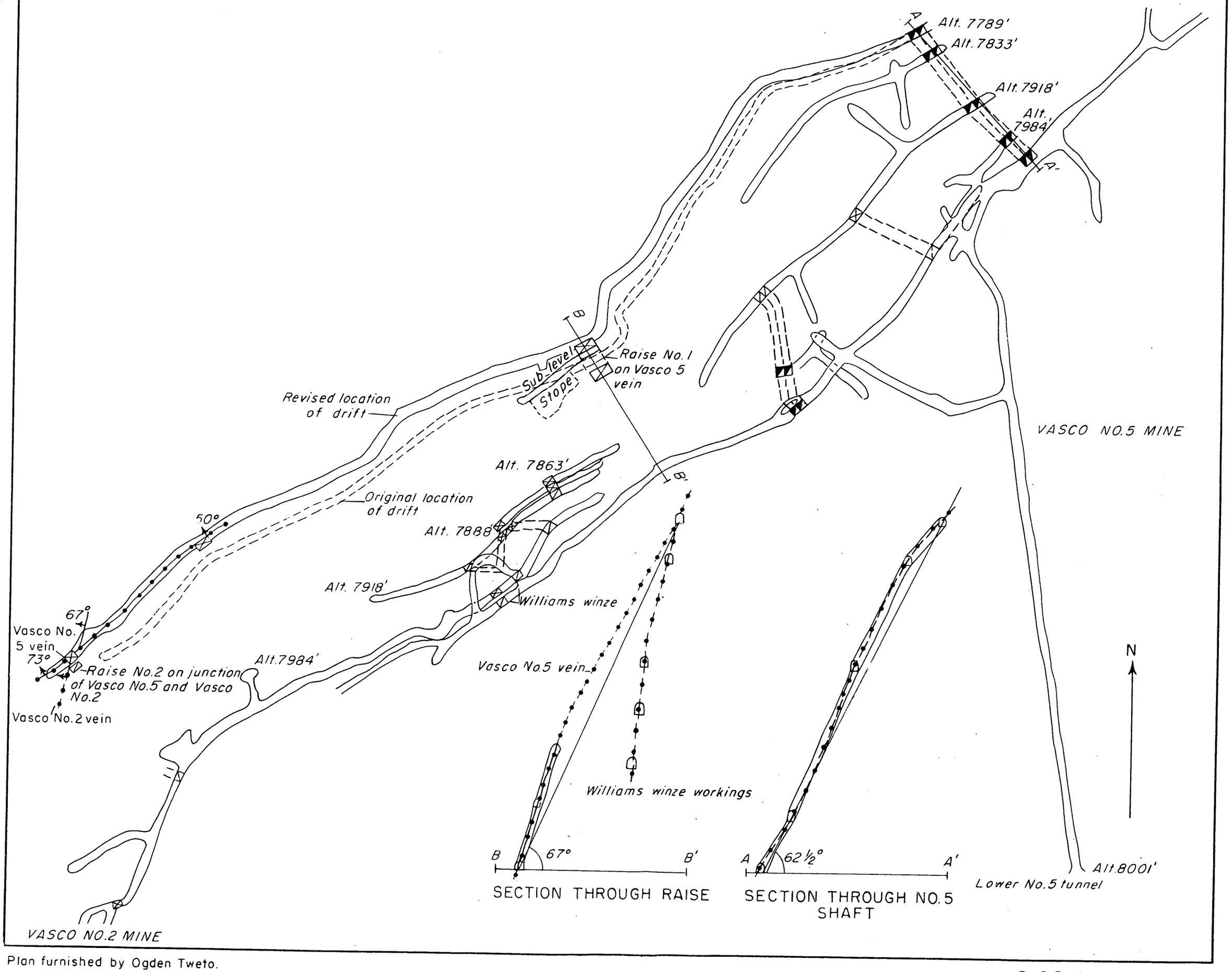


FIGURE 1. - LOCATION MAP, VASCO NO. 2 AND NO. 5 MINES, BOULDER COUNTY, COLORADO, DMEA 2304, CONTRACT Idm-E306.



Plan furnished by Ogden Tweto.

By D.R.Mac Laren, June 1953.

FIGURE 1.—VASCO NOS.2 AND 5 MINES, BOULDER COUNTY, COLORADO. COMPOSITE PLAN OF WORKINGS AND SECTIONS THROUGH NO.5 WINZE AND RAISE.

100 50 0 100 Feet

Department of Interior

U. S. GEOLOGICAL SURVEY

Workings of the VASCO Nos. 2 and 5 MINES Boulder County, Colorado

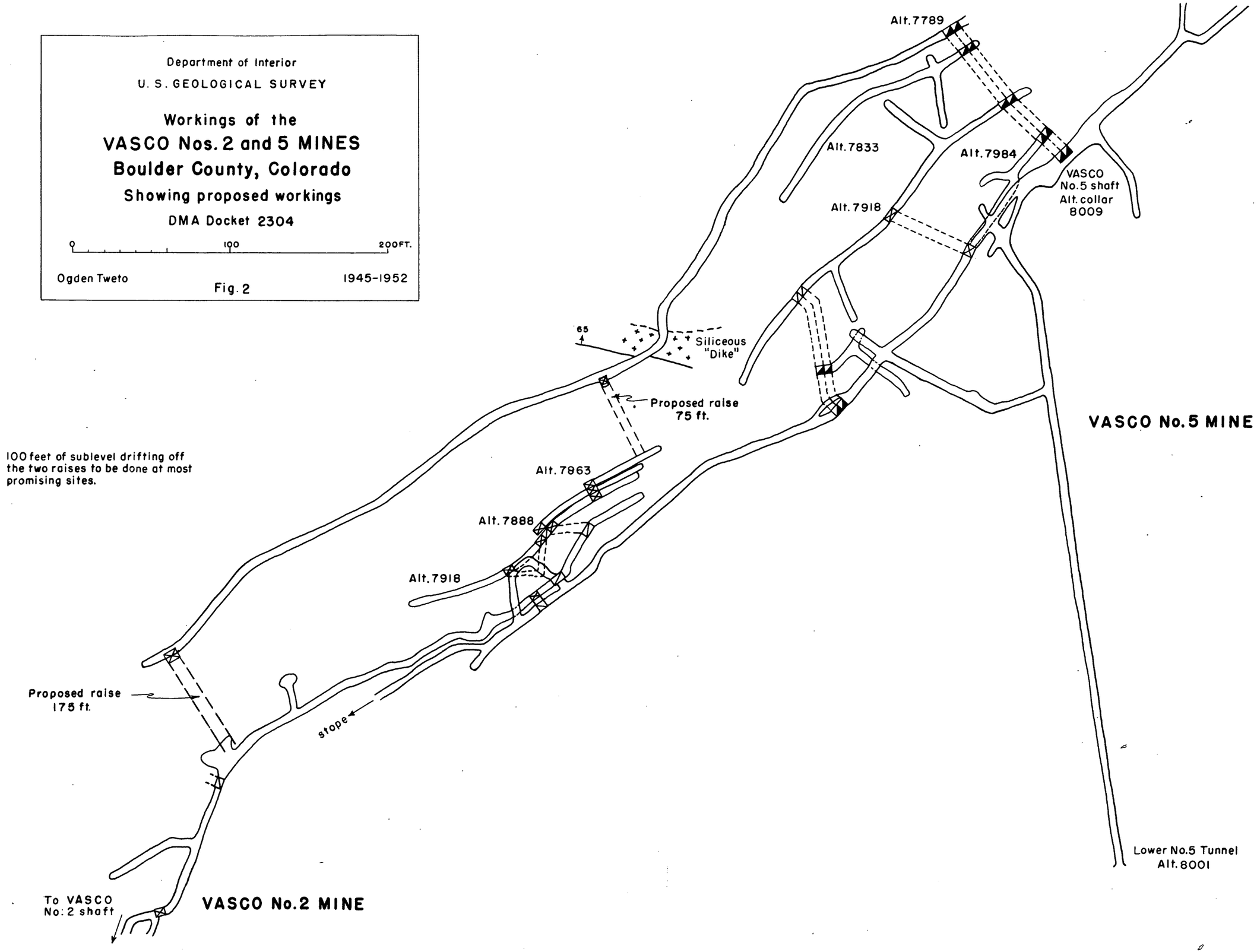
Showing proposed workings

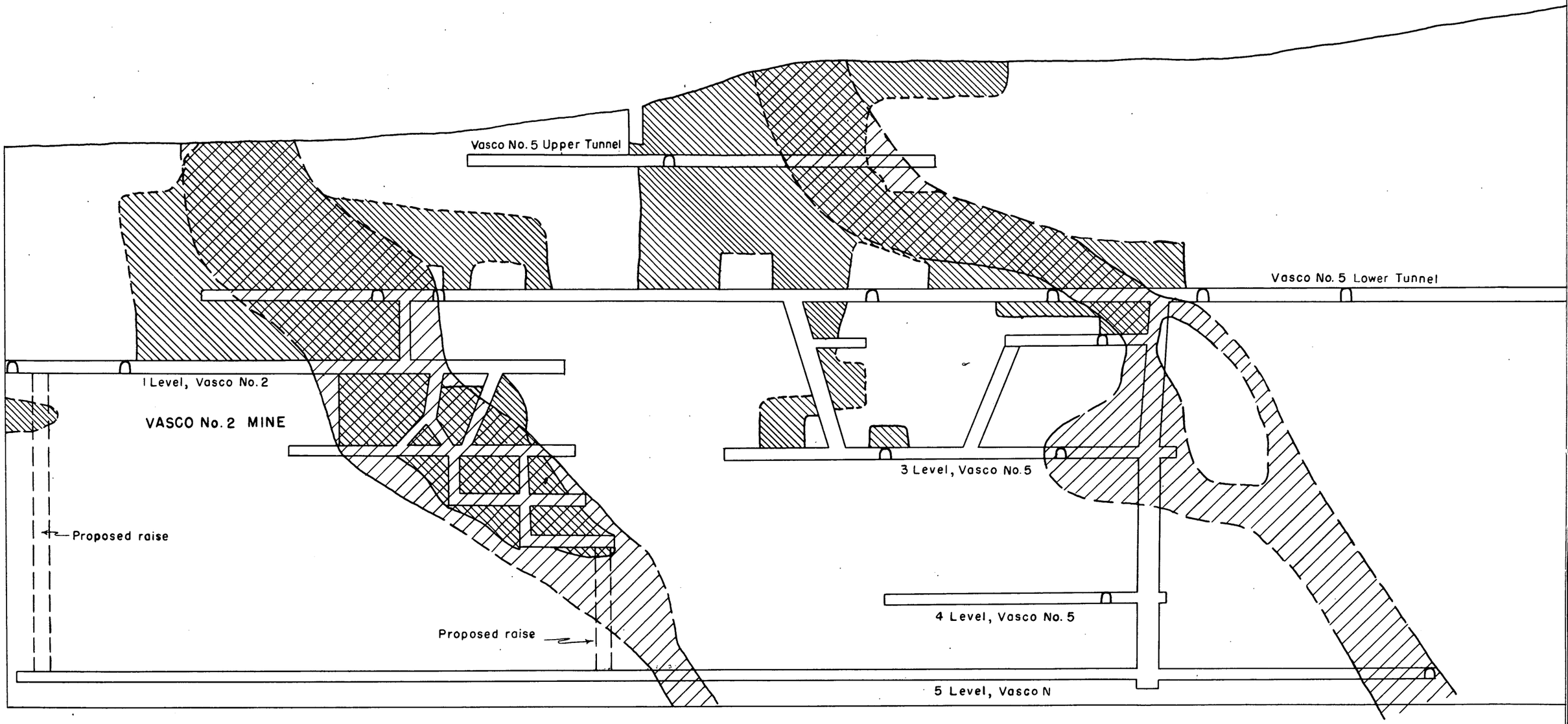
DMA Docket 2304

0 100 200FT.

Ogden Tweto 1945-1952

Fig. 2





EXPLANATION

Stope

"Dike": irregular streak of siliceous granite cut by dikes and irregular masses of aplite, pegmatite and alaskite.

Department of Interior
U. S. GEOLOGICAL SURVEY

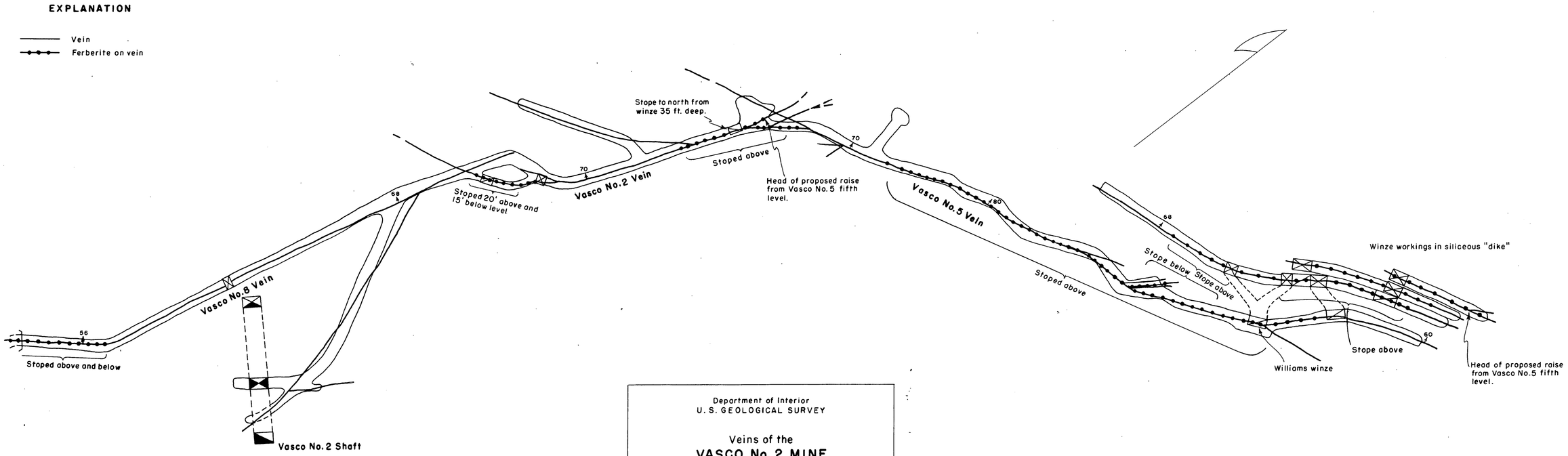
Vertical projection of workings on
VASCO No.5 Vein
Boulder County, Colorado

DMA Docket 2304

SCALE
0 50 100 150 FT.

Ogden Tweto 1945

Fig. 3



Department of Interior
U. S. GEOLOGICAL SURVEY

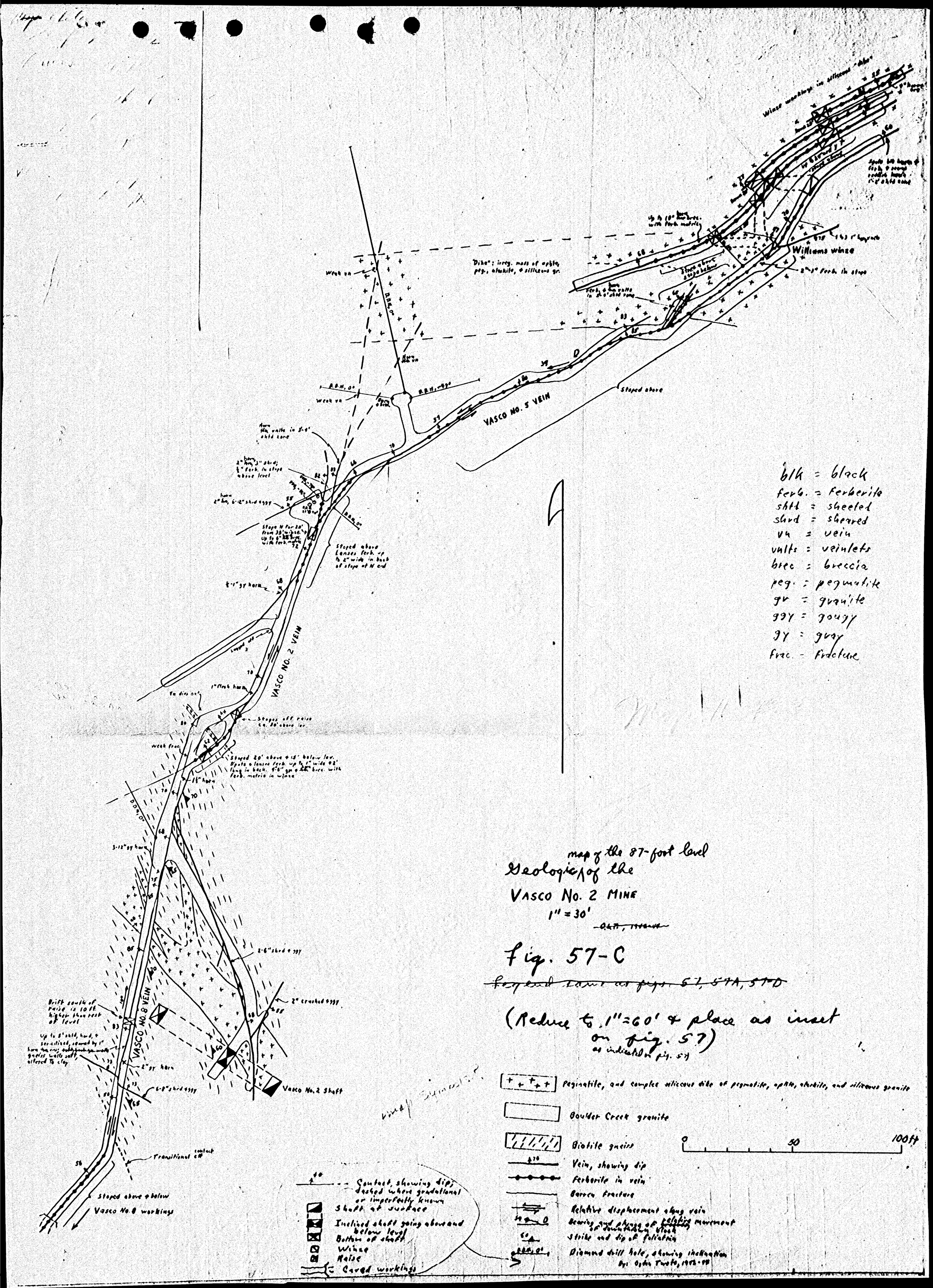
Veins of the
VASCO No. 2 MINE
Boulder County, Colorado

DMA Docket 2304

SCALE
0 30 100 FT.

Ogden Tweto 1942–44

Fig. 1



Geologic map of the 87-foot level of the
VASCO No. 2 MINE
1" = 30'

~~Oct., 1942~~

Fig. 57-C

~~Legend same as pgs. 57, 57A, 57D~~

(Reduce to 1" = 60' & place as inset on fig. 57)
as indicated on fig. 57)

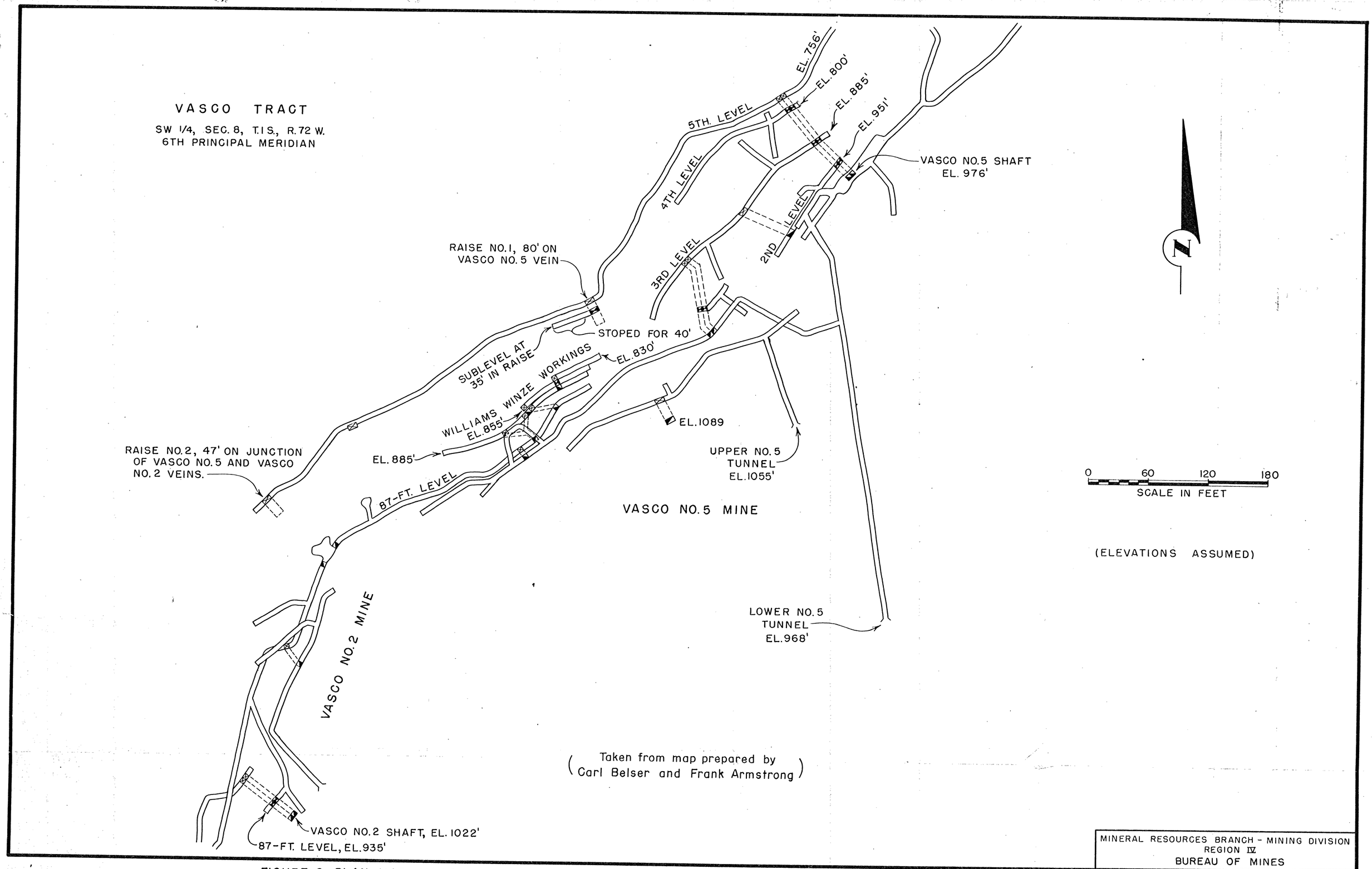


FIGURE 2-PLAN MAP, VASCO NO. 2 AND NO. 5 MINES, BOULDER COUNTY, COLO. (DMEA 2304, CONTRACT Idm-E306)

Geologic map of part of the

VASCO NO. 5 MINE

1 in. = 30 ft.

~~Base from survey by Carl Belcher~~

Pegmatite & aplite

Granite

Horn quartz

A vein, showing dip

Tungsten on vein, showing dip

~~Drill hole~~

Barren fracture

Contact, showing dips dashed where poorly defined

Caved workings

Shaft

Inclined shaft going above and below level

Winze

Raise

Relative displacement along vein and direction

Amount of horizontal displacement

Bearing and plunge of grooves (= direction of relative movement) of hanging wall

Strike and dip of foliation

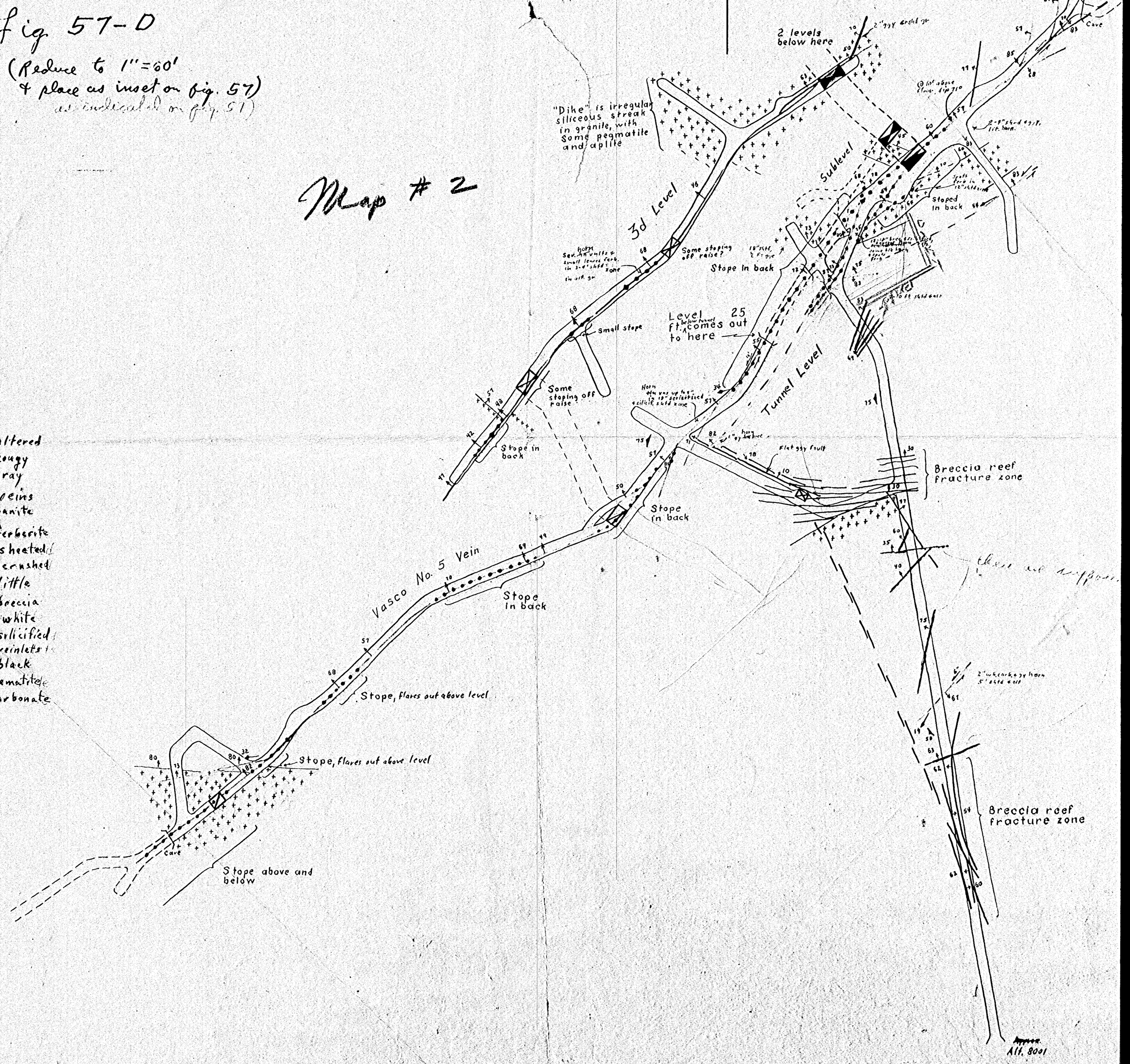
0 50 100 feet

By: ~~U.S. Geological Survey~~ Ogden Tweto, 1942 ~~December 1942~~

fig 57-D

(Reduce to 1" = 60' & place as inset on fig. 57)

(as indicated on fig. 51)

Map # 2

alt. = altered
ggy = gougy
gy = gray
vns = veins
gr = granite
Ferb. = ferberite
shtd = sheeted
crshd = crushed
lit. = little
brec. = breccia
wh. = white
silicif. = silicified
vnlts = veinlets
blk = black
hem = hematite
carb. = carbonate