UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 927

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.

no

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 _____

Reviewer's Initials 11/23/57

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the records and transactions of:

American Fork Consolidated Mines
405 Dooly Building
Salt Lake City, Utah

pertaining to Exploration Contract Idm-1285, Docket No. DMA 927 including Amendments Nos. 1 through 4, covering a project of exploration for Lead-Zinc, located in Utah County, Utah, commonly known as the Pacific Mine, for the period March 26, 1953 to August 31, 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	$16,522.74
Less Proceeds from Property Disposition	125.00
	16,397.74
Exceptions (per Audit Report)	359.74
Adjusted Total Accepted Cost	$16,038.00

The contract calls for a 50 per cent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Eight Thousand Nineteen and no/100ths dollars

- $8,019.00 -

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: April 27, 1954

T. H. Brading,
Auditor

AUDIT REPORT

I Introduction

On April 20, 1954 a final audit (covering the period of March 28, 1953 to August 31, 1953) was made of the records and accounts of operations pertaining to Contract Idm-E285, Docket No. DMA 927, and Amendments Nos. 1 through 4, with

American Fork Consolidated Mines
405 Dooly Building
Salt Lake City, Utah

covering a project of exploration for Lead and Zinc, located in Utah County, Utah, commonly known as the Pacific Mine. Prior to the On Site Audit some time was devoted to preparing preliminary working papers in the office.

The accounting records under this contract are located in the office of the company, 405 Dooly Building, Salt Lake City, Utah, and the mine is located near American Forks, Utah, which is approximately 30 miles south of Salt Lake City. During the course of the audit Mr. Wells J. Robertson, Secretary, was present and was consulted as required. His cooperation and assistance greatly facilitated the audit.

II General Information on Records

The accounting records consisted of a cash journal, payroll time book, paid invoices, and cancelled checks, and a memorandum work sheet which was the basis for preparation of the Monthly MF-104 Reports. Therefore, this audit involved, in general, a check of the original payroll records and invoices to the memorandum work sheets, and from the records to the Monthly MF-104 Reports. Costs are recorded on an 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 month of August 1953. The extent of the audit and the findings under each of the "Items of Cost" follows:

(1) Independent Contracts

Not applicable to this contract.

(2) Labor and Supervision

(a) Labor

All charges for labor were checked against the amounts recorded on the monthly work sheets. Labor costs for April and

August, 1953, were checked in detail to payroll record and payments traced through cash journal. All calculations were computed at the rates shown in contract.

The audit disclosed that the labor costs properly allowable and chargeable under the terms of the contract to be $9,439.04.

(b) Supervision

L. O. Burnett - Working Foreman

2 days actual time in March @ $500 per month	$ 33.32
April through July 1953, 4 months, @ $500 per month	2000.00
Actual time reported in August	314.56
Total Accepted Supervision Costs	$2347.88

(3) Operating Materials and Supplies

All charges under the category were checked to the monthly work sheets and the MF-104's. An analysis was made to determine propriety of the items charged. Invoices for the period under review were examined to determine that costs as charged to the project were in order. Spot check of invoices for April and August was made for proof of payment against related canceled checks.

The total cost of Materials and Supplies properly chargeable and allowable under the terms of the contract were found to consist of the following items:

	Original Cost	Property Settlement	Accepted Cost
Timber	$574.17		$574.17
Explosives	350.74		350.74
Pipe	129.66	$20.00	109.66
Track	42.18		42.18
Drill Steel and Bits	50.89		50.89
Miscellaneous	677.56	105.00	*572.56
	$1825.20	$125.00	$1700.20

*Hose	156.70
Oil	28.58
Oxygen and Acetylene	23.22
Hand Tools	48.92
Hardware and Miscellaneous	93.04
Carbide	30.12
Electrical Supplies	191.98
Total Miscellaneous Supplies	$572.56

The contractor submitted a bid in the amount of $125.00 for salvage value of Materials and Supplies on March 15, 1954. In view of the fact that this bid was the most favorable received, it was accepted by the Regional Office of Region IV on April 26, 1954.

Power

Invoices for current consumed were examined and found to be in order. These accepted power charges were $1397.53.

(4) Operating Equipment & Depreciation

All charges for depreciation on company owned equipment were checked to monthly work sheets and MF-104's. Daily time logs or other records of charges were not maintained. The examining engineer's monthly Narrative Report indicated that the charges were in order, and that the equipment was in use each month. Rates charges were checked against the contract. The proper and allowable costs for depreciation were as follows:

Description	Rates per Month	Amount
75 H.P. Electric Compressor	$83.33	$416.65
Electric Hoist	8.33	41.65
Hoisting Bucket	4.17	20.85
2 Jack Hammers	12.50	62.50
Power Saw	8.33	41.65
Locomotive	66.67 (1)	133.34
Total Accepted Cost		$716.64

(1) 2 months -- July and August -- all other charges for 5 months.

(5) Initial Rehabilitation and Repairs

Not applicable to the contract.

(6) New Buildings and Improvements

Not applicable to the contract.

(7) Miscellaneous

Repairs to Equipment

Invoices for Repairs to Equipment were examined for propriety and validity of charges. An analysis of accepted costs is shown below:

Compressor	$81.00
Jack Hammer	4.90
Hoist	26.48
Mine Cars	7.35
Hoist Motor	131.00
	$250.73

Workmen's Compensation Insurance

All charges for Workmen's Compensation Insurance were

verified by computation at the rate shown by the company's file to be in effect. This rate was .04583.

IV Conclusions

This audit has disclosed that all costs, as charged to this project, with the exception of $359.74 -- the amount in excess of that allowed by the contract, and which is disallowed -- are reasonable and proper under the terms of the contract.

The adjustments between Items of Costs, as shown on the August 1953 MF-104, the recommended disallowances, property settlement, and approved amounts, are summarized as follows:

	Totals August 1953 MF-104	Distribution Corrected	Property Settlement	Allowed by Audit
1. Independent Contracts				
2. Labor	$9439.04	$9439.04		$9439.04
Supervision	2347.88	2347.88		2347.88
3. Operating Materials & Supplies				
Timber	574.17	574.17		574.17
Explosives	350.74	350.74		350.74
Pipe	129.66	129.66	$20.00	109.66
Track	42.18	42.18		42.18
Drill Steel & Bits	50.89	50.89		50.89
Miscellaneous	682.46	677.56	105.00	572.56
Power	1397.53	1397.53		1397.53
4. Operating Equipment				
Depreciation	716.64	716.64		716.64
5. Miscellaneous				
Repairs to Equipment	245.83	250.73		250.73
Liability Insurance	545.72	545.72		545.72
	$16,522.74	$16,522.74	$125.00	$16,397.74
Excess Expended over Contract (Disallowed)				359.74
				$16,038.00

At the conclusion of the audit the findings were discussed with the Secretary, Wells J. Robertson, and R. M. Howes, Mining Engineer representing the Executive Officer of the DMA Field Team, Region IV. There were no unused materials, supplies, or other property to be disposed of for the joint account of the Operator and the Government, other than that covered by waiver or liquidation.

Dated: April 27, 1954

T. H. Brading,
Auditor

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

Geese
Porter
Hoffberg
Talbot
Selfridge
F E Johnson

JUN 10 1954

American Fork Consolidated Mines
405 Dooly Building
Salt Lake City, Utah

Re: Docket No. DMA-927
Contract No. Idm-E285

Gentlemen:

This is to advise you that the exploration work under the subject contract is considered by the Government as having been concluded, and the accounting thereto has been closed. The final audited and settled account shows:

Total allowable costs incurred	$16,038.00
Total Government contribution at 50 per cent	$8,019.00

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property or any production therefrom.

The Government is grateful for your participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Rewrite WRGriswold/bjl (6/7/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Chambers
Mr. F. E. Johnson
Mr. Bishop
Mr. Gildersleeve
Region IV (2)
Chron.

R.C.H.

No. 4

AMENDMENT OF CONTRACT: No. Idm-E285

Contract Docket No. DMA 927, dated March 25, 1952, between the United States of America and American Fork Consolidated Mines is hereby amended as follows, effective July 1, 1953:

> Referring to "EXHIBIT A" attached to Exploration Project Contract Form MF-200 (June 1951), caption "Exploration Project", add the following to the first paragraph:
>
> In addition to the foregoing work, the sinking of an 8-foot sump hole at the bottom of the winze, and cutting a slusher station at the bottom of the winze, on the opposite side from the proposed drifting, are allowable costs of 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: SEP 18 1953

AMERICAN FORK CONSOLIDATED MINES

By Theo J Roberts Sec.

UNITED STATES OF AMERICA

By W. H. King

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

Seal

No. 3

AMENDMENT OF CONTRACT: No. Idm-E285

Contract Docket No. DMA-927, dated March 25, 1952, between the United States of America and American Fork Consolidated Mines is hereby amended as follows, effective May 1, 1953:

> Referring to EXHIBIT "A" attached to Exploration Project Contract Form MF-200, heading "Labor and Supervision", change "6 Miners @ $12.50 per day*" to read "6 Miners @ $16.65 per day*".

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 JUN 17 1953

AMERICAN FORK CONSOLIDATED MINES

By H. E. Blumenthal

UNITED STATES OF AMERICA

By W. H. King

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

Seal

No. 2

AMENDMENT OF CONTRACT: No. Idm-E285

Contract Docket No. DMA 927, dated March 25, 1952, between the United States of America and American Fork Consolidated Mines is hereby amended as follows, effective as of the date of said contract:

> Referring to article "3. Exploration Project" of Exploration Project Contract Form MF-200, delete "60" and in lieu thereof substitute "465".

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 Mar. 13th 1953

AMERICAN FORK CONSOLIDATED MINES

By H. G. Blumenthal
H. G. Blumenthal, President

UNITED STATES OF AMERICA

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

Seal

No. 1

AMENDMENT OF CONTRACT: No. Idm-E285

Contract Docket No. DMA 927, dated March 25, 1952, between the United States of America and American Fork Consolidated Mines is hereby amended as follows, effective as of the date of said contract:

> Referring to article "3. Exploration project" of Exploration Project Contract Form MF-200, following the words "all properly designed to bring the project to completion within a period of", delete "8 months" and in lieu thereof substitute "two (2) years".

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 Dec 19th 1952.

AMERICAN FORK CONSOLIDATED MINES

By H.G. Blumenthal
H.G. Blumenthal, President

UNITED STATES OF AMERICA

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

(Seal)

MF-200
(June 1951)

Docket No. DMA 927
Commodity Lead-Zinc

Idm-E285

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

GOVERNMENT'S COPY

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 25th day of March, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] American Fork Consolidated Mines
405 Dooly Bldg.
Salt Lake City 1, Utah

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 Utah, County of Utah described as follows: [3] The following patented lode mining claims; Blue Rock, Lot No. 5049; Blue Rock No. 2, Blue Rock No. 3, Blue Rock No. 4, Survey No. 5861; Blue Rock No. 1, Blue Rock No. 6, Survey No. 6139; Blue Rock No. 9, Survey No. 6472; Last Chance No. 2, Survey No. 6472

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

(*a*) ~~That he is the owner, possessor and entitled to possession, and that property subject to the following~~

(*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 60 days from the date of this contract shall commence work on a project of exploration for [5] Lead-Zinc; 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] 8 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 50 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $8,019.00, which is 50 percent of the agreed estimated total cost of this project, $16,038.00.

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.

AMERICAN FORK CONSOLIDATED MINES
(Operator)

By [signature] Pres.

THE UNITED STATES OF AMERICA

By [signature]
Regional Director, Region IV
U. S. Bureau of Mines

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

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 Utah, State of Utah, described in a certain Exploration Project Contract dated March 25th, 1952, between American Fork Consolidated Mines, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated February 2, 1950, 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 25th day of March, 1952.

BLUE ROCK MINING AND MILLING COMPANY

By Jos. H. Storrs

President.

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

EXHIBIT A

Exploration Project

The proposed project consists of sinking the inclined winze approximately 50 feet to the intersection of the hanging wall fissure and the Pacific fissure. After completion of the sinking, approximately 400 feet of drift will be driven on the fissure to the northeast at the bottom of the winze. The location of the proposed work is shown on the attached map.

The estimated working time is 3 months on a 2-shift basis.

The following costs are estimated:

Labor and Supervision, Compensation Insurance	$ 7,838.00
Supplies	3,894.00
Power	1,800.00
Depreciation of equipment	625.00
Purchase of equipment	1,881.00
Total cost of project -	$16,038.00

Fixtures and Improvements

None

Operating Equipment

To be Rented:

None

To be Purchased:

1 submersible pump, 50 g.p.m. 150-ft. head	$ 412.00
1 sinker pump, 50 g.p.m. 50-ft. head	314.00
7 mine cars @ $165	1,155.00
	$1,881.00

Owned by applicant, for which depreciation is allowed:

	Item	Value	Allowable Monthly Depreciation
1	75 HP 250 c.f.m. electrically driven compressor	$5,000.00	$83.33
1	Electric hoist	500.00	8.33
1	Hoisting bucket	250.00	4.17
2	Mounted jackhammers	750.00	12.50
1	Compressed-air driven locomotive	4,000.00	66.67
1	Drill steel sharpener	1,500.00	25.00
1	Electric power saw	500.00	8.33
		$12,500.00	$208.33

Allowable depreciation - $208.33 per month
Total estimated depreciation - $625.00

Supplies

Timber	$ 1,800.00
Powder caps and fuse	923.00
Drill bits	170.00
Drill steel	200.00
900 feet of 12-pound mine rail	350.07
450 feet of 1" pipe @ $.1426 per foot	64.17
450 feet of 2" pipe @ $.3039 per foot	136.76
Miscellaneous small tools, pipe fittings, etc.	250.00
	$3,894.00

Labor and Supervision

6 Miners @ $12.50 per day*
1 Foreman @ $500.00 per month

* Based on an 8-hour day, 5-day week, with time and one-half for the sixth day.

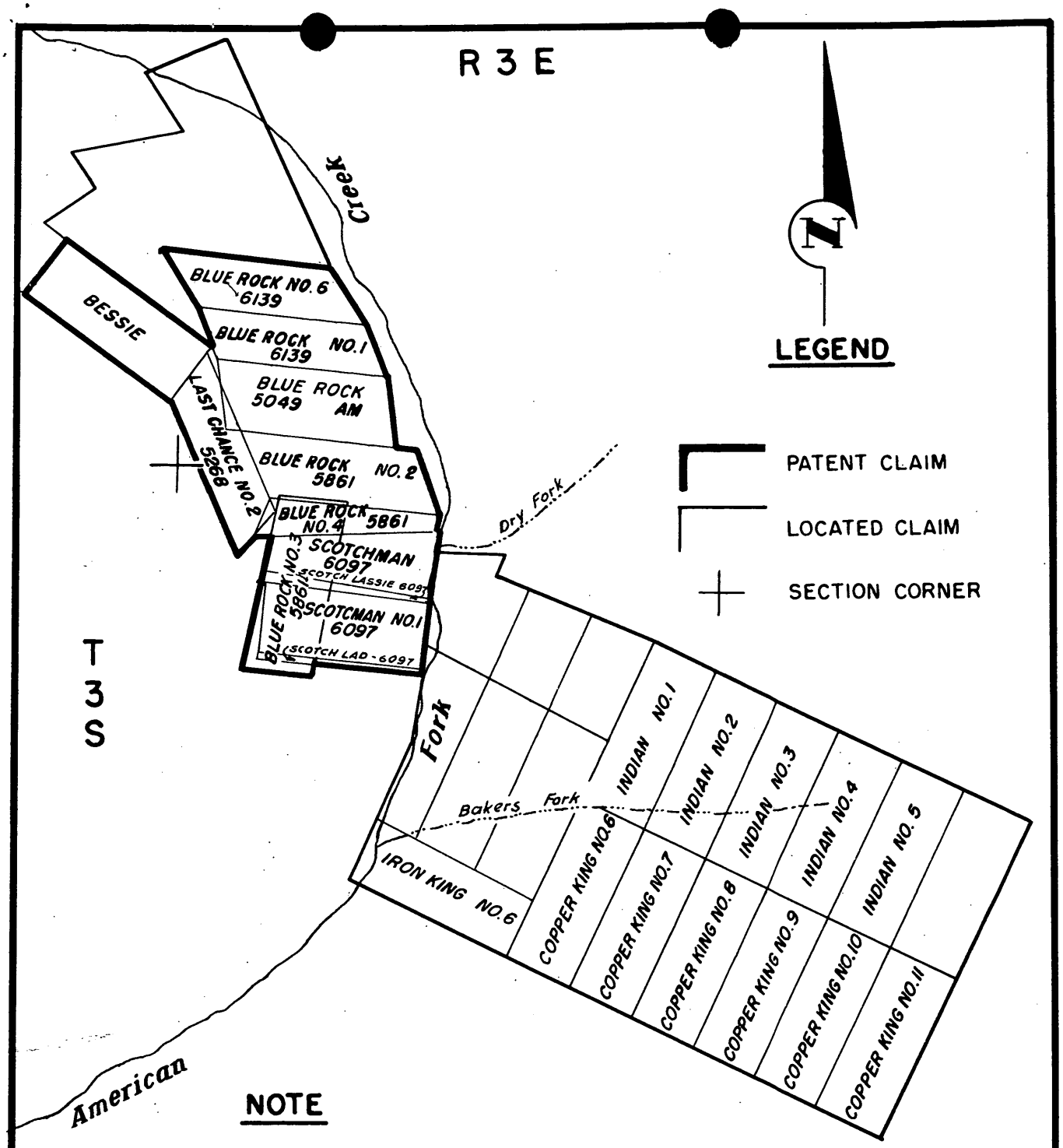
Estimated working time - 3 months on 2-shift basis

450 man shifts equivalent to	$5,625.00
3 months salary for foreman	1,500.00
	$7,125.00

Compensation, insurance, payroll taxes - $713.00

Rehabilitation and Repairs

None



NOTE

DATA TRACED FROM U.S.G.S. CLAIM MAP OF COTTONWOOD-AMERICAN FORK AREA WITH ADDITIONAL COMPILATION DRAWN FROM AMERICAN FORK MINING DISTR. MAP.

0 1000 2000 3000 4000

SCALE OF FEET

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

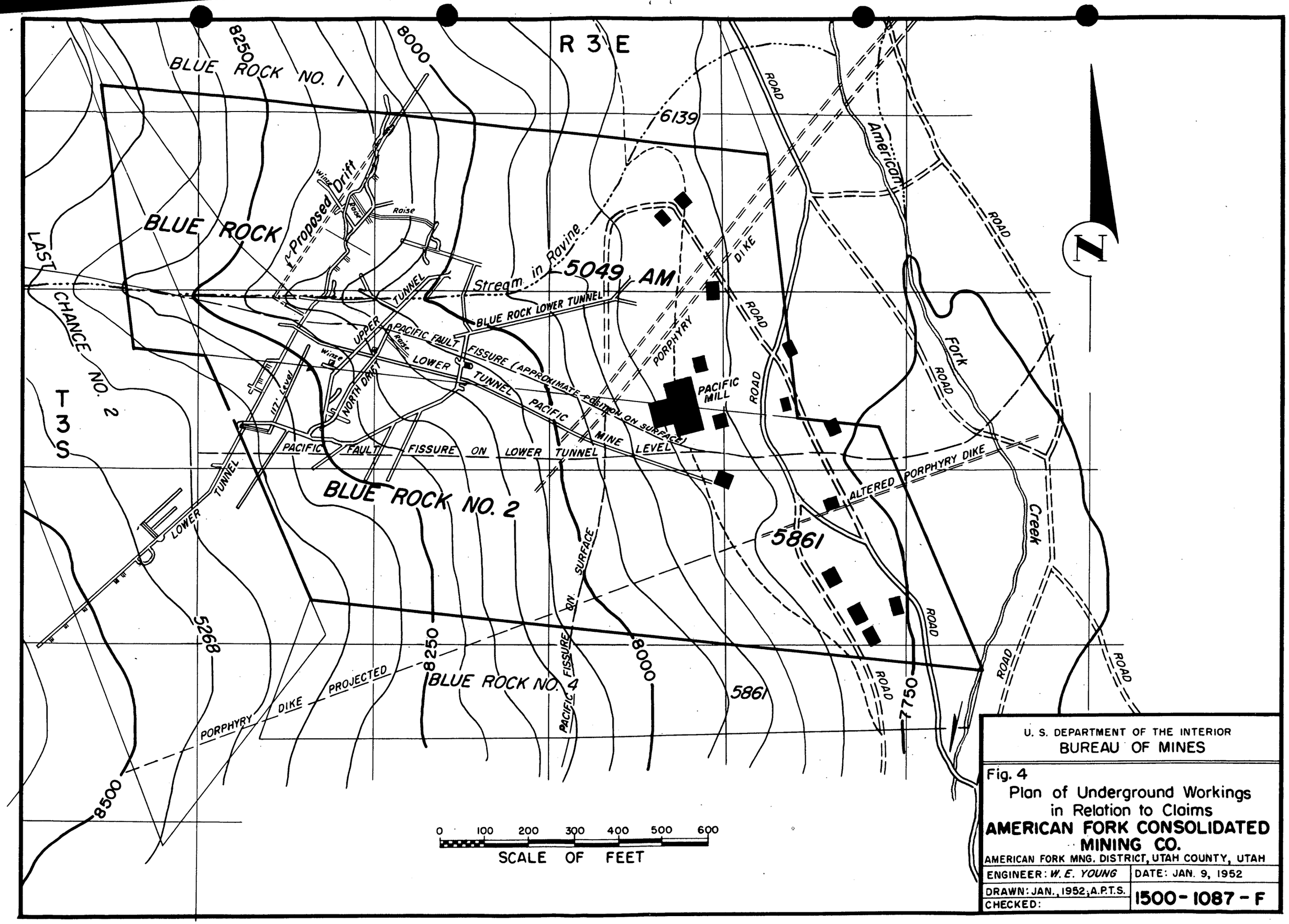
Fig. 4— Proj. No.

Claim and Property Map

AMERICAN FORK CONSOLIDATED MINING CO.

AMERICAN FORK MINING DISTRICT
UTAH COUNTY, UTAH

ENGINEER: *W. E. YOUNG*	DATE: NOV. 6, 1951
DRAWN: NOV., 1951, A.P.T.S.	1500-1080-E
CHECKED:	



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 4
Plan of Underground Workings in Relation to Claims
AMERICAN FORK CONSOLIDATED MINING CO.
AMERICAN FORK MNG. DISTRICT, UTAH COUNTY, UTAH

ENGINEER: *W. E. YOUNG*	DATE: JAN. 9, 1952
DRAWN: JAN., 1952; A.P.T.S.	1500-1087-F
CHECKED:	

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS ADMINISTRATION
NO. 927

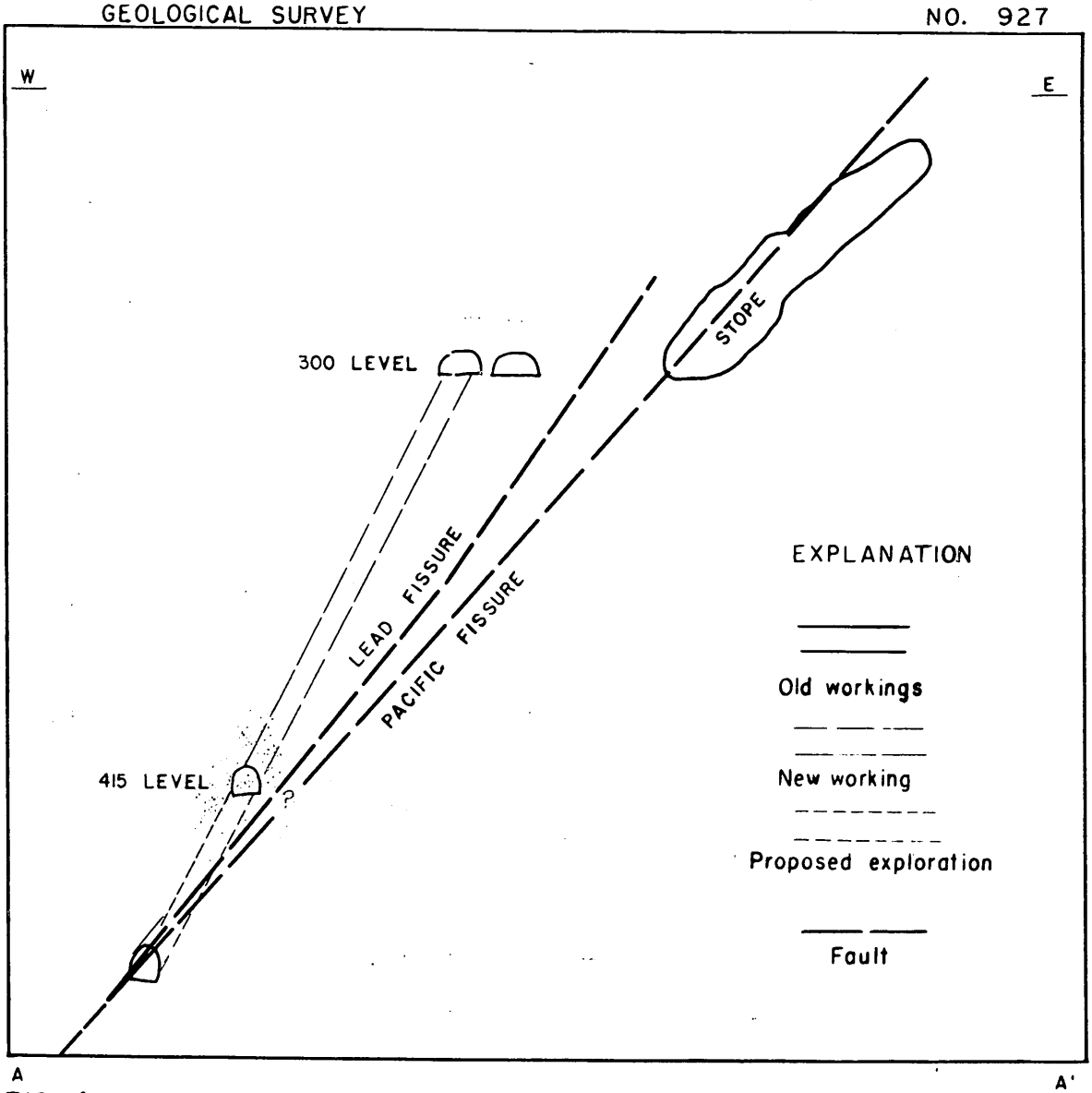


FIG. 4 SECTION SHOWING PROJECTED INTERSECTION OF PACIFIC AND LEAD FISSURES, AMERICAN FORK CONSOLIDATED MINE, UTAH COUNTY, UTAH

0 50 100 FEET
Scale

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

Budget Bureau No. 42-R1036.3.
Approval Expires [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

U. S. Bureau of Mines
RECEIVED
SEP 29 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 927 Contract No. Salt Lake City [illegible]5
Operator's Name American Tork Con. Mines Minerals Lead Zinc
Address 405 Wooly Bldg., Salt Lake City
Contract Amount, $ 16,038.00 Government Participation: 50 % Amount, $ 8,019.00

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	[illegible]	[illegible]	[illegible]			
Supervision	[illegible]	[illegible]	[illegible]			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives		[illegible]	[illegible]			
Pipe		[illegible]	[illegible]			
Track	[illegible]	[illegible]	[illegible]			
Dynamite & Caps		[illegible]	[illegible]			
Misc. Opt.	[illegible]	[illegible]	[illegible]			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	[illegible]	[illegible]	[illegible]			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	[illegible]	[illegible]	[illegible]			
Sampling and Analysis						
Payroll Taxes	[illegible]	[illegible]	[illegible]			
Liability Insurance						
(8) Contingencies (specify): Power	[illegible]	[illegible]	[illegible]			
TOTALS	[illegible]	[illegible]	[illegible] *	2331.82 -125.00	14190.92	16522.74 - 125.00
				-359.74		- 359.74
				1847.08	14190.92	16038.00

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

Date Sept 25-53 *Payee American Tork Con. Mines **
Harry J. Robertson
Per [illegible] Title Secretary

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: $ 923.52

Signature [illegible]
(Authorized Certifying Officer)

Date 5/17/54 Voucher Dma 54-124
(See other side)

* Property Liquidation
** Excess over allowable cost of project.

(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. Idm-E385 in accordance with the terms of the contract.

Signature M. W. Howes Title Mining Engineer Date Sept 30, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. KING Title Executive Officer Date MAY 14 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible] Inc.
Address [illegible]

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								
Shafts				[illegible]	[illegible]	[illegible]		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		[illegible]		[illegible]				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
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 Sept 25-53 Operator [illegible]
Per [illegible] Title [illegible]

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

[illegible]rk Sheet for August, 1953

		Totals
Schedule A - Labor		
Ed Talbot	299.70	
Dennis Downey	249.75	
Jim Downey	249.75	
Anthony Thatcher	133.20	
J. E. Burnett	283.05	
L. M. Downey	116.55	$1,332.00
Schedule B - Supervision		
L. O. Burnett	314.56	314.56
Schedule C - Track		
8/2 - 32534 Line Smelter		11.78
Schedule D		
8/10/328647 Line Smelter Co.		1.14
Schedule E Misc.		
8/24 Nebraska Electric Co.		131.00
Schedule G Depreciation		
Hoist	8.33	
Compressor	83.33	
Hoist Bucket	4.17	
2 Jack Hammers	12.50	
Power Tool	8.33	
Trailer	66.67	183.33
Schedule H Liability Insurance		
Labor	1332.00	
Supervisor	314.56	
$1,646.56 x .04853 =		79.91
Schedule I Power		
Utah Power & Light Co.		278.10

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

224 New Customhouse
Denver 2, Colorado

May 19, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-927 (Lead-Zinc), Contract No. Idm-E285, American Fork Consolidated Mines, Utah County, Utah.

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 August 1953.

Also enclosed are two copies of a memorandum to Mr. T. A. Christensen, dated May 14, 1954, relative to final payment under the terms of the subject contract.

Final payment to the Operator in the amount of $923.54 has now been made in conformance with the certificate and report of audit by the Contract Administration and Audit Division dated April 27, 1954.

W. H. King

W. H. King

Enclosures

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

Administrative Audit Difference Statement

Date: May 17, 1954
Payee's
Reference Progress Report

August, 1953 - FINAL

American Fork Consolidated Mines,
405 Dooly Bldg.,
Salt Lake City, Utah
Idm-B285

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

Amount Claimed $ 2,331.82

Difference $ 484.74

Amount Approved $ 1,847.08

The reason for the difference was due to:

Property liquidation amounts to	$125.00	
Excess over allowable cost of project	359.74	$484.74
In conformance certificate and report of audit by Contract Administration and Audit Division, dated April 27, 1954.		

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

224 New Customhouse
Denver 2, Colorado

May 14, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah - Form MF-104 Operator's Monthly Progress Report and Voucher for the month of August 1953 - FINAL PAYMENT

Enclosed are the original and four copies of Forms MF-104 and MF-104A, narrative report, and engineer's report for the above period which constitute the operater's final accounting report under the terms of the contract. Attached to each set of Form MF-104 are data relevant to the liquidation of the jointly owned property acquired under the contract.

Work has been accomplished as authorized in the contract and final payment is recommended as follows, which is in conformance with the certificate and report of audit by the Contract Administration and Audit Division dated April 27, 1954, which was released to this office May 13, 1954:

Basis for Final Payment

Total accepted cost (as per audit)	$16,038.00
Government participation at 50%	8,019.00
Total prior payments	7,095.46
Balance due the operator	$ 923.54

Reconciliation with operator's final claim for month of August 1953

Gross amount of claim		$ 2,331.82
Deductions		
Property Liquidation	$125.00	
Excess over allowable cost of the project	359.74	
Total deductions		$ 484.74
Balance		$ 1,847.08
Government participation at 50%		923.54
Balance due the operator		$ 923.54

JWT:jp
cc Contract
Chron

Sec. Op. Comm. (2)
SRWilson
JWTownsend

Enclosures

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

224 New Customhouse
Denver 2, Colorado

April 26, 1954

Mr. Wells J. Robertson, Secretary
American Park Consolidated Mines
405 Deely Building
Salt Lake City, Utah

Re: Docket DMEA 927 (Lead-Zinc)
Contract Idm-E285

Dear Mr. Robertson:

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 March 15, 1954 in the amount of $125.00 in the liquidation of property and the unexpended materials and supplies acquired under Contract Idm-E285.

The sum of $125.00 reflecting both yours and the Government's interest in the property settlement will be deducted from the gross amount of claims by you held pending in this office for reimbursement under the terms of the contract thereby automatically making a deduction in the amount of $62.50 due the Government.

Very truly yours,

W H King

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

JWT:jp
cc Contract
Amdt.
Chron.
SRWilson
AHKoschmann
THBrading
JWTownsend
MF-104 (5)

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 East First South Street
Salt Lake City 1, Utah

April 15, 1954

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 927 (Lead-zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah

Enclosed are copies of three bids received by the subject operator pertaining to disposal of jointly owned supplies and equipment purchased under the contract. Copies of a memorandum prepared by M. H. Howes are included.

The total purchase price for the listed items is $448.80. The highest bid among the attached three bids is $125. This bid was submitted by the American Fork Consolidated Mine. In view of the difficulty in salvaging the items and the relatively poor condition of the listed material, it is recommended that the bid made by American Fork Consolidated Mines be accepted.

/s/ Stephen R. Wilson

Stephen R. Wilson

Enclosure

COPY

April 15, 1954

S. R. Wilson

M. H. Howes

Docket No. DMEA-927 (Lead-zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah. Memorandum report of recommendation for disposition of material and equipment in which the Government has an equity.

The following material and equipment purchased for the exploratory project remains at the property at the termination of the project and is considered to have a salvage value, of which the Government's share is 50 percent:

90 feet, 1-inch air hose
150 feet, ½-inch water hose
60 feet, 3-inch galvanized pipe
Miscellaneous pipe fittings
Miscellaneous drill steel and bits
1 electric float switch
225 feet, 3-conductor, rubber-covered, 600-volt electric cable

Bids on the above material and equipment have been received by the American Fork Consolidated Mines from Rare Metals Mining Co. in the amount of $90.00 and from Shields Sales Company in the amount of $85.00. The American Fork Consolidated Mines submits a bid of $125.00 for the same items.

It is recommended that the latter bid, by American Fork Consolidated Mines, be accepted.

/s/ M. H. Howes

M. H. Howes

Hoody Building
Salt Lake City, Utah

Dear Sirs:

This will confirm and renew our original offer for material in Alexander Fork Canyon, of a mine property in Alexander Fork Canyon, of a year ago. At the weather conditions & feel we should offer it, I would like time for the following equipment:

150' - 1" Water Hose
1 - Float Switch
60' - Galv. 3" used pipe
90' - 1" Air Hose
225' - 3 cond. Rubber covered Electric Cable
1 Small Lot Misc. Couplings & Unions etc.

Please advise me if you are interested in the above offer and if accepted I would like 60 days in which to recover the material as I would not attempt to remove this material till the snow is out of the canyon.

Thank you
Robert W. Shields

UNITED SAFE DEPOSIT COMPANY
96 W. 3rd South
Salt Lake City, Utah

Mar. 30/54

American Fork Consolidated Mine
405 Dooly Bldg, Salt Lake City, Utah.

Dear Sirs:

We have investigated your second hand mine material for sale and we feel for the following items available such as:

150' 1/2" water pipe
1 7 foot switch
60' of 3" used pipe
90' of 1" air hose
225/- 3 conductor rubber covered 600 V electric cable — we could offer a bid of $90.00 where we are responsible to recover these items from the mine.

Yours very truly
Rare Metals Mining Co,
Box 1774
Salt Lake City Utah.
E. Moody

Defense Mineral Exploration Administration
Department

Gentlemen

We submit the following bid for material - which was purchased to carry forward the program of exploration.

150' 1/2 water hose
1 float switch
60' g.3. used pipe
90' - 1" air hose
225' - #3 conductor rubber covered 600 electric cable

also some miscellaneous items of used and new Coupling - unions - Bits - steel and other small items - purchased - of which there would not be much value after labors attached and expenses in recovering same.

Our estimate value left in these items to us - would be $125.00

American Fork Con. Mines
Hello J Robinson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

October 23, 1953

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-927 (Lead-zinc), Contract Idm-8285, American Fork Consolidated Mines, Utah County, Utah. MF-104 forms for August 1953

The attached copies of MF-104 forms list expenditures made during August 1953 in performance of work allowed by the subject contract. An inspection of the project was made by M. H. Howes September 14, 1953, and progress reported verified by measurement.

Advance during the month totaled 20 feet of drifting. Considerable difficulty was encountered as a result of caving conditions in the fissure zone.

The contract and amendments thereto permit a total of 58 feet of winze sinking and 400 feet of drifting at a total cost of $16,038. The operator experienced difficult ground conditions during the life of the project, and the costs were far higher than originally estimated. The funds were exhausted during August 1953, and were actually exceeded in reporting the work accomplished during the month.

The present forms are to be considered the final forms to be submitted by the operator. The operator's final report has not been received to date.

It is recommended that reimbursement to the contractor be made as shown in the inspecting engineer's report, subject to receipt of an acceptable final report from the operator, settlement of Government equity in supplies and equipment on the property, and final audit.

The MF-104 forms were received from the operator September 29, 1953. Delay in transmitting the forms to Denver resulted from the work load of the inspecting engineer, a three-day absence of the Branch Chief from the office, and the necessity of correcting errors on the MF-104 forms. The latter caused a delay of 10 days

No mineralization of significance was encountered in the project work. Five samples listed in the inspecting engineer's report are indicative of the low-grade mineralization. The operator is continuing exploration with company funds. Additional DMEA funds have not been requested.

An inventory of equipment and supplies on the property discloses that the Government has equity in small equipment, hose, electric cable, drill steel, and pipe. The operator has been advised concerning the procedure for disposal of the inventory for the joint account of the Government and the contractor.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson Oct. 6, 1953

M. E. Rowe

Docket No. [illegible]-927 (Lead-zinc), Contract Idm-[illegible], American Fork Consolidated Mines, Utah County, Utah. Progress report for August 1953

The American Fork Consolidated Mines property was inspected on September 14, 1953. It is verified that 20 feet of progress in the drift for August, as reported on form MF-104A, is correct, and that the work was performed in accordance with the contract.

The drift was advanced 16 feet on the northeast side of the winze and 4 feet on the southwest side. Drift to the southwest was driven for slusher installation for mucking the drift to the northeast. The fissure has averaged less than 2 feet in thickness and is composed of a sticky gouge impregnated with fine pyrite. Considerable water seepage occurred along the fissure and in the shattered quartzite hanging wall. A water course was encountered in the northeast face, causing a cave-in which necessitated installation of breast boards. During the latter part of August the drift was temporarily abandoned because of the caving condition of the rock.. The winze was bulkheaded 10 feet above the bottom, and an incline started through the hanging wall to intercept a strand of the fissure believed to be parallel to and 20 or 30 feet northwest of the present fissure.

A flash flood, occurring late in July, washed out 6 miles of road below the mine and caused a delay of a week in project operation. Pump failure caused another delay of a week, later in August.

The following are analyses of samples taken from the project:

Sample No.	Ag	Pb	Zn
A.F. 1	<0.1	0.1	<0.1
A.F. 2	0.2	<0.1	0.7
A.F. 3	0.1	0.2	0.2
A.F. 4	0.1	<0.1	0.7
A.F. 5	0.3	0.3	0.7

A.F. 1 was a sample of fissure material from a cave 5 feet above the northeast drift, 10 feet from the winze. A.F. 2 was a sample of a 4-inch cut of the fissure in the drift, 12 feet from the winze. A.F. 3 was a sample of a 4-foot cut in the face of the southwest drift, 4 feet from the winze. A.F. 4 was a sample of a 14-inch cut across across the fissure on the southwest side of the winze, 10 feet from the bottom. A.F. 5 was a sample of a 3-foot cut of the fissure in the bottom of the winze.

The accounts were checked, and it is verified that all charges for services and supplies were necessary and that they do not appear to be excessive. All charges reported on form MF-104 are supported by the necessary documentation, and the operator's narrative report is considered to be adequate.

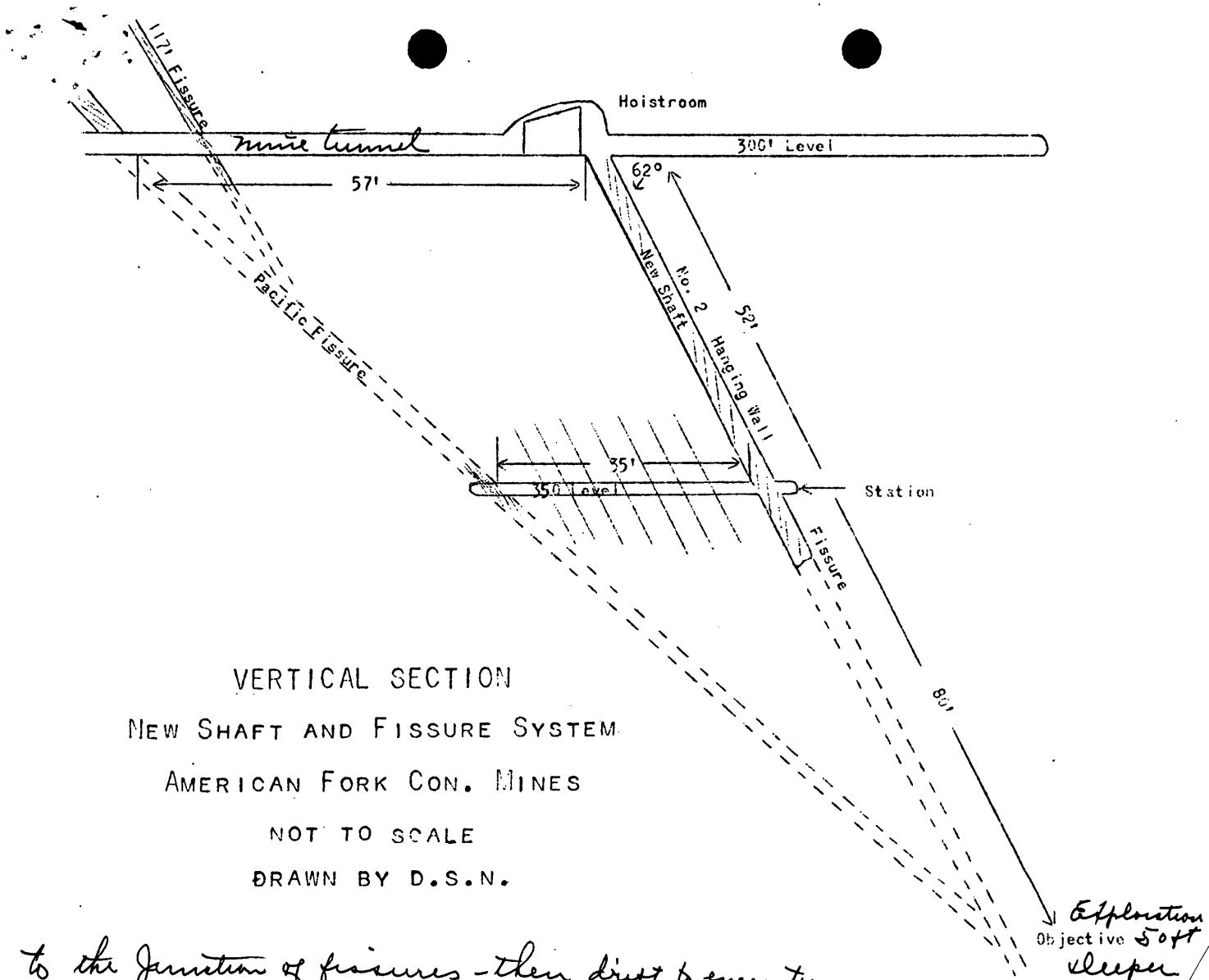
The allowable funds for the project, as set up in the contract, are $16,038. This amount was exceeded during the drifting operation in August, by $484.74, which should be disallowed in final settlement of the contract. Although only 24 feet of the proposed 400 feet of drifting has been accomplished, it is recommended that the contract be considered completed and that no more funds be allotted to the project, because of the poor mineral showings to date and because of the very slim possibilities of finding better mineralization in future workings in this area.

Payment of $923.54, which is 50 percent of the allowable cost of $1,847.08 for August (form MF-104 total cost of $2,331.82 less $484.74 in excess of contract), should be withheld until the project accounts are audited and the final report is received.

M. H. Howe

M. H. Howe

[illegible]



VERTICAL SECTION

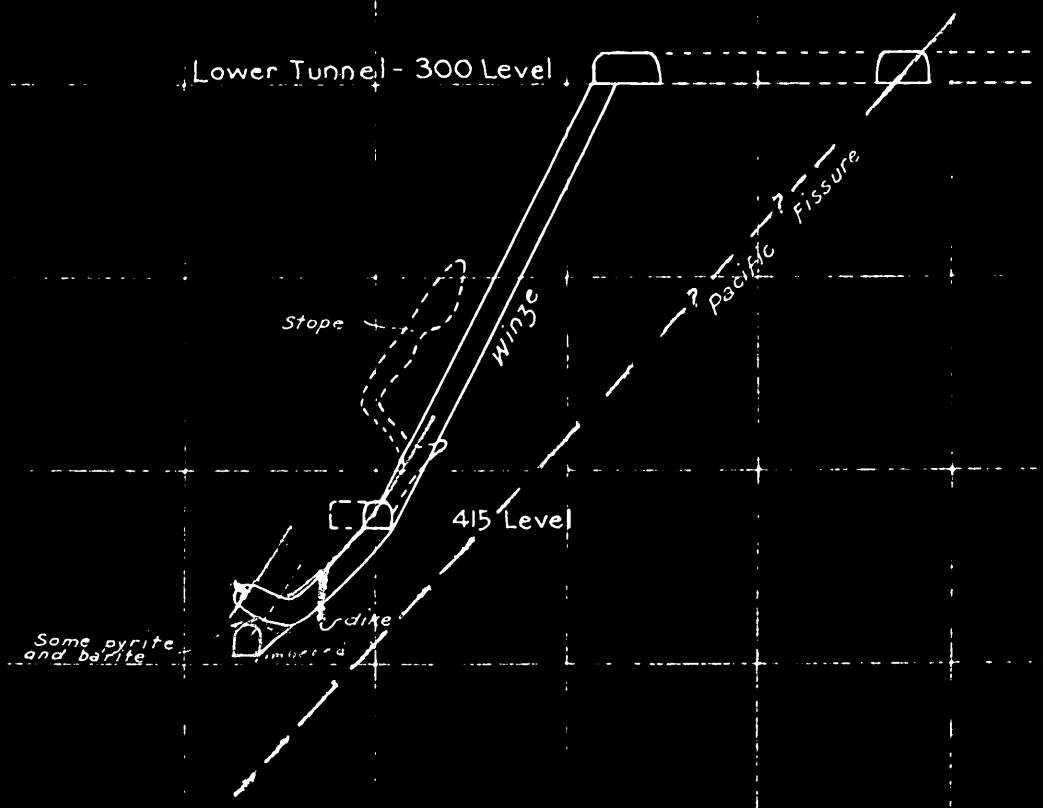
NEW SHAFT AND FISSURE SYSTEM

AMERICAN FORK CON. MINES

NOT TO SCALE

DRAWN BY D.S.N.

to the Junction of fissures - then drift to encounter or shoots - or



Section A-A
PACIFIC MINE
American Fork District
Utah County, Utah

Scale: 1" = 50' Sept. 1953

[illegible] City, Utah
[illegible] 1952

[illegible]

[illegible]

[illegible] information [illegible] completed; there- [illegible]

8 [illegible]

[illegible]

[illegible] 11,7[illegible].02, [illegible] Report 127 of [illegible]

[illegible] 16,5[illegible].74. The [illegible] I have [illegible] balance due us, for [illegible] closed the [illegible] loan unless [illegible]

[illegible]

Yours very truly,

by [signature]
[illegible] J. Robertson, Co.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-55.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

U. S. Department of the Interior
RECEIVED
AUG 10 1953
Salt Lake City, Utah

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 927 Contract No. ~~[illegible]~~ 285

Operator's Name American Fork Consolidated Mines Minerals Lead-Zinc

Address 405 Dooly Bldg., Salt Lake City

Contract Amount, $ 16030.06 Government Participation: 50 % Amount, $ 8,019.00

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 Sched A	2164.50	5942.54	8107.00			
Supervision " B	500.00	1533.32	2033.32			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Sched C	430.11	144.06	574.17			
Explosives " D	63.09	287.65	350.74			
Pipe " J	3.83	125.83	129.66			
Track " E	20.69	9.71	30.40			
Duel Steel & Bits		50.89	50.89			
Mis.-Sch. F	32.42	648.90	681.32			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation Sch G	183.33	349.88	533.21			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		114.83	114.83			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance Sch H	128.90	336.91	465.81			
(8) Contingencies (specify):						
Power Sch I	287.55	831.88	1119.43			
TOTALS	3814.42	10376.50	14190.92	3814.42	10,376.50	14,190.92

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

Date Aug 5-53 *Payee American Fork Con. Mines

Per [signature] Title Secretary

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

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

(Instructions on reverse)

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

$ 1907.21

Signature [signature]
(Authorized Certifying Officer)

Date 9/2/53 Vou. No. DMA 54-24

(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. Idm-E 285 in accordance with the terms of the contract.

Signature M. H. Howe Jr. Title Mining Engineer Date Aug 24, 1953

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

Signature W. H. King Title Executive Officer Date AUG 28 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

Month of July 1953 Docket No. DMEA Contract No. 16-[illegible]285

Operator's Name American Fork Consolidated Mines Minerals Lead-Zinc

Address 405 Deely Bldg., Salt Lake City

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	1 ft.	282.54	4	282.54	4	70.63		
Crosscutting								
Raising Winzes		2,531.88	8	13,908.38	58	239.80		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		3,814.42		14,190.92				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		3,814.42		14,190.92				16,038.06

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. 5 Operator American Fork Con. Mine

Per Stello J. Robertson Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Report July 1953

Advance in shaft 8 feet sunk to the 500-foot level.

Six days delay spiling shaft 20 feet back, account of water course cave in. Had to double up all sets and lagging. Forty-two cars of extra muck to handle.

In face of drift on 500-foot level.

Have about 4-foot vein of iron sulphides showing in north end and 3 feet in south end. Gained approximately 30 gallons of water per minute through new water course.

Advance 4 feet in drift.

L. O. Burnett

[redacted]

AMERICAN FORK CONSOLIDATED MINES   Month of July, 1955

Schedule A - Labor

[illegible] $2161.90

Schedule B - Supervision

L. O. Howard 300.00 300.00

Schedule C - Lumber

7/31/55 [illegible] - [illegible] 130.11 130.11

Schedule D - Supplies

[illegible] 63.09

Schedule E - Power

[illegible] 30.09

Schedule F - [illegible]

[illegible] 32.46

Schedule of Depreciation

[illegible] 103.39

Schedule H Liability Insurance

Insurance [illegible] 128.00

Schedule I - Power

Utah Power & Light 237.55

Schedule J - Fire

7/29 [illegible] 3.21

TOTAL $3911.13

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

224 New Customhouse
Denver 2, Colorado

August 28, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah. Operator's Monthly Progress Report for the period July 1953.

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

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

The high costs of work performed to date are considered allowable based on statements in a letter from Wells J. Robertson regarding unusual difficulties encountered on the project, a copy of which is enclosed.

Date of Report	August 5, 1953.
Date Received in Field Office	August 10, 1953.
Date Received in Region Office	August 28, 1953.

Delay in Field Office due to heavy work load of inspecting engineer and absence of S. R. Wilson from Salt Lake Office.

W. H. King
W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

August 26, 1953

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-987 (Lead-Zinc), Contract Ide-8285, American Peak Consolidated Mines, Utah County, Utah. MF-104 forms for July 1953

Transmitted herewith are the necessary copies of MF-104 forms listing expenditures under the subject contract during July 1953. Progress reported was verified by A. H. Reese during inspection August 11, 1953.

Work performed during the month consisted of 8 feet of winze sinking and 4 feet of drifting from the bottom of the winze. Costs continued to be exceedingly high, as was the case during the previous three months. Mineralization in the fissure shows heavy pyrite with sporadic galena and sphalerite.

All work is in conformance with the contract, and it is recommended that the operator be reimbursed in the manner shown in the inspecting engineer's report. It is probable that the remaining contract funds will be expended during August 1953. Approximately $2,000 remains as of July 31, 1953.

The MF-104 forms were received from the operator August 10, 1953. A delay of two days in transmitting the forms to Denver resulted from absence of S. R. Wilson from the Salt Lake office. An additional delay of two days was occasioned by the work load of the inspecting engineer.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

S. R. Wilson August 26, 1953

M. H. Bowes

Docket No. DMA-527 (Lead-Zinc), Contract IDa-2265, American Fork Consolidated Mines, Utah County, Utah. Progress report for July 1953

The American Fork Consolidated Mines property was inspected on August 11, 1953. It is verified that 8 feet of progress in the winze and 4 feet of progress in the drift for July, as reported on Form 10-1014, is correct, and that the work was performed in accordance with the contract.

The water source encountered on the hanging wall side of the winze caused the necessity of using spiling and reinforcing the timber in this area. In the last 10 feet of winze, the fissure has widened from 14 inches to an average of about 3 feet. It carries heavy iron sulphides, with a sprinkling of fine galena and sphalerite. The footwall is a dense, pink quartzite, and the hanging wall is a loose, shattered, gray quartzite.

The accounts were checked, and it is verified that all charges for services and supplies were necessary and that they do not appear to be excessive. All charges reported on Form 10-104 are supported by the necessary documentation, and the operator's report is considered to be adequate.

Payment is approved for $1,907.31, which is 50 percent of the claimed $3,814.62.

M. H. Bowes

M. H. Bowes

Salt Lake City, Utah
August 17, 1953

Mr. W. H. King
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 927
Contract No. Idm-2285

Dear Sir:

An explanation of the cost for the month of July:

As we reached our objective of the shaft 200 feet, a station had to be cut to permit workable place--a sump hole for the drainage of water to a center so as to place pumps--a drift to the south 80 feet to make room for the slusher. We also had a slipping of material which encountered four sets of spiling to hold. When this is added to the cost of shaft, our footage cost is understandable, and is within reason.

The formation shows strong evidence of mineralization which is very encouraging. We trust that with this explanation, the July payment will come forward.

Yours truly,

Wells J. Robertson

Wells J. Robertson

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

RECEIVED JUL 30 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 1953 Docket No. DMEA 927 Contract No. Ion-8285 Salt Lake City, Utah

Operator's Name American Fork Consolidated Mines Minerals Lead-Zinc

Address 405 Dooly Bldg., Salt Lake City, Utah

Contract Amount, $ 16,038.00 Government Participation: ____ % Amount, $ 8,019.00

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: Sch. A	2,164.50	3778.04	5,942.54			
Labor " B	500.00	1033.32	1,533.32			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		144.06	144.06			
Explosives Sch. C	119.85	167.80	287.65			
Pipe		125.83	125.83			
Track		9.71	9.71			
Drill Steel & Bits		50.89	50.89			
Misc. Sch. D	80.94	567.96	648.90			
(4) Operating Equipment:						
Rental						
Purchase Sch. E	116.66	233.22	349.88			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:		114.83	114.83			
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes Sch. F	129.30	207.61	336.91			
Liability Insurance						
(8) Contingencies (specify): Power, Sch. G	281.63	550.25	831.88			
TOTALS	3,392.88	6,983.62	10,376.50	3,392.88	6,983.62	10,376.50

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

Date June 30, 1953 *Payee American Fork Con. Mines

Per Stella J. Robertson Title Sec.-Treas.

*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:

$ 1696.44

Signature (Authorized Certifying Officer)

Date 8/19/53 Vou. No. DMA 54-18

(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. Tdm-E085 in accordance with the terms of the contract.

Signature M. A. Thomas ARW Title Mining Engineer Date 7/30/53

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

Signature W. H. King Title Executive Officer Date AUG 19 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

Month of June 195 3 Docket No. DMEA 927 Contract No. 16-2285
Operator's Name American Fork Consolidated Mines Minerals Lead-Zinc
Address 405 Deely Bldg., Salt Lake City, Utah

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	1 ft	3,392.88	10	10,376.50	50	207.53	50	
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,392.88		10,376.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,392.88		10,376.50				16,038.00

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

Date June 30, 1953 Operator American Fork Con. Mines

Per Stello J. Robertson Title Sec-Treas.

REMARKS: Started to cut station - encountered a water fissure - decided to go 2 rounds deeper.

→ 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

AMERICAN FORK CONSOLIDATED MINES

Schedule A - Payroll for June 1953

Labor - By Agreement with the Employees the Rate including Overtime is $16.65 per day.

Employees	Time	Rate	Amount
J. T. Burnett	26	$16.65	$432.90
Dennie T. Downy	26	16.65	432.90
Cyrus H. Tolman	6	16.65	99.90
James Talbott	26	16.65	432.90
Jim D. Downing	26	16.65	432.90
Anthony L. Hatcher	20	16.65	333.00
			2164.50

Schedule B - Supervision

L. O. Burnett : $500.00 per month — 500.00

Total $ 2664.50

Schedule C - Explosives

Columbia Power Co. 02827 — 119.85

Schedule D - Miscellaneous

Utah Bit & Steel Service	(02453)	25.89
Mine & Smelter Supply Co	(319360)	3.57
Continental Oil Co.	(464166)	9.19
The Town Supply Co.	(1533)	2.20
" " " "	(1512)	8.75
~~Goodall Rubber Co.~~	~~(13163)~~	~~11.22~~
Ingersoll Rand Co.	(BI-40-9481)	4.90
Western Powder Co.	(2889)	6.50
" " "	(7330)	7.24
The Garlock Packing Co.	(535264)	5.46
Western Powder Co.	(7544)	7.24
		$ ~~92.16~~ 80.94

Schedule E - Depreciation

Depreciation on Compressor	83.33
" " Hoist	8.33
" " Hoisting Bucket	4.17
" " 2 Jack Hammers	12.50
" " Power Saw	8.33
Total	116.66

Schedule F - Liability Insurance

Labor $2164.50
L.O.Burnett 500.00
2664.50 x .04853 — $129.30

Schedule G - Power

Utah Power and Light — $281.63

Salt Lake City, Utah
July 7, 1953

Mr. Stephen R. Wilson
Utah Mining Division
Bureau of Mines
Salt Lake City, Utah

Dear Sir:

Foreman of mine reports that formation of rock in winz about the same and with a lime wedge appearing --- fissure flattening out more.

Due to a small water fissure encountered - the foreman thinks it advisable to put two more rounds deeper - so as to have solider formation before cutting station.

All indications are very favorable.

Very truly yours,

[illegible]

By Wells J. Robertson
Secretary

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

224 New Customhouse
Denver 2, Colorado

August 19, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah. Operator's Monthly Progress Report for the period June 1953.

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

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

Attached to each copy of Form MF-104 is a supplementary report from the Operator explaining the high cost of shaft sinking on the property. Based on this letter we consider the charges to be allowable as submitted.

Remarks:

Date of Report	July 30, 1953.
Date Received in Field Office	July 30, 1953.
Date Received in Region Office	August 3, 1953.
Date Checked in Region Office	August 19, 1953.

Original reports submitted had to be returned to the Operator for corrections.

W. H. King
W. H. King

Enclosures

RDB:cwm

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

Salt Lake City, Utah
August 17, 1953

Mr. W. H. King
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 927
Contract No. Idm-2285

Dear Sir:

The work this month of June was still high because water continued to seep into the shaft, and the timbering and lagging had to be reinforced.

The contract called for a working crew of 6 men and a foreman.

These are necessary to carry the development work. We have to keep a hoistman at his post while men were in shaft raising or lowering material.

The trammer men were needed to keep material removed.

The ground man was necessary because of the installation, and he was subject to call at any time. He is responsible to keep pump going at night so everything was in readiness for shift to start on time.

The supervision or foreman is not a stationary man, but is working where need to keep everything operating--ordering supplies, and watching all operation.

The footage and cost were high this month, but under condition no greater footage could be made.

With this explanation, we trust that the June money will be released which is needed to assist us to complete the exploration program.

Very truly yours,
Wells J. Robertson
Wells J. Robertson, Sec.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

July 31, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-927, Contract Idm-X285, American Fork Consolidated Mines, Utah County, Utah. MF-104 forms for June 1953

Attached herewith are the required copies of MF-104 forms which include expenditures under the above contract for June 1953. The property was inspected by M. H. Howes July 3, 1953, and a narrative of progress prepared.

The operator has revised the MF-104 forms and it is believed they now are in proper order for payment. The original of the transmittal letter and a copy of the engineer's progress report, as originally mailed to your office, are enclosed.

The cost of sinking the winze is extremely high, in part because of water in the winze, crushed ground, and mechanical difficulties. The costs as estimated in the contract are far too low for completion of the 50 feet of winze sinking and 400 feet of drifting.

No minable ore has been found to date in sinking the winze. Sulfide mineralization in the Pacific fissure is persistent, and may develop into small ore shoots in drifting from the winze.

It is recommended that the operator be repaid in the manner outlined in the inspecting engineer's report.

The present MF-104 forms were received from the operator July 30, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson

July 31, 1953

M. H. Howes

DMEA-927, Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah. Progress report for June 1953

The American Fork Consolidated Mines property was inspected on July 3, 1953. It is verified that 10 feet of progress in the winze for June, as reported on form MF-104A, is correct, and that the work was performed in accordance with the contract.

Sulphide mineralization continues to be fairly strong along the Pacific fissure in the bottom of the winze. The winze has reached the depth where drifting will be done to the northeast. A strong water course fissure, striking about N. 45° W., was encountered on the hanging wall side and near the bottom of the winze. The rock is considerably shattered and has sloughed badly. It has been necessary to use a large amount of cribbing along with regular timber to catch this loose area. However, the job has been well done and a level station will be cut preparatory to the start of the drifting.

The accounts were checked, and it is verified that all charges for services and supplies were necessary and that they do not appear to be excessive. All charges reported on form MF-104 are supported by the necessary documentation, and the operator's narrative report is considered to be adequate.

Payment is recommended for $1,696.44, which is 50 percent of the claimed $3,392.88.

M. H. Howes

M. H. Howes

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

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

RECEIVED
JUL 30 1953

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

Month of May, 1953 Docket No. DMEA 927 Contract No. Ida-2285

Operator's Name American Fork Consolidated Mines Minerals Lead-zinc

Address 405 Dooly Bldg., Salt Lake City, Utah

Contract Amount, $ 16,038.00 Government Participation: 50% Amount, $ 8,019.00

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 Sched. A	2,081.24	1,696.80	3,778.04			
Supervision " B	500.00	533.32	1,033.32			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	—	144.06	144.06			
Explosives Sched. C	126.23	41.57	167.80			
Pipe	—	125.83	125.83			
Track	—	9.71	9.71			
Drill Steel & Bits	—	50.89	50.89			
Other, Sched. D	214.09	353.87	567.96			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation Sched. E	116.66	116.66	233.32			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous: Sched. F						
Repairs to Equipment	33.73	81.10	114.83			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance Sched. G	125.26	82.35	207.61			
(8) Contingencies (specify):						
Power, Sched. H	285.17	265.08	550.25			
TOTALS	3,482.38	3,501.24	6,983.62	3,482.38	3,501.24	6,983.62

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

Date 7/30/53 *Payee American Fork Con. Mine

Per Wales J. Robertson Title Sec.

*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:

$ 1741.19

Signature [illegible]
(Authorized Certifying Officer)

Date 8/19/53 Voucher No. DMA 54-18

(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. Idm-E285 in accordance with the terms of the contract.

Signature M. H. Lowes AKW Title Mining Engineer Date 7/30/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: L. N. B.

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 927 Contract No. Idm-2285
Operator's Name American Fork Consolidated Mines Minerals Lead-zinc
Address 405 Dooly Bldg., Salt Lake City, Utah

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	1 ft.	3,482.38	15	6,983.62	40	174.59	50	
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,482.38		6,983.62				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,482.38		6,983.62				16,038.00

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

Date 7/30/53 Operator American Fork Con Mine

Per Stella Robertson Title Sec.

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

AMERICAN FORK CONSOLIDATED MINES

Schedule A - Labor

J. T. Burnett	$416.25
Cyrus N. Tolman	416.25
Densil Greenhalgh	208.12
Dennis Downey	416.25
James Talbot	416.25
Jim D. Downey	208.12
Total	$2,081.24

Schedule B - Supervision

L. O. Burnett	$500.00

Schedule C - Explosives

Western Powder Co. (Inv. 2569)	$126.23

Schedule D - Other

Western Powder Co. (Inv. 2524)	$ 0.35
Whitmore Oxygen Co. (Inv. 81193)	18.87
Salt Lake Hdwe. Co. (Inv. 128091)	2.03
Salt Lake Hdwe. Co. (Inv. 129974)	1.65
Motor Mercantile (Inv. 5-19-9)	15.78
Std. Oil Co. of Calif. (Inv. U101454)	1.93
Westinghouse Elec. Supply Co. (Inv. 4-9643)	1.35
Roger Pierce Equip. Sales Co. (Inv. 1588)	172.13
Total	$214.09

Schedule E - Depreciation

Depreciation on compressor	$ 83.33
" " hoist	8.33
" " hoisting bucket	4.17
" " 2 Jackhammers	12.50
" " power saw	8.33
Total	$116.66

AMERICAN FORK CONSOLIDATED MINES

Schedule F - Repairs to Equipment

Lindquist Boiler Co. (Inv. 3170)	$ 4.00
R.B.R. Mach. & Elec. Co. (Inv. 04024)	3.25
McGee & Hogan Mach. Works (Inv. A5027)	26.48
Total	$ 33.73

Schedule G - Liability Insurance

Labor	$2,081.24			
Supervision	500.00			
	$2,581.24	x	.04853 =	$ 125.26

Schedule H - Power

Utah Power & Light Co.	$ 285.17

June 10, 1953

Mr. Stephen R. Wilson,
Utah Mining Division,
Bureau of Mines,
Salt Lake City, Utah.

Dear Sir:

Our mine foreman reports that the formation of rock found in the last fifteen feet of shaft to be sulfide lime, shale and quartzite oxides.

He further reports that the water seepage in the mine has increased due to the spring melting of snow on the surface; that due to a heavy wind in the Canyon trees were blown down and the power line broken, thus stopping work for 36 hours.

The bedding is flattening and then taking a 45° angle dip, but better showings of ore are being encountered.

Very truly yours,

AMERICAN FORK CONSOLIDATED MINES

By Steven J. Robertson
Secretary

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

224 New Customhouse
Denver 2, Colorado

August 19, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah. Operator's Monthly Progress Report for the period May 1953.

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

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

Attached to each copy of Form MF-104 is a supplementary report from the Operator explaining the high cost of shaft sinking on the property. Based on this letter we consider the charges to be allowable as submitted.

Remarks:

Date of Report	July 30, 1953.
Date Received in Field Office	July 30, 1953.
Date Received in Region Office	August 3, 1953.
Date Checked in Region Office	August 19, 1953.

Original reports submitted had to be returned to the Operator for corrections.

W. H. King
W. H. King

Enclosures

RDB:cwm

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

Salt Lake City, Utah
August 17, 1953

Mr. W. H. King
224 New Customhouse
Denver, Colorado

Re: Docket No. 987
Contract No. Idm-H285

Dear Sir:

To make more clear the reasons for the higher cost of sinking during the month of May--and that greater footage was not made.

The sudden change of weather conditions turning out hot--cause high water--which took out part of road in canyon and slowed up the delivery of supplies.

This condition also caused greater seepage of water in the shaft. It being an incline shaft the hanging wall--the increase water some slipping of material--thus greater timbering was necessary to hold formation.

The pumping was greater to kept water out of shaft--for these reasons footage was not made--which was expected.

The work was satisfactory and things were pushed as fast as possible.

I hope with this explanation that the May check will be released for reimbursement to us.

Yours Truly,

Wells J. Robertson

Wells J. Robertson, Sec.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

July 31, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-927, Contract Idm-H285, American Fork Consolidated Mines, Utah County, Utah. MF-104 forms for May 1953

Attached herewith are the required copies of MF-104 forms which include expenditures under the above contract for May 1953. The property was inspected by M. H. Hesse June 4, 1953, and a narrative of progress prepared.

Winze sinking under the contract continues to be slow. Fifteen feet of advance was made during the month, giving a total of 40 feet since the project was started. Mechanical difficulties and road conditions have been instrumental in retarding progress.

The operator was requested to prepare the MF-104 forms to conform with suggestions made in your memorandum of June 9, 1953. The forms were originally received from the operator June 12, 1953, but returned because of inadequacies. The present forms were received from the contractor July 30, 1953. It is believed the forms now coincide with requirements listed in your memoranda of July 9 and July 21, 1953.

The operator has an agreement with the employees to pay them $16.65 per day, which includes any overtime that may be required. Payroll liability insurance calculation is shown at the bottom of the payroll sheet. Six copies of a form showing the rate of liability insurance, as charged by the State, are enclosed.

Operating equipment items that have been included under allowable depreciation during the month are listed under Schedule E.

No minable ore has been found to date. Sporadic mineralization occurs in the fissure upon which the winze is being sunk.

The original of the transmittal letter dated July 6, 1953, and a copy of the engineer's progress report dated June 22, 1953, are in your office.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson July 31, 1953

M. H. Howes

DMEA-927, Contract Idm-8285, American Fork Consolidated Mines, Utah County, Utah. Progress report for May 1953

The American Fork Consolidated Mines property was inspected on June 4, 1953. It is verified that 15 feet of progress in the winze for May, as reported on MF-104A, is correct, and that the work was performed in accordance with the contract. Progress in the winze continues to be slow, principally because of the mechanical difficulties, water conditions, fractured rock, and the necessity for considerable timbering.

Mineralization, consisting of lead, zinc and iron sulfides, and quartz, occurs along the fissure in the winze and appears to be stronger toward the bottom. Water seepage has increased and has probably reached its peak. The present pumping installation is handling the increased water flow effectively.

It is verified that all charges for services and supplies were necessary and that they do not appear to be excessive. The operator's narrative report is considered to be adequate.

Under Operating Materials and Supplies, Other, is an item for 225 feet of No. 6, 3-conductor, rubber-covered electric cable at a cost of $172.13. This cable is used to service the spare motor pump in case of power failure and flooding of the main pump. It is believed that it will save more than its initial cost by speeding up unwatering at times of power failure.

Payment is recommended for $1,741.19, which is 50 percent of the claimed $3,482.38.

M. H. Howes

M. H. Howes

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

Defense Minerals Administration
RECEIVED
JUN 25 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of 2d Mar-April, 1953 Docket No. DMEA 927 Contract No. JM-E285
Operator's Name American Fork Consolidated Mines Minerals Lead Zinc
Address 405 Dooly Bldg - Salt Lake City Utah
Contract Amount, $ 16038.00 Government Participation: 50 % Amount, $ 8,019.00

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 Schedule A	1775.00		1775.00	1,696.80		1,696.80
Supervision B	533.32		533.32			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber C	144.06		144.06			
Explosives D	41.57		41.57			
Pipe E	125.83		125.83			
Track F	9.71		9.71			
Drill steel & Bits G	50.89		50.89			
Mise. H	723.79		723.79	397.67		397.67
(4) Operating Equipment:						
Rental						
Purchase I						
Depreciation J	116.66		116.66			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment K	132.04		132.04	30.10		30.10
Sampling and Analysis						
Payroll Taxes L						
Liability Insurance M	112.05		112.05	82.35		82.35
Steel & Bit Sharpening N	7.20		7.20			
(8) Contingencies (specify):						
Power O	557.20		557.20	265.08		265.08
TOTALS	4329.32		4329.32	3,501.24		3,501.24

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/14/53 *Payee American Fork Con. Mines
Per Hugo J. Robinson Title Sec & Treasurer

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

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

(Instructions on reverse)

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

$ 1750.62

Signature (Authorized Certifying Officer)

Date 6/15/53 Vou. No. DMA 53-146

(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. Idm-E285 in accordance with the terms of the contract.

Signature M. H. Howes ACW Title Mining Engineer Date May 15, 1953.

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

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-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 22 Mar Apl 1952 — Docket No. DMEA 927 Contract No. TJm-E285
Operator's Name American Fork Consolidated Mines Minerals Lead Zinc
Address 405 Dooly Bldg Salt Lake City Utah

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	1 ft	432 932	25 ft	432 932	25 ft	173 1/2	50 ft	
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		432 932		432 932				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		432 932		432 932				16,638 00

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

Date May 12 53 Operator American Fork Con Mines
Per Wells J Robinson Title Secretary

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

AMERICAN FORK CONSOLIDATED MINES
American Fork Mining District
Utah County, Utah.
May 2, 1953

Report by Foreman of mine of work done in shaft and formation encountered:

"The shaft from the 300 level is now down 172 feet, making 25 feet of new work at the bottom.

"The formation encountered consists of quartzite, vein-matter a pebble-dyke and shale." "Last round showed 4 inches of ore."

The work besides digging the hole, which is 6 feet by 9 feet, consists of installing 2 inch air-line 3 inch discharge pipe line, 1 inch water line, track for skip, and timbering. Installing pumps, which discharges about 50 gals. per minute pumping 24 hours per day.

Timber consists of 8 X 8 wall plates, 9 feet long, 8 X 8 end plates 4½ feet long, 5 feet 2 X 12 lagging. Sets 5 feet center to center.

Signed L O Burnett
Mine Foreman

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

Administrative Audit Difference Statement

Date: June 12, 1953
Payee's
Reference: Progress
Report - April, 1953

American Fork Consolidated Mines
405 Dooly Bldg.
Salt Lake City 1, Utah
I-DMA-E-285

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

Amount Claimed $ 4,329.32

Difference $ 828.08

Amount Approved $ 3,501.24

The reason for the difference was due to:

See deductions on pages attached amounting to $828.08

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

Very sincerely yours,

Alfred K. Olson
Audit Section

R-IV-B & F Form No. 4
4-16-52 D

E-865 - AMERICAN FORK CONSOLIDATED MINING CO.

Deductions made from March and April 1953 Monthly Report

Labor and Supervision (Labor)

Allowable Payroll is as follows:

Regular Rate - $12.50/da. Overtime Rate - $2.34/hr.

Employee	Regular Time	Amount	Overtime	Amount	Total Amount
Bert Stack	22 da. at 12.50/da.	275.00	3 hr. @ 2.34	7.02	282.02
J. T. Burnett	28 da. at 12.50/da.	350.00	4 hr. @ 2.34	9.36	359.36
Beldell Greenbalgh	28 da. at 12.50/da.	350.00	4 hr. @ 2.34	9.36	359.36
Cyrus N. Tolman	24 da. at 12.50/da.	300.00	4 hr. @ 2.34	9.36	309.36
Damsel Greenbalgh	24 da. at 12.50/da.	300.00	4 hr. @ 2.34	9.36	309.36
W. E. Lofgren	6 da. at 12.50/da.	75.00	1 hr. @ 2.34	2.34	77.34

Total Allowable - $1,696.80

Deduction therefore - - - - - $1,775.00 - $1,696.80 = $78.20

Liability Insurance

Liability Insurance on above payroll - $1,696.80 x .01853 = $82.35

Deduction therefore - - - - - - - - - - - $112.05 - 82.35 = $29.70

Schrepp Electric Co.

1 Magnetic Starter (440 volt) - $50.00 - Tax $1.00

Total deduction - $51.00

Reason: Equipment costing more than $50.00 and not specifically allowed by Contract; therefore not allowable.

Wickerson Machinery Co. (Invoice No. 6251)

Repair parts for pump - $50.94.

Total deduction - $50.94

Reason: Purchase of pumps is allowable under the Contract but no information is available in this office that purchase was made. Repair of company-owned pumps and other equipment cannot be repaired at cost to the DMEA project unless the equipment is listed in the Contract.

Glen Chadwick (Order No. 1)

Total deduction - $165.50

Reason: Equipment costing more than $50.00 and not specifically allowed by Contract; therefore not allowable.

Hafer's Inc.

Return of Chain Blocks - $25.20

Total deduction - $25.20

Reason: This is a Credit Memo and not an Invoice. No original charge was made for this item so deduction is only made once.

Western Powder Co. (Invoice No. 2267)

1 Pr. Size 10 Supreme Gloves, plus Tax - $10.20

Total deduction - $10.20

Reason: Items of personal wearing equipment and not for general issue are not allowable.

Mine and Smelter Supply Co. (Cash Sales Receipt)

4½ Sq. Ft. [illegible] Mesh Fire Screen - - - -	[illegible].50
24 75/120 [illegible] Hangers - - - - - - -	9.60
Plus Wash. St. Tax, 10.2% - - - -	.98
Plus 2% - - - - - - - - - - - - - -	.30
	$15.38

Total deduction - $15.38

Reason: Disallowed as documentation is inadequate to determine the use of the items in question.

Westinghouse Electric Co. (Invoice No. 1-652536)

1 Magnetic Starter, 206-251-1400, S 1578722 - -	$69.30
Plus tax - - - - - - - - - - - - - - - - - -	1.39
	$70.69

Total deduction - $70.69

Reason: Same as for Sahrage Electric Co. invoice above.

Bearing Engineering Co. (Invoice No. 6443)

Total deduction - $36.33

Reason: Disallowed in its entirety pending clarification of the items contained therein and the item of equipment repaired.

Sears, Roebuck & Co. (Sales slip for $2.82)

Total deduction - $ 2.82

Reason: Lack of sufficient documentation to determine the description of the items for which charge is made. Also not accompanied by required invoice showing to whom charge was made.

Utah Power and Light Co.

Amount allowable - 32/50 x $411.19 = $263.08

Deduction therefore - $557.20 - $263.08 = $294.12

Total deduction - $294.12

Reason: Operations started March 28, 1953. 32 da. power charge allowable of the 50 da. covered (March 10, 1953 to April 28, 1953).

RECAPITULATION OF DISALLOWANCES

Labor and Supervision (Labor)	$ 78.80
Liability Insurance	29.70
Sahrego Electric Co.	51.00
Wisherson Machinery Co.	50.94
Glen Chadwick	165.50
Rafer's Inc.	25.20
Western Powder Co.	10.20
Mine and Smelter Supply Co.	15.38
Westinghouse Electric Co.	70.69
Bearing Engineering Co.	36.33
Sears Roebuck & Co.	2.02
Utah Power and Light Co.	292.12
TOTAL DISALLOWANCES - - - - - - - - - - - - - - - -	$828.08

Amount claimed by Operator - - - - - - - - - -	$4,329.32
Total disallowances - - - - - - - - - - - - - -	828.08
Amount allowable - - - - - - - - - - - - - - - -	$3,501.24
Payment to Operator at 50% - - - - - - - - - -	$1,750.62

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

224 New Customhouse
Denver 2, Colorado

June 9, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines Company, Utah County, Utah - Operator's Monthly Progress Report, for the period March and 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 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

(See attached sheet for deductions).

Remarks:

Date of Report	May 15, 1953
Date Originally Received in Field Office	May 15, 1953
Date Revised Forms Received in Field Office	Unknown
Date Received in Region Office	June 4, 1953
Date Processed for Payment	June 9, 1953

Delay due to necessity of returning forms to the Operator for correction.

W. H. KING

W. H. King

Enclosures

RDB:ld
cc: Secretary to the Operating Committee (2)
Contract
Wilson
Berkenkotter
Subject
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

June 2, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-927, Contract Idm-E285, American Fork Consolidated Mines Co., Utah County, Utah. MF-104 forms for March and April 1953

Enclosed are the required copies of MF-104 forms, with supporting data pertaining to subject project work during March and April 1953. The inspecting engineer's narrative of progress is included.

Work during the period consisted of sinking the winze 25 feet. Part of the high unit cost may be ascribed to the preparatory work necessary to start the operation. Some of the supply items were purchased during the latter part of 1952, but work was not started because of adverse weather. A recess period was granted, and operations were started March 28, 1953.

The contract does not include allowances for equipment repair or maintenance of steel and bits. The contractor has listed expenditures for these items under schedules K and N. An extensive list of supply items is shown under schedule H, Miscellaneous. The contract permits purchase of miscellaneous small tools, pipe fittings, etc.

Recommendation is made that the operator be reimbursed in the manner described in the inspecting engineer's report and subject to your interpretation of the need for amendment to allow expenditures under the above-described schedules.

The MF-104 forms were received from the operator May 15, 1953, but returned for correction. Delay in transmittal to Denver is the result of the improper preparation of the forms, and discussions with the operator concerning validity of expenditures.

The property was inspected May 11, 1953.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson May 26, 1953

M. H. Hayes

DMEA-927, Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah. Progress report for March-April, 1953.

The American Fork Consolidated Mines property was inspected on May 11, 1953. It is verified that 25 feet of progress in the winze for March-April, as reported on form MF-134A, is correct, and that the work was performed in accordance with the contract.

The winze is following the Pacific fissure downward. A steep-dipping, northeasterly-striking, pebble dike has been encountered in the bottom of the winze. Fairly strong lead, zinc and iron sulphides occur along the fissure on the footwall side of the dike. The rock on both hanging wall and footwall sides of the fissure appears to be quartzite.

A flow of water of 50 g.p.m. in the winze is being handled by pumping 24 hours per day with I.R. motor pumps.

It is verified that all charges for services and supplies were necessary and that they do not appear to be excessive, except for the power charge, which is explained below in comments on Item (8). The initial high cost of the project is due to conditions incidental to starting up the operation, acquiring supplies, etc. The operator's narrative report is considered to be adequate.

Item (2) Labor, Schedule A

Wages for mine labor have been turned in on the April statement, using the rate of $12.50 per day. The company is actually paying $16.65 per day, and has submitted an application for amendment to the contract to allow the increased wage rate.

Item (7) Repairs to equipment, Schedule K; and steel and bit maintenance, Schedule N

While there are no allowances for repairs to equipment, and for steel and bit maintenance in the contract, these are normal mine costs and should be allowed.

Item (8) Power

The total Utah Power & Light Co. bill is $557.20. The part of the bill described as "arrears" is $143.01 and should be

deducted from the total, because it is a charge for power used prior to the period of the present billing. The amount of the bill for $414.19 is for the period of 49 days, at $8.45 per day, from March 10, 1953, to April 28, 1953. The contract started on March 28, 1953. Therefore, a proration of the power costs should be made as follows: 18 days company account from March 10 to March 28, 1953, at $8.45 per day would be $152.15; and 31 days contract account from March 28 to April 28, 1953, at $8.45 per day would be $262.04. This latter amount of $262.04 should be charged against the project instead of the $557.20.

Payment is approved for $2,017.08, which is 50 percent of the claimed $4,329.32, less $295.16, or $4,034.16.

M. H. Howes

M. H. Howes

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

PROJECT SUMMARY REPORT

By: W. R. Griswold June 7, 1954

1. Docket No. DMA-927
Contract No. Idm-E285
Property: Pacific Mine
Location: Utah County, Utah

Operator: American Fork Consolidated Mines
405 Dooly Building
Salt Lake City, Utah

Operator's Property Rights:
Lease and Option to Purchase (no copy in files)
Landlord's Subordination
Agreement - Date March 25, 1952

2. Contract dated March 25, 1952.

Work Authorized

Sink inclined winze 50 feet

Drift approximately 400 feet

Estimated Cost of Exploration

Labor and supervision, insurance	$ 7,838.00
Supplies	3,894.00
Depreciation of equipment	625.00
Power	1,800.00
Purchase of equipment	1,881.00
Total	$16,038.00
Government participation	$ 8,019.00

(NOTE: No cost seperation made between winzing and drifting)

Amendments

No. 1 Dated December 19, 1952

Extends completion time from 8 months to 2 years.

No. 2 Dated March 13, 1953

Extends starting date for work from 60 days from contract date to 465 days.

No. 3 Dated June 17, 1953

Increases allowable wage rates for six miners.

No. 4 September 18, 1953

Adds to work schedule by allowing an 8-foot sump at botton of winze and also a slusher station.

(None of the above amendments were intended to increase the total project cost)

Work Completed

58 feet winzing at $232.76 (6'x9' inside timber)	$13,500.30
24 feet drifting at $105.74	2,537.67
	$16,037.97
Actual final audit cost	$16,038.00
Government participation	$ 8,019.00

3. Audit Certificate issued April 27, 1954

Exceptions	$ 359.74
Proceeds property disposition	$ 125.00

4. Certification of Discovery: None

5. Comments:

From the costs of the work it appears reasonable to assume that the work was done in an inefficient and expensive manner. The Field Team attributes the excessive costs and slow progress to "increase of water flow with depth gained, loose, shattered hanging wall and delays caused by occasional power failures and flash floods".

Granting all of the above, yet the recorded cost of $232.76 per foot for a 6' x 9' winze is somewhat out of line. However, because of these unexpected circumstances and the lack of experience on the part of the Operator, the work and costs have been accepted.

The mine workings are mainly in the Tintic quartzite and Ophir shale of Cambrian age. The principal ore-bearing structure is the northeast-striking, northwest-dipping Pacific fissure. Small, lenticular, high-grade ore-bodies have been mined in a zone of crushed quartzite along the fissure just below the contact of the overlying Ophir shale. Mineralization is known to exist over a maximum strike length of 900 feet and along the dip of least 350 feet.

The DMEA exploration project consisted of deepening an existing winze to the projected position of intersection of the Pacific fissure with the parallel but more steeply dipping Lead fissure. It was proposed further to drift northeast and southwest along the zone of intersection of the fissures.

It is believed that little evidence exists that stronger mineralization would be found by further work in this area.

W. R. Griswold

☒ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12/10/54

Incl. Voucher for August 1953

☒ Actual Cost

☐ Agreed Unit Costs

Name American Fork Consolidated Mines

Docket No. DMEA-927

State Utah

Commodity Lead-Zinc

Idm-E No. 285

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	400'	2537.70	34'	$2,557.48	$2,537.70
Raising					
Shafts					
Winzes	50'	13500.30	58'	13,605.52	13,500.30
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) all costs		$16,038.00			
Totals		$16,038.00		$16,163.00	$16,038.00

Property Liquidation

Pipe $ 20.00

Caldwell 105.00

$125.00

Prepared by [illegible]

71626

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

224 New Customhouse
Denver 2, Colorado

May 14, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket DMEA 927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah

Enclosed are the following final reports pertaining to work completed under the subject contract:

1. Original and three copies of the final geologic report by the U.S. Geological Survey.

2. Original and three copies of the final engineering report by the Bureau of Mines.

It is recommended that the provisions of article 14 of the contract form relative to the operator's supplying a final report be waived inasmuch as under the circumstances a report from him would add nothing to the information supplied by the engineer and geologist.

Final payment to the operator was processed by this office May 14, 1954, in conformance with the certificate and report of audit by the Contract Administration and Audit Division dated April 27, 1954, which was released to this office May 13, 1954.

The exploration work completed consisted of 58 feet of shaft sinking and 24 feet of drifting, at a total accepted cost of $16,038.00, in which the Government participated to the extent of 50% or an amount of $8,019.00. The exploration work did not result in a discovery or development of lead-zinc ore, therefore no certification of such is recommended.

Only a portion of the work authorized by the contract was completed, however all funds were expended. The unit costs of performing the work are exceedingly high because of adverse conditions encountered in performing the work. It is deemed that Government participation in the costs of additional exploration work is not warranted.

Reviewed by
DMEA OPERATING COMMITTEE
5/24/54
(date)

John F. Shaw, for W. H. King

A. H. Koschmann

Encls.

FINAL
F.T. REP.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

January 4, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 927, American Fork Consolidated Mining Company, Pacific Mine, Utah County, Utah

Enclosed are 9 copies of a final geologic report by C. G. Tillman of the U. S. Geological Survey covering the above docket.

No further work is recommended on this property at the present time.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 208 - 222 So. West Temple
Salt Lake City 1, Utah
December 28, 1953

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: C. G. Tillman for R. J. Roberts
Utah-Nevada District Office

Subject: DMEA Docket 927, American Fork Consolidated Mining Company, Pacific Mine, Utah County, Utah

Enclosed are nine copies of a final geologic report on the Pacific Mine, DMEA Docket 927, by C. G. Tillman, geologist, U. S. Geological Survey.

The American Fork Consolidated Mining Company was granted a DMEA loan to aid in exploration for lead-zinc ore in the Pacific mine, Utah County, Utah.

Lead-Zinc ore is found in this mine in a crushed zone in quartzite along the Pacific fissure and to a lesser extent in a crushed zone in quartzite along the Lead fissure.

It was proposed to explore the zone of intersection of the Pacific fissure with the Lead fissure by winze deepening and drifting. The Lead (?) fissure flattened with depth and no intersection was achieved. A small amount of drifting along the Lead(?) fissure revealed no promising showings of lead-zinc ore. Project funds were exhausted at this point as a result of high costs due to bad ground and heavy flow of water.

No new lead-zinc ore bodies were discovered as a result of the exploration program carried on with DMEA aid and no further work is recommended on this property at the present time.

Ralph J. Roberts

By: C. G. Tillman
C. G. Tillman

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

FINAL GEOLOGIC REPORT

DMEA Docket 927 (Lead-Zinc), American Fork Consolidated Mining Company

Pacific Mine, Utah County, Utah

By

C. G. Tillman
U. S. Geological Survey

December 28, 1953

Reviewed by
DMEA OPERATING COMMITTEE

(date)

DMEA Docket 927

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ILLUSTRATIONS

Fig. 1 - Index Map of Central Utah
2 - Geologic Map of the Pacific Mine American Fork District, Utah County, Utah
3 - Section A-A, Pacific Mine, American Fork District, Utah County, Utah

FINAL GEOLOGIC REPORT

DMEA Docket 927 (Lead-Zinc), American Fork Consolidated Mining Company

Pacific Mine, Utah County, Utah

SUMMARY

The American Fork Consolidated Mining Company was granted a DMEA loan to aid in exploration for lead-zinc ore in the Pacific Mine, Utah County, Utah.

The mine workings are mainly in the Tintic quartzite and Ophir shale of Cambrian age. The principal ore-bearing structure is the northeast-striking, northwest-dipping Pacific fissure. Small, lenticular, high-grade ore-bodies have been mined in a zone of crushed quartzite along the fissure just below the contact of the overlying Ophir shale. Mineralization is known to exist over a maximum strike length of 900 feet and along the dip at least 350 feet.

The DMEA exploration project consisted of deepening an existing winze to the projected position of intersection of the Pacific fissure with the parallel but more steeply dipping Lead fissure. It was proposed further to drift northeast and southwest along the zone of intersection of the fissures.

The winze was deepened and a small amount of drifting was completed along the slightly mineralized Lead (?) fissure. Because the latter fissure flattened no intersection with the Pacific fissure was achieved. The project was concluded at this point because high operating costs due to bad ground and heavy flow of water had exhausted the funds allowed.

The DMEA project did not result in the discovery of new lead-zinc ore-bodies. No further work is recommended at this time.

INTRODUCTION

The American Fork Consolidated Mining Company, Salt Lake City, Utah applied for a loan, DMEA docket 927, to aid in exploration for lead-zinc ore in the Pacific Mine, American Fork mining district, Utah County, Utah. The property was examined by J. W. Hasler, R. W. Osterstock, and B. J. Sharp of the U. S. Geological Survey and W. E. Young of the U. S. Bureau of Mines, May 22 and 23, 1951. A loan was granted under contract Idm-E285 dated March 25, 1953 on work totaling $16,038.00. Work began March 28, 1953 and ended in August 1953.

Acknowledgment

Previous DMEA reports on this property by U. S. Geological Survey and U. S. Bureau of Mines representatives, as well as U. S. Geological Survey Professional Paper 201, 1943, by F. C. Calkins and B. S. Butler, have been used in the preparation of this report.

Location and accessibility

The Pacific Mine is on the Blue Rock claims in parts of secs. 30, 31, 32, and 33 of T. 3 S., R. 3 E., SLB&M. The property may be reached by driving eastward on Utah Highway 80 from its intersection with U. S. Highway 89 for approximately 17 miles up American Fork Canyon. The mine is easily visible a few hundred feet west of the road at this point.

History and production

From 1911 to 1949, the Pacific Mine yeilded 6,541 tons of concentrates with an average grade of 32.4 percent lead, 3.04 percent zinc, 22.8 ounces silver, and 0.028 ounces gold per ton. Calkins and Butler (1943, p. 135) note that in 1917 about 3 tons of ore were milled to produce one ton of concentrate like those described above.

DEVELOPMENT

Entrance to the Pacific Mine is by means of the 900-foot Pacific Lower Tunnel, also known as the 300-foot level, which strikes about N. 70° W. From the northwest end of this tunnel a total of 1,350 feet of drift was driven about equal distances northeast and southwest along the Pacific fissure. Ore bodies were stoped up along the northwest dipping Pacific fissure from this drift with the largest stopes being within 200 feet on either side of the tunnel. Paralleling the Pacific fissure 60 feet to the northwest is the Lead fissure which is also cut by the tunnel. Drifts extend both northeast and southwest on this fissure. Approximately 25 feet northeast of the tunnel in the drift on the Lead fissure, and in the hangingwall of the fissure, a winze was sunk 130 feet at an inclination of 63° to the northwest. It is this winze that was deepened an additional 58 feet from the 415-foot level to the 440-foot level in the recently completed DMEA exploration project.

GEOLOGY

The area of the Pacific Mine is underlain by sedimentary rocks of Cambrian, Devonian, and Mississippian age. The Mountain Dell fault brings the Devonian Jefferson (?) dolomite and the overlying Madison and Deseret limestones of Mississippian age to the south in contact with the Cambrian Tintic quartzite and overlying Ophir shale to the north. This great fault strikes generally east and dips south about 55 degrees and has downdropped the block to the south more that 1,000 feet. Bedding in the downdropped block strikes N. 20° E., and dips 45° east while that in the upthrown block strikes N. 10° E. and dips 35° east.

Thin siliceous dikes and a pebble dike are also visible in the mine.

ORE DEPOSITS

As described by Calkins and Butler (1943, pp. 135-136), the Pacific Mine workings are mainly in the Tintic quartzite and Ophir shale on the north side of the Mountain Dell fault. The Pacific fissure which strikes about N. 45° E. and dips about 50° northwest has been the principal ore-bearing structure in the mine. The Lead fissure, about 60 feet northwest of the Pacific fissure, strikes parallel to the latter and dips about 60° northwest. This fissure is also mineralized. Both are normal faults of rather small displacement and when projected downward appear to intersect at about the 440-foot level.

The most important ore bodies of the mine were localized in the zone of crushed quartzite along the Pacific fissure. Chief ore minerals are pyrite and galena with some sphalerite, cerussite, and tetrahedrite; gangue minerals are quartz and barite.

Although there is some ore throughout the Pacific fissure, it lies mainly in shoots having a flat southwesterly pitch and apparently enclosed in the Cambrian quartzite just beneath the Ophir shale. High grade ore forms small lenticular bodies within the larger shoots of lower grade ore. Ore previously mined has come from an area 900 feet long along the strike of the vein and at least 350 feet along the dip above and below the 300-foot level. Some of the larger shoots of ore were as much as 150 feet in strike length, 70 feet down dip, and as much as 18 feet wide; their average thickness may have been 5 feet.

A new stope on the 415-foot level 50 feet northeast of the winze has been worked recently. The ore zone in this stope is about 2 feet wide

and consists mainly of galena stringers in crushed quartzite. The extent of the body has not been determined. A total of 111 tons of ore was shipped from this stope which averaged 31.9 percent lead, 3.04 percent zinc, 7.93 ounces silver, and 0.0075 ounces gold. This ore was hand sorted.

COMPLETED EXPLORATION

It was proposed to deepen an existing 130-foot inclined winze in the hangingwall of the Lead fissure from the 300-foot level (Pacific Lower Tunnel level) an additional 50 feet to the projected intersection of the Lead fissure with the Pacific fissure. From the foot of the winze it was proposed to drift along the zone of intersection for 200 feet northeasterly and 200 feet southwesterly.

The winze was deepened 58 feet (8-foot sump) and 24 feet of drift was driven to the northeast from its bottom (figs. 2 and 3). High costs caused by a large flow of water and bad ground resulted in the expenditure of all the project funds without completing the remaining 376 feet of drift allowed under the contract. As shown on the company cross-section (fig. 3) what may be the Lead fissure flattened near the point of its projected intersection with the Pacific fissure and no intersection resulted. The Lead (?) fissure and the projected Pacific fissure lie 30 to 40 feet apart on the 440-foot level. Nevertheless, approximately 24 feet of drifting was completed to the northeast from the bottom of the winze along the slightly mineralized Lead (?) fissure. This work revealed no encouraging lead-zinc mineralization.

CONCLUSIONS AND RECOMMENDATIONS

It is possible that the Pacific fissure might contain encouraging lead-zinc mineralization on the 440-foot level, but it is the opinion of the examining geologist that the high cost of exploration in this mine and the additional expense required to unwater and rehabilitate the winze make any further exploratory work with DMEA funds unattractive at the present time.

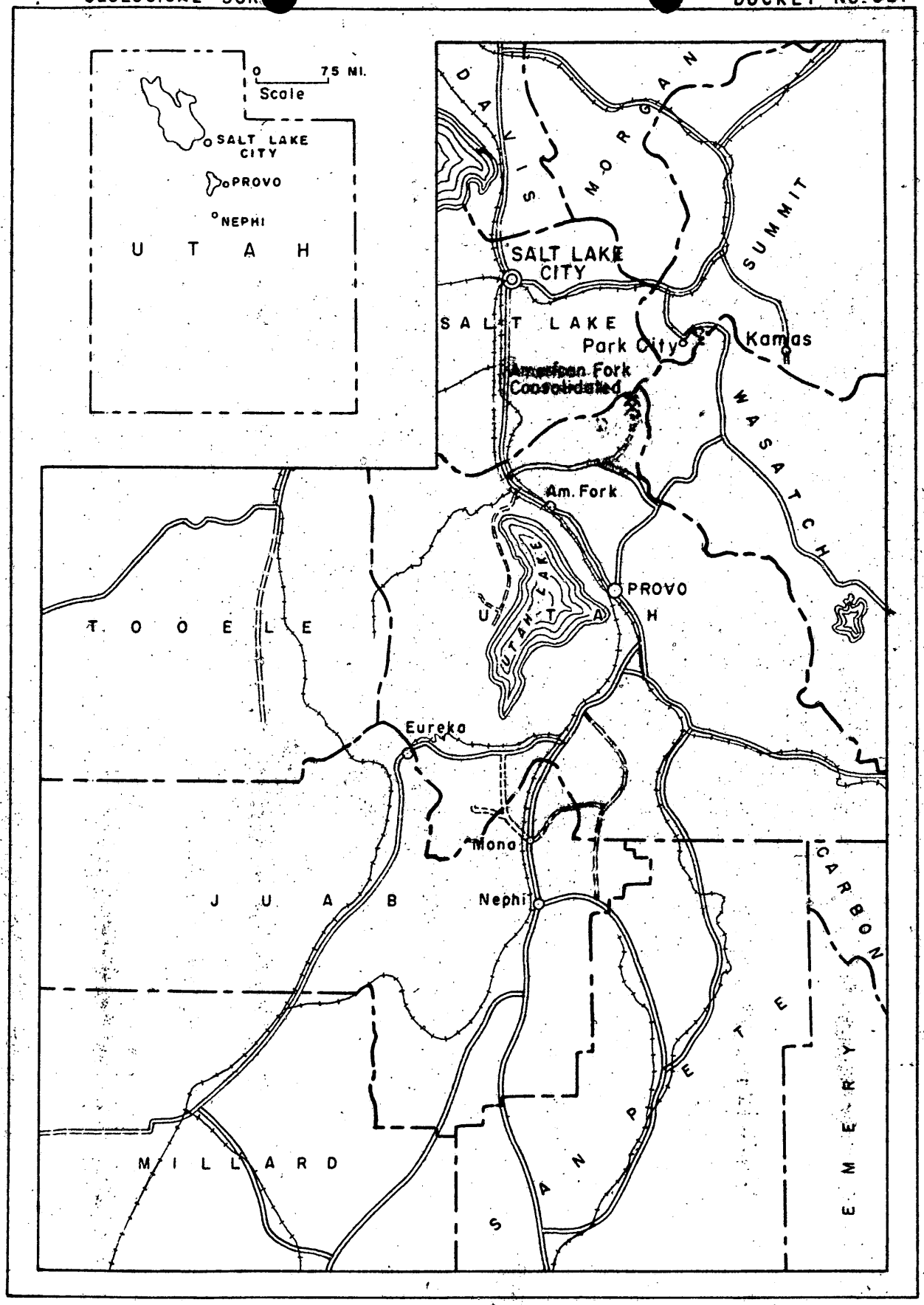

FIG. 1 INDEX MAP OF CENTRAL UTAH

0 5 10 15 20 MILES
Scale

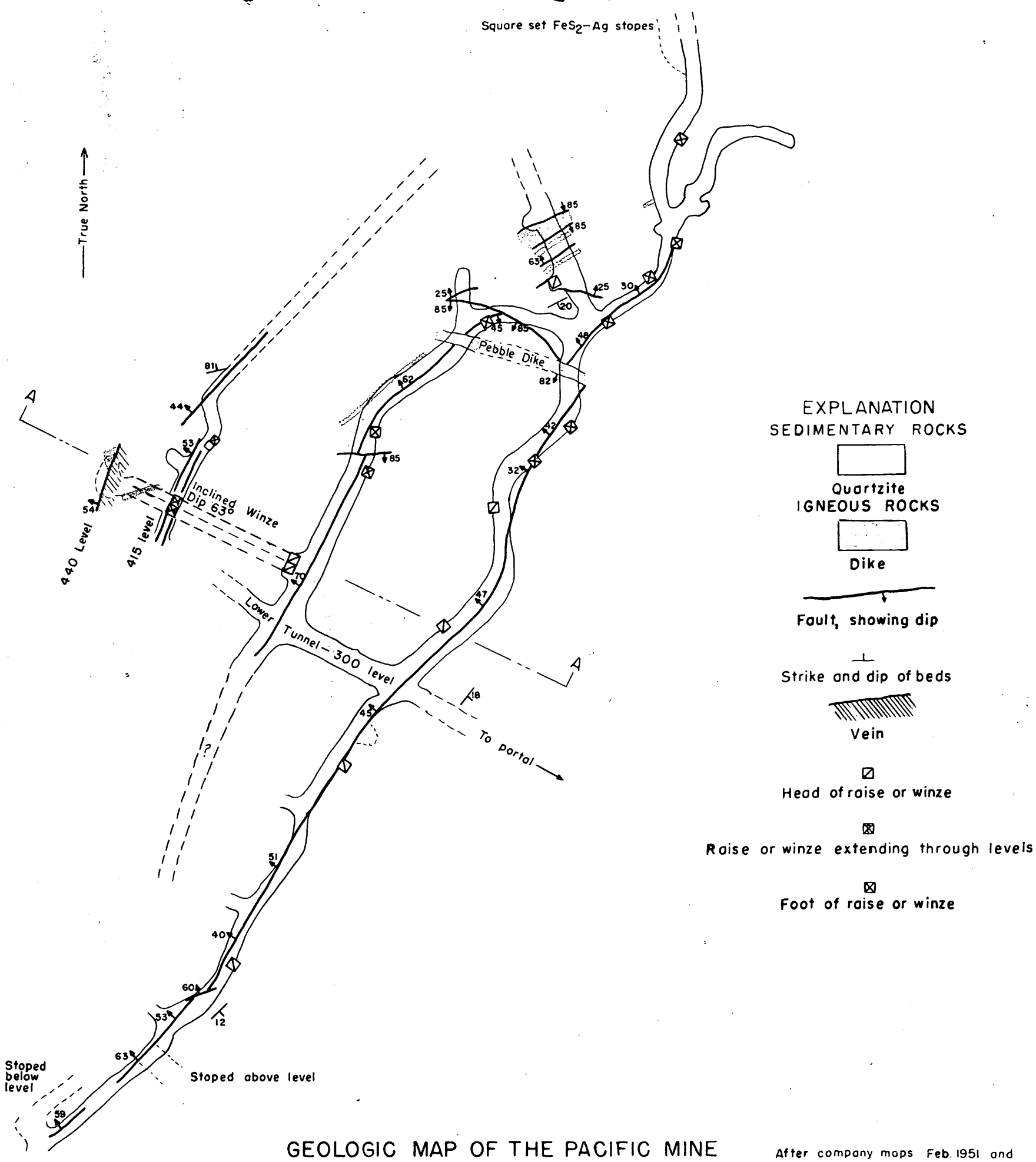

FIG. 2

GEOLOGIC MAP OF THE PACIFIC MINE
AMERICAN FORK DISTRICT
UTAH COUNTY, UTAH

0 50 100 150 ft.
Scale

After company maps Feb. 1951 and Sept. 1953

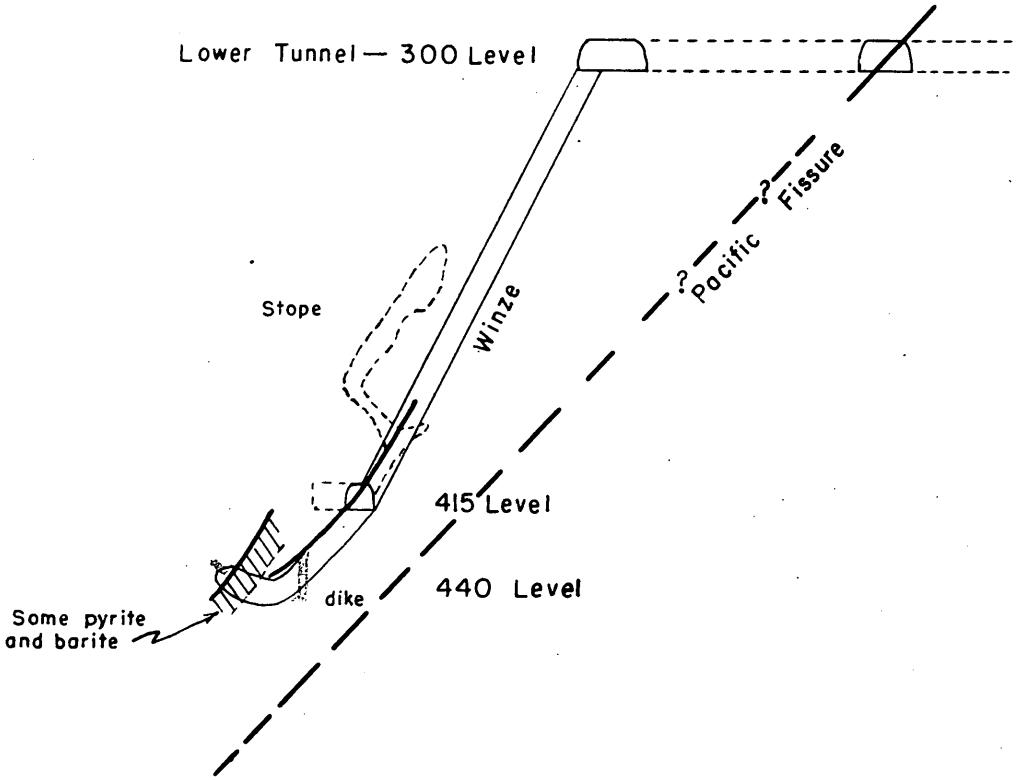

FIG. 3

SECTION A–A, PACIFIC MINE
AMERICAN FORK DISTRICT
UTAH COUNTY, UTAH

After company section
Sept. 1953

0 50 100 150
Scale

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Date Rec'd
MAY 10 1954
BUREAU OF MINES
Denver, Colorado

May 7, 1954

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-927 (Lead-zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah

Enclosed are the original and eight copies of a final engineering report covering work accomplished under the subject contract. The report was prepared by M. H. Howes.

The project work disclosed no encouraging mineralization. A certification of discovery is not recommended.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

Reviewed by
DMEA OPERATING COMMITTEE

(date)

AMERICAN FORK CONSOLIDATED MINES
UTAH COUNTY, UTAH
DMEA-927
Contract Idm-E285
Lead-Zinc

Final Engineering Report

By M. H. Howes
Mining engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

AMERICAN FORK CONSOLIDATED MINES
UTAH COUNTY, UTAH

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ILLUSTRATIONS

Fig. 1 Location map, American Fork Consolidated Mines, Utah County, Utah
Fig. 2 Plan and section of underground workings

INTRODUCTION

American Fork Consolidated Mines, 405 Dooly Building, Salt Lake City, Utah, made application for a DMEA loan for an exploratory project to search for lead-zinc ores on property in the American Fork district, Utah County, Utah. An examination of the property was made during May 1951 by representatives of the Bureau of Mines and the Geological Survey, and recommendations were made that the company be granted a loan. A contract was prepared and signed March 25, 1952, authorizing the expenditure of $16,038.00, on a 50-percent participating basis, for sinking an inclined winze approximately 50 feet and for drifting approximately 400 feet northeasterly on the fissure from the bottom of the winze. A delay in starting the project was caused by the necessity of rehabilitation of the working adit and winze, which consumed the money that had been appropriated by the company for its share of the DMEA contract. Project work as permitted by contract was finally started March 28, 1953, after an amendment was granted allowing the extension of the starting time from 60 to 465 days from the date of the contract. The contract funds were exhausted and the project terminated during August 1953 after an advance of only 20 feet of the proposed 400 feet of drifting was accomplished in addition to sinking the inclined winze 50 feet.

LOCATION

The American Fork Consolidated Mines property (old Pacific mine) is situated in the American Fork mining district, near Dry Fork, in Utah County, Utah, in Secs. 30, 31, 32, and 33, T. 3 S., R. 3 E., S.L.B. & M. (fig. 1). The property may be reached by leaving U. S. Highway 91 about 3 miles northwest of Lehi, Utah, and traveling 7 miles easterly on Utah Highway 80 to the mouth of American Fork Canyon, thence about 11 miles northeasterly in American Fork Canyon to the mine. The last 4 miles is a narrow, graveled canyon road.

OWNERSHIP AND EXTENT

American Fork Consolidated Mines owns 13 lode mining claims and holds 25 others by lease and bond from the Blue Rock Mining and Milling Co. The following patented lode-mining claims, upon which the exploration project was conducted, are listed in the DMEA contract: Blue Rock, Lot No. 5049; Blue Rock No. 2, Blue Rock No. 3, and Blue Rock No. 4, Survey No. 5861; Blue Rock No. 1 and Blue Rock No. 6, Survey No. 6139; Blue Rock No. 9 and Last Chance No. 2, Survey No. 6472.

Officers of the company are: H. G. Blumenthal, president, N. J. Nielson, vice president; and W. J. Robertson, secretary. The office of the company is located at 405 Dooly Building, Salt Lake City, Utah.

EXPLORATION PROJECT CONTRACT

Docket No. DMEA-927 (Lead-zinc), Contract Idm-E285, was signed March 25, 1952. It is a long-form contract allowing a total maximum

expenditure of $16,038.00, of which the Government participates to the extent of 50 percent, or $8,019.00, for sinking the inclined winze approximately 50 feet to the projected intersection of the Lead or hanging wall fissure with the Pacific fissure, and for driving approximately 400 feet of drift on the fissure to the northeast from the bottom of the winze. Contract Amendment No. 1 allows the time for completion of the project to be increased from 8 months to 2 years. Amendment No. 2 allows the project to be started within 465 days from the date of the contract instead of the original 60 days. Amendment No. 3 allows 6 miners at $16.65 per day each in place of 6 miners at $12.50 per day each. Amendment No. 4 allows the sinking of an 8-foot sump from the bottom of the 50-foot winze and also permits cutting a slusher station at the bottom of the winze on the opposite side from the proposed drifting.

DESCRIPTION OF WORK COMPLETED

A delay of several months in starting the project was caused by expenditure of money appropriated by the company for its share of the cost of the DMEA contract, for necessary repairs to the main working adit and winze. The winze-sinking phase of the project was started March 28, 1953, after the company had raised additional funds. Progress was slow because of increase of water flow with depth gained, loose, shattered hanging wall, and delays caused by occasional power failures and flash floods. The winze, driven 6 by 9 feet inside

timber, reached a depth of 50 feet below the starting point in June 1953. During July an 8-foot sump was sunk below the bottom of the winze and a 4-foot slusher station was cut on the southwest side of the winze, preparatory to starting the exploratory drift northeasterly on the fissure. The project funds were exhausted in August 1953, after the northeast drift had been advanced only 20 feet.

GEOLOGY

Rocks in the vicinity of the property are mainly Tintic quartzite and Ophir shale of Cambrian age. The principal ore-bearing fissure in the mine is the Pacific fissure, which strikes N. 45° E. and dips 50° to the northwest on the Lower Tunnel level. A structure called the Lead fissure, dipping about 60° to the northwest, is in the hanging wall of, and parallel to the Pacific fissure. The two fissures are normal faults of undetermined, but probably small displacement. By projection, the two fissures should intersect about 50 feet below the bottom of the old, inclined winze to the north on the Lower Tunnel level.

In the exploratory project the inclined winze follows a structure believed to be the Pacific fissure. At the start of the project, the fissure dips about 50° to the northwest. At the bottom of the winze, 58 feet below, the fissure flattens with dip about 30°. Since no fissure has been intercepted from the hanging wall side, it must be assumed that the Lead fissure has either terminated at depth or flattened out to become nearly parallel to the Pacific fissure.

The fissure, followed in sinking the winze, contains scattered sulphide mineralization, consisting mainly of pyrite with small amounts of galena and sphalerite. The rock on both footwall and hanging wall sides of the fissure is quartzite. The footwall quartzite is solid, but the hanging wall rock is shattered and loose. The weakly mineralized fissure was followed by drifting 20 feet northeasterly from the bottom of the winze.

SAMPLING

The following samples were taken during the progress of the work:

Sample No.	Ounce Ag	Percent Pb	Percent Zn
AF 1	<0.1	0.1	<0.1
AF 2	0.2	<0.1	0.7
AF 3	0.1	0.2	0.2
AF 4	0.1	<0.1	0.7
AF 5	0.3	0.3	0.7

AF 1 represents fissure material from a cave 5 feet above the back of the northeast drift, 10 feet from the winze.

AF 2 represents a 4-inch cut of the fissure in the drift, 12 feet from the winze.

AF 3 represents a 4-foot cut in the face of the slusher station, 4 feet southwest from the winze.

AF 4 represents a 14-inch cut of the fissure on the southwest side of the bottom of the winze.

AF 5 represents a 3-foot cut of the fissure in the bottom of the winze.

EXPENDITURES

Expenditure of $16,038.00, the total amount approved by the DMEA contract, has apparently been made on the uncompleted project. The Government's share of this cost, at 50 percent, is $8,019.00. However, this total is subject to final Government audit. No ore was discovered during the exploration and consequently no production was made.

EQUIPMENT PURCHASED FOR PROJECT

The following material and equipment, purchased for the exploratory project, remains at the property at termination of the project, and is considered to have a salvage value:

Material and Equipment	Purchase Price	Condition	Estimated Salvage Value
Hose (air and water)	$ 81.90	fair	$ 40.00
Pipe and fittings	113.04	poor	15.00
Drill steel and bits	66.73	poor	10.00
Electric float switch	15.00	fair	5.00
Electric cable	172.13	fair	80.00
Total	$448.80		$150.00

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

American Fork Consolidated Mines was granted a DMEA loan to explore for lead-zinc ores at its property (old Pacific mine) in American Fork Canyon, by sinking approximately 50 feet from the bottom of the inclined winze on the Lower Tunnel level to the projected intersection of the

Lead or hanging wall fissure with the Pacific fissure, and then by drifting approximately 400 feet northeasterly on this intersection. The long-form contract allows a total maximum expenditure of $16,038.00, of which the Government's share, at 50 percent, is $8,019.00. The sinking phase of the project, started on March 28, 1953, followed what is believed to be the Pacific fissure. Weak sulphide mineralization, consisting of pyrite, galena, and sphalerite, was encountered in the fissure. Rock on both sides of the fissure is quartzite, which is solid on the footwall side and shattered and loose on the hanging wall side. The fissure flattens from a dip of about 50° to the northwest at the start of the project to about 30° at a point 58 feet below the start. No intersection of the hanging wall fissure was made. After completion of only 20 feet of the proposed 400 feet of drifting northeasterly on the fissure from the bottom of the winze, the project funds were exhausted, and contract work was terminated.

Loose, shattered rock requiring special care in timbering, increased water flow with depth, power failures and flash floods were the principal reasons for the slow progress, and consequently, for the high costs per foot of advance in the winze and drift.

It is recommended that no further Government aid be allowed. The high cost of the work and weak mineralization encountered make

any proposed future exploration unattractive. It is believed that little evidence exists that stronger mineralization will be found by continued exploration in this area.

Since no ore was found by the exploratory work, it is recommended that no certification of discovery be issued.

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

MAY 2 1954

Mr. Thomas H. Brading
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Contract Idm-E285, DMEA-927
American Fork Consolidated Mines
Utah County, Utah

Dear Mr. Brading:

Receipt is acknowledged of your Audit Certificate and Report covering the above-cited contract.

The Report is acceptable and may be distributed in the usual manner.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Copy to: Docket
Admr. Reading File
Mr. Chambers

R.C.G.

Docket copy

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
2 1952

224 New Customhouse
Denver 2, Colorado

December 29, ~~1952~~ 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 1 to Contract Idm-E285, Docket DMA 927, American Fork Consolidated Mines

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E285. 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 and three copies of a memorandum by a Bureau of Mines engineer recommending this amendment.

W. H. King

W. H. King

Enclosures

RECEIVED
JAN 15 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

cac
1/2/53

FILE COPY
SURNAME:

140

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

October 7, 1953

N.S. in R.P.

Memorandum

To: The Administrator

Through: Mr. W. R. Griswold

From: Chief Counsel

Subject: American Fork Consolidated Mines, Docket No. DMA-927 (Lead-Zinc), Contract Idm-E285

The contract in this case provides for a project cost of $16,038, of which the Government's participation is 50 percent, or $8,019. Through July, the Government's participation amounted to $7,095.46. It is therefore presumed that the Government's contribution was fully made during August and September.

This Amendment No. 4 prepared in the field, and executed on September 18, 1953, provides for additional work and contains the usual proviso that the estimated total cost of the project will not be increased. No indication is given as to what work is to be eliminated or as to where the money for the additional work is coming from. On August 20, 1953, comment on the high cost of this project was made to the field. This amendment having been executed nothing much can be done about it, but I thought that this case should be brought to your attention.

Albert E. Kane

for J. L. Hofflund
Chief Counsel

AEKane/ema
cc: Mails & Files
~~Field Reg. IV~~ Op. Comm.
W. R. Griswold
A. E. Kane
J. L. Hofflund
Chron.

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

224 New Customhouse
Denver 2, Colorado

September 18, 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMA 927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah

Enclosed are the original and two copies of Amendment No. 4 to the subject contract which we have executed to authorize the cutting of an 8-foot sump hole and a slusher station at the bottom of the winze. 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 sets of data relevant to the amendment.

W. H. King
W. H. King

Enclosures

Coe
9-25

RECEIVED
OCT 6 1953
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

September 4, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah.

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 July 1953, pertaining to DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

August 26, 1953

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 927 (Lead-zinc), Contract Idm-8285, American Fork Consolidated Mines Co., Utah County, Utah. Operator's request for contract amendment

Enclosed are six copies of a letter received from the subject contractor requesting an amendment to allow additional work items under the contract. Copies of a memorandum prepared by the inspecting engineer are included.

It is recommended that the operator's request be granted.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

S. R. Wilson

August 25, 1953

M. H. Howes

Docket No. DMA 927 (Lead-Zinc), Contract Ida-2285, American Fork Consolidated Mines, Utah County, Utah. Memorandum report on request for contract amendment.

The American Fork Consolidated Mines has made application for an amendment to Contract Ida-2285, for authority to cut a station at the bottom of the shaft with room for the working of a slusher, and to sink a pump sump 8 feet deep, all to be made effective July 1, 1953.

The contract allows a drift to be driven northeasterly from the bottom of the winze. The company plans to muck with a slusher. For efficient operation, the double drum hoist should be installed on the opposite side of the winze from which the drift is to be driven so that the skip can be filled by direct pull and dump of the slusher. In order to do this, it will be necessary to cut a shaft station for a distance of approximately 8 feet to the southeast.

To handle seepage water from the winze and the drift to best advantage, a pump sump should be driven about 8 feet deep from the bottom of the winze.

It is recommended that the above request for amendment be approved and that it be made effective as of July 1, 1953.

M. H. Howes

M. H. Howes

Salt Lake City, Utah
August 17, 1953

Mr. W. H. King
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 927
Contract No. Idm-E285

Dear Sir:

The contract did not make provision for the cutting of station at bottom of shaft, the sinking of a sump hole 8 feet, the placing of water pumps, or for the working of slusher. Therefore, we request that the contract be amended to provide authority for the necessary work effective July 1, 1953.

Yours truly,

Wells J. Robertson

Wells J. Robertson, Sec.

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

224 New Customhouse
Denver 2, Colorado

August 24, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines, Utah County, Utah

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 May, 1953, pertaining to DMEA Docket 927, Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah.

W. H. King

Enclosures

es

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

140

FILE COPY
SURNAME: CG

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

AUG 20 1953

Griswold
AEKane
Rubin
Chambers
Martin
Selfridge
Hoffmann
Martin
Selfridge

Rewritten by
Ch. Counsel

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

Re: Docket No. DMEA-927
(Lead-Zinc)
American Fork Cons. Mines
Utah County, Utah
Contract No. Idm-E285

Dear Mr. King:

In your memorandum to the Administrator of August 4, you question the propriety of the costs incurred for the months of April, May, and June 1953; state that you are withholding the processing of the accounts for May and June, and ask advice "as to the proper procedure."

The contract, dated March 25, 1952, written on an old form, allows 60 days for commencing and 8 months for completing the work. Amendment No. 1 increased the time for completing to 2 years, and Amendment No. 2 increased the time for commencing to 465 days.

The estimated cost of the work is $16,038, of which the Government is obligated to contribute one-half, or the sum of $8,019. The vouchers for the months of April, May, and June total approximately $11,200, and we presume that the total allowable under the contract has been reached.

The long extension of time granted for the performance of the work, coupled with the statement in your letter that "considerable difficulty has been experienced in this operation, mainly water and bad ground," indicate that what would otherwise be excessive costs for the work accomplished may in this case be justified. At any rate, at this late date, without a careful analysis of the necessity for these unusually high costs, the Government could hardly justify a termination of the contract on this ground or a disallowance of the costs that have accrued to date.

It was apparent from the April voucher that the costs were running high, and we cannot understand why they were allowed to continue up to the date of your memorandum at steadily increasing higher rates, without making some investigation as to the cause and the propriety of allowing them. If it had been the Government's intention to object to or to disallow such high costs, it should have made some representation to this effect to the contractor rather than to have stood by without making any objection.

Unless, upon an investigation of the project, it is found that the costs incurred are improper and unjustifiable under the circumstances of the particular case, it seems to us that the Government is bound to contribute its pro rata share within the limit of the total estimated cost. This conclusion is fortified by the fact that this is a 50-50 contract, and the Operator presumably is spending as much money of its own as the Government is contributing.

We trust that in the future, when costs on a given project appear to be running inordinately high, an investigation will be made to determine the cause, and action taken accordingly.

Sincerely yours,

W. S. Martin
ESY

ACTING Chairman, Operating Committee

Approved:

C. H. Johnson
ESY
Member, Bureau of Mines

Dan Larrabee
By ESY
Member, Geological Survey

WRGriswold:JLH:ep 8-18-53

Copy to: Mails & Files
Admr. R. File
Oper. Comm.
Base Metals (2)
Mr. Kinkel
Mr. Bishop
Mr. Hofflund
Mr. Kane
Chron.
Pending

HHK
8-20-53

FILE COPY
140 SURNAME:

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

Rewritten by Ch. Cnsl

Griswold
Kane
Martin
Chamberlin
Martin
Selfridge

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

Re: Docket No. DMEA-927
(Lead-Zinc)
American Fork Cons. Mines
Utah County, Utah
Contract No. Idm-E285

Dear Mr. King:

We have your memorandum (signed by Mr. John F. Shaw) of August 4, 1953, to Mr. Mittendorf regarding the above contract, in which the Operator's excessive charges are noted. It is quite obvious that we cannot accept the preposterous May and June charges of $232.16 and $339.19 per foot, respectively, for a small winze going only to a depth of 50 feet.

Two courses of action are possible: either the contract must be amended to an agreed unit-cost basis, with $80.00 per foot for the winze and $30.00 per foot for drifting (to balance the available total sum); or it must be terminated on the ground that the Operator has failed to prosecute operations pursuant to the terms of the contract in that he has failed to perform the work efficiently, expertly, and in a workmanlike manner.

We would suggest that you so advise the Operator, stating that we shall allow only $80.00 per foot of winze as of May 1, and shall disregard the May and June charges submitted. In the event the Operator will not agree, then the contract should be terminated.

Sincerely yours,

W. S. Martin ES

Approved: ACTING Chairman, Operating Committee

J. H. Hedges ES
Member, Bureau of Mines

A. R. Kinkel, Jr. ES
Member, Geological Survey

WRGriswold/AEK:ep 8-11-53

Chron.
Pending

Mr. Kinkel
Mr. Bishop
Mr. Hofflund
Mr. Kane

Copy to: Mails & Files
Adm. R. File
Oper. Comm.
Base Metals (2)

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

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 21 1953

224 New Customhouse
Denver 2, Colorado

August 19, 1953

Original to Betty

AIRMAIL

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah

Reference is made to our memorandum to you, dated August 4, 1953, concerning the high cost of shaft sinking on the subject property.

Mr. Wells J. Robertson, Secretary of the American Fork Consolidated Mines, was in the Region IV office in Denver today and submitted letters which clarify the shaft sinking costs to date.

On the basis of these letters, a copy of which is enclosed, this office has determined that the costs as submitted are allowable and payment for May and June has been made as of this date.

W. H. King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

August 4, 1953.

Memorandum

To: T. A. Christensen
Secretary to the Operating Committee (2)
Stephen R. Wilson

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah. Liability Insurance Rate.

Enclosed is your copy of a letter from the Insurance Commissioner of the State of Utah establishing the Liability Insurance rate in effect at the present time for the subject property.

for John F. Shaw
W. H. King

Enclosure

FORM P-1

SUBMIT ORIGINAL

REFERENCE 9444

EMPLOYER'S PAYROLL AND PREMIUM REPORT

TO

THE STATE INSURANCE FUND
105 STATE CAPITOL
SALT LAKE CITY 1, UTAH

IMPORTANT
Please notify the fund of any change of ownership of the business.

American Fork
Consolidated Mines
405 Dooly Bldg.
City 1

DO NOT WRITE IN THIS SPACE	
CHECKED BY	INVOICE
DATE	CREDIT

PERIOD May 1 to May 31

(SEE REVERSE SIDE FOR INSTRUCTIONS)

CLASS NO.	CLASSIFICATION OF WORK (REFER TO YOUR INSURANCE POLICY)	AVERAGE NO. OF EMPLOYEES	TOTAL PAYROLL DURING PERIOD	RATE	PREMIUM (PAYROLL X RATE)	DO NOT WRITE IN THESE COLUMNS O D	W C
1164	Mining			.04853		.786	4.067
8742	Salesmen			.00186		.010	.176

TOTAL PAYROLL

PREMIUM DUE

ADJUSTMENTS
ADD INVOICE NO.

DEDUCT CREDIT MEMO NO.

AMOUNT OF REMITTANCE

CERTIFICATE

I CERTIFY THE ABOVE TO BE A TRUE AND CORRECT REPORT OF THE ENTIRE REMUNERATION OF (OUR) (MY) EMPLOYEES FOR THE PERIOD STATED INCLUDING THE VALUE OF BOARD AND LODGING, BONUSES, OR COMMISSIONS.

EMPLOYER

BY

NOTICE—REMITTANCE MUST ACCOMPANY THIS REPORT AND BE MAILED TO THE STATE INSURANCE FUND NOT LATER THAN 15 DAYS AFTER THE END OF THE PERIOD COVERED BY THIS REPORT.

RETURN THE ORIGINAL OF THIS FORM WITH YOUR REMITTANCE. THE DUPLICATE SHOULD BE RETAINED FOR YOUR FILES.

INSTRUCTIONS

Your policy provides coverage under the Workmen's Compensation Act and the Occupational Disease Act of the State of Utah. For your convenience in reporting the rates applicable to each coverage have been combined for each pay roll classification. The premium is calculated by multiplying the pay roll for each class by the rate as illustrated below:

CLASS NO.	CLASSIFICATION	NUMBER OF EMPLOYEES	TOTAL PAY ROLL	RATE	PREMIUM
5403	Carpentry	5	$8,294.03	.0143	$118.60

The total premiums plus or minus the amount of any invoices or credit memos shown as adjustments on this form should be the amount of your remittance. The original of this form should be returned to the State Insurance Fund with your remittance.

Do not delay your report and remittance in the event you have added workmen in an employment classification for which rates are not shown. Give a full description of the work performed by these employees and the amount of payroll in the blank spaces below the listed classifications. This office will determine the appropriate rates and bill you for the balance of the premium.

The pay roll of all Executive Officers of a corporation shall be included in the report, subject to a ***minimum*** individual salary of $150 per month. The salary of each Executive Officer shall be assigned to the classification of work in which such Executive Officer is primarily engaged; provided, however, that the salary of each Executive Officer who performs such duties as are ordinarily performed by a superintendent, foreman or workman, or whose duties include direct charge of the actual performance of any operations of the risk, shall be assigned to the highest rated classification which is applicable to any such duties undertaken by such Executive Officer for any part of his time.

Room and lodging furnished an employee must be included as pay roll expenditure. In the event that such values have not been established, then the minimum amounts which shall be included with wages to represent monetary value of board and lodging shall be as follows:

For Board 75 cents per day per employee or 25 cents per meal if less than three per day.

For lodging $2.00 per week per employee.

Commissions or bonuses paid under contract of hire must also be included and premium paid thereon.

If you hire men with teams or trucks, give as pay roll only the actual value of teamster or chauffeur services, if agreed upon. If no wage is agreed upon, take 50% of total as the man's wages.

If the employer is a partnership, any partner devoting full time to the partnership business may be covered as an employee under this policy at a salary or wage rate of $250.00 per month. Request should be made to the State Insurance Fund if this coverage is desired.

Please communicate with us if there is anything you do not understand and we shall be pleased to furnish further information.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
224 New Customhouse
Denver 2, Colorado

Defense Minerals Administration
RECEIVED
AUG - 5 1953

Memorandum August 4, 1953

To: C.O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA-927 (Lead-Zinc), Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah - Shaft Sinking Costs

Monthly reports submitted by the operator for reclaim of the Government participation of costs incurred for shaft sinking operations under the subject DMEA contract to date show the following:

April 1953

A total of $4329.32 was claimed for 25 feet of shaft sinking. This gives a rate per foot of advance of $173.17. Of the total amount claimed, $828.08 was disallowed, which reduces the rate per foot to $140.05. Payment was made on this report as it was considered that the excessive costs were due to the beginning of operations, etc., and that the overall rate would show a decrease from this initial claim.

May 1953

Operator's revised report for May makes claim for $3482.38 for 15 feet of shaft sinking. Rate for this month is $232.16 per foot.

June 1953

June claims total $3392.88 for 10 feet of shaft, or at a rate of $339.29 per foot. A total of 130 man shifts of labor was charged to this 10 feet, which gives a rate of .077 feet per shift. This rate is exclusive of supervision.

Considerable difficulty has been experienced on this operation, mainly water and bad ground, but the costs to date are considered to be very excessive. We are withholding processing of accounts for May and June 1953 pending advice from you as to the proper procedure.

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

Approved
Betty

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

224 New Customhouse
Denver 2, Colorado

June 22, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines Company, Utah County, Utah

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 month of April 1953, pertaining to DMEA Docket No. DMEA 927, Contract Idm-E285 (Lead-Zinc), American Fork Consolidated Mines Company, Utah County, Utah.

W. H. King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

June 17, 1953

Memorandum

To: C.O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 3 to Contract Idm-E285, Docket DMA-927, American Fork Consolidated Mines (Lead-Zinc)

Enclosed are the original and two copies of Amendment No. 3 to Contract Idm-E285. 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 and three copies of a memorandum from a Bureau of Mines engineer approving this amendment.

W. H. King

W. H. King

Enclosures

RECEIVED
JUN 30 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

cc
6-27

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

June 3, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-927, Contract Idm-8285, American Fork Consolidated Mines Co. Amendment request submitted by operator

Attached are six copies of a letter received from the subject company requesting amendments to the existing contract. Comments by the inspecting engineer are included.

The permissible wage rate of $12.50 per day is too low under present conditions. The operator asks that this rate be raised to $16.65 per shift.

The contractor has requested permission to purchase a deep-well pump at a cost of $1,585. The contract permits purchase of a submersible pump at a cost of $412. It is believed the present pumping facilities plus the possible addition of the submersible pump allowed by contract, will be sufficient to conduct the present project.

It is recommended that the contract be amended to permit a wage rate of $16.65 per shift, retroactive to March 28, 1953. It is believed that project work may be properly conducted with present allowable pumping facilities. Purchase of the deep-well pump, therefore, is not recommended.

Stephen R. Wilson
Stephen R. Wilson

Enclosures 2

S. R. Wilson June 2, 1953

M. N. Howes

DMEA-927, Contract Idm-E285, American Fork Consolidated Mines, Utah County, Utah. Memorandum report on request for contract amendment

The American Fork Consolidated Mines has made a request for an amendment to contract Idm-E285, which would allow the company to increase the wage rate for mine labor from $12.50 per day to $16.65 per day, and to purchase a deep-well pump at a cost of $1,585.00 instead of a submersible pump at $412.00.

Wage rates have increased considerably since the company made application for a Government loan early in 1951, and the present rate of $16.65 per day is considered to be reasonable.

It is reported that the flow of water from the winze at the present time is 50 g.p.m. The peak seepage into the mine from snow runoff occurs from June to September, and during this time the flow from the winze will increase considerably. It will therefore be necessary to increase the capacity of the present pumping facilities. The company proposes to purchase a 200 g.p.m., 200-foot head, deep-well type pump at a cost of $1,585.00, which would be of ample capacity to handle the increased flow of water, and being installed above the water level, would be able to unwater flooded workings that might occur because of infrequent power failures.

It is believed that the exploratory project can be accomplished with the pumps on hand, or with the possible addition of the submersible pump allowed in the contract. The company has two extra I.R. motor pumps on hand, which can handle any normal increase of water flow in the winze area. By working two or three shifts per day instead of one, the exploratory work could be materially speeded up and thereby the pumping cost could be reduced. At the same time, supervision of the pumping operation could be accomplished without the necessity of employing extra pump men. The purchase of an expensive, deep-well pump at this time, before an economic ore body has been discovered, does not appear to be feasible.

M. N. Howes
M. N. Howes
SRW

May 15, 1953

Mr. Stephen R. Wilson,
Utah-Wyoming Mining Division,
Bureau of Mines,
Salt Lake City, Utah.

Dear Sir:

Due to changed conditions in our Labor Schedule in the exploration program, from the proposed $12.50 to $16.65 for an 8-hour shift, and the need for a deep-well pump instead of the submersible pump as contemplated, involving a cost of $1585.00 instead of $412.00, we, accordingly, request an amendment to the Loan Schedule to provide for the increased expense, effective as of March 28, 1953.

The reason for the need of the deep-well pump is, that sometimes the power goes off, causing a flooding of the mine, which has occurred before, in which event the submersible pump would be ruined, whereas the deep-well pump would not be affected.

Very truly yours,

AMERICAN FORK CONSOLIDATED MINES,

By Frank Robertson
Secretary & Treasurer

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

224 New Customhouse
Denver 2, Colorado

March 17, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 20 1953

Memorandum

To: C.O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 2 to Contract Idm-E285, Docket DMA 927, American Fork Consolidated Mines

Enclosed are the original and two copies of Amendment No. 2 to Contract Idm-E285. Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our file.

This amendment has been prepared to correct an oversight when Amendment No. 1 was prepared. Justification for the extension of the starting time was submitted with Amendment No. 1.

W. H. King

W. H. King

Enclosures

cc
3-20

RECEIVED
MAR 27 53
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
~~1952~~ 1953

224 New Customhouse
Denver 2, Colorado

December 29, 1952

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 1 to Contract Idm-E285, Docket DMA 927, American Fork Consolidated Mines

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E285. 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 and three copies of a memorandum by a Bureau of Mines engineer recommending this amendment.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

November 28, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMEA-927, Contract Idm-X285, American Fork Consolidated Mining Co., Utah County, Utah

Enclosed are the original and five copies of a letter received from the subject company requesting an extension of time under terms of the contract.

The company was beset with difficulties in reaching the starting point of work established under the contract. Considerable caving in the main adit prohibited actual winze sinking as called for in the contract, and resulted in expenditure of company funds originally appropriated for the DMEA work.

The duration of the contract is 8 months from the effective date, March 25, 1952; thus the present expiration date is November 25, 1952. It is suggested that the contract be amended to recess the project until July 1, 1953 and provide 8 months thereafter for completion.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

COPY

AMERICAN FORK CONSOLIDATED

MINES

405 Dooly Building

Salt Lake City 1, Utah

November 20, 1952

Mr. Stephen R. Wilson

Mining Div. of Utah

Dear Sir:

Due to the unforeseen conditions, such as the heavy winter and spring of 1952, which necessitated a large expenditure of money in repairing building, cleaning out cave in main tunnel of mine and retimbering of the same, it has exhausted a greater portion of our present capital to carry out the exploration program at present time.

Therefore, we are asking if the time could be extended until July 1953 to carry forward the exploration set up in the DMA loan.

Trusting this extension can be granted, we remain

Very truly,

AMERICAN FORK CONS. MINES

/S/ Per Wells J. Robertson, Sec.

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

224 New Customhouse
Denver 2, Colorado

June 18, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration
Attention: Code 210

From: Field Team, Region IV

Subject: Final Report, DMA Docket 927, (Lead-Zinc) American Fork Consolidated Mining Co., Utah County, Utah

Enclosed are four copies of the final report on DMA-927.

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
RECEIVED
JUN 23 1952

500

FILE COPY
SURNAME:

Moulds

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

MAY 1 1952

Mr. J. H. East, Jr.
Executive Officer, Region IV
DMEA Field Team
224 New Customhouse Building
Denver 2, Colorado

Re: Docket 927, Lead-Zinc
American Fork Consolidated
Mines.

Dear Mr. East:

We are returning herewith two copies of the subject contract transmitted by your office.

The contract has been registered as Idm-E285, and distributed except for the enclosed copies designated "Operator's Copy", and "Field Team's Copy", which are to be distributed as designated.

Sincerely yours,

D. E. Moulds (sgd) ce 5/1

D. E. Moulds, Chief
Base Metals Division
Defense Minerals Exploration
Administration

DEMoulds/hmj
5-1-52
CC to: Adm. Reading File
Docket File Copy
Region IV
Mr. Moulds

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

224 New Customhouse
Denver 2, Colorado

March 26, 1952

REGISTERED MAIL

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Contract, Docket 927, American Fork Consolidated Mines, Salt Lake City, Utah

Enclosed are the original and five copies of a contract between the Government and the American Fork Consolidated Mines. All copies have been signed by the Regional Director, Region IV, and by H. G. Blumenthal, President, American Fork Consolidated Mines. The corporate seal has been affixed to all copies of the contract.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

RECEIVED
APR 4 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

S.R.

FILE COPY
SURNAME:

100

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

DEC 29 1951

Memorandum

TO: Mr. J. H. East, Jr.
Executive Officer, Region IV

FROM: C. O. Mittendorf
Acting Administrator

SUBJECT: Docket DMA-928 - American Fork Consolidated Mining Co.
Your memorandum dated November 30, 1951 (Allsman for East).

I have personally reviewed your memorandum on the subject case and discussed the legal aspects with General Counsel. You will readily understand that it is impossible to advise you specifically as to the minimum limits of the block of ground which should form the subject of the Subordination Agreement, since we do not have a complete file in this case; nor are we fully conversant with any of its technical complexities.

It is recognized that no authority exists under Order 2653 to amend a contract which will increase the area of ground from which the repayment of an exploration loan will be made. Such authority was intentionally omitted, since problems of that nature were not intended to be handled by amendment. On the contrary, the minimum dimensions of the block of ground acceptable to the Government should be a prime consideration of the contract during its preparation.

On the basis of the information available to us at this time, it is the opinion of General Counsel that no legal problem is involved which is in conflict with Order 2653. It is noted from the map which you furnished that the proposed project will consist of driving a drift for the full length of a small block of ground containing approximately 2½ acres. This appears to us to be an unusually small block of ground to support an exploration project in the amount requested. We agree with you that the block of ground should extend considerably beyond the limits of the work proposed under the exploration contract. My only constructive suggestion at this time is that you require an extension of the area which is acceptable, in your judgment, and that same be agreed to prior to the execution of the contract. The only alternative to this suggestion would be to transmit the entire docket to this office for a more complete review.

C. O. Mittendorf (fw)

DEMoulds/C Mittendorf/lm/fw
12/27/51

cc: Admr. Reading File
M&F
Mr. Mittendorf
Mr. McKnight
Mr. Bishop
Field Team Reg.IV
Docket
Mr. Moulds

JH 12-29

OFFICE OF THE ADMINISTRATOR

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

224 New Customhouse
Denver 2, Colorado

December 7, 1951

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: DMA Docket 927, American Fork Consolidated Mining Company

Replying to your letter dated November 30, 1951, regarding the above application, the preparation of the contract has been awaiting the receipt of copies of the Landlord's Subordination Agreement and copies of the lease. On December 3, 1951, this office received copies of the Landlord's Subordination Agreement and a map limiting the block of ground covered. A copy of this map is enclosed. Limiting the ground in this manner conflicts with Article 15 "Repayment by Operator", Form MF-200.

The contract could be amended to provide for a limitation of the area involved in the repayment, but this office believes that the block should be considerably larger than the one shown on the enclosed map. The block of ground should extend at least 500 feet beyond each end of the proposed drift, and it should extend at least 100 feet below the proposed work.

The authority for an amendment such as that described above is not included in Order No. 2653. If it is considered advisable to permit the repayment of royalties to be limited to a reasonable block of ground, we would like to have the dimensions of the minimum block of ground acceptable so that we may see if it is agreeable to the landlord.

P. T. Allsman, for
J. H. East, Jr.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
DEC 10 2:09 PM '51

RECEIVED
DEC 14 1951
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

140

FILE COPY
SURNAME:

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

December 17, 1951

Memorandum

To: Acting Administrator

From: Chief Counsel

Subject: American Fork Consolidated Mining Company — DMA Docket 927

On December 14 there came in the mail to this office the attached memorandum dated December 17, Allsman for East, to the Acting Administrator, and attached copies of correspondence and a map. This is the first record we have had in this office of this DMA Docket No. 927, there does not seem to be any legal problem involved and I am returning these papers to you.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

N.S
R+R

Attachment

JLHofflund/bjl

Copy to: Repts. & Records
J. L. Hofflund
Chorn.

BL

FILE COPY
SURNAME:

adams
Mittendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C. Code 210

NOV 30 1951

Mr. J. H. East, Jr.
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: DMA-927
American Fork
Consolidated Mines

Dear Mr. East:

There is enclosed a copy of my reply to the American Fork Consolidated Mines regarding the status of its application, Docket No. DMA-927.

It is noted in your memorandum of October 10, 1951 to the Executive Secretary that application for the American Fork Consolidated Mines had been approved and was being processed for $16,038. We have not as yet received the contract covering this application.

Sincerely yours,

C. O. Mittendorf (for) 11/30

Acting Administrator
Defense Minerals Exploration
Administration

Enclosure

READAMS/hb

Copy to: Administrator's Reading File
Mr. Mittendorf
Reports and Records
DMA Files
Docket ✓

FILE COPY
SURNAME:

Adams
Mittendorf

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

Code 210

Mr. Wells J. Robertson
Secretary & Treasurer
American Fork Consolidated Mines
408 Dooly Building
Salt Lake City 1, Utah

Re: DMA-927

Dear Mr. Robertson:

This will acknowledge your letter dated November 13, 1951, regarding action on your application, Docket No. DMA-927.

Please be advised that your application is being processed by the Defense Minerals Exploration Administration field team, Region IV, in Denver, Colorado. Further information on the status of your application may be obtained from Mr. J. H. East, Jr., Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado.

Sincerely yours,

C. O. Mittendorf (for) 11/30

Acting Administrator
Defense Minerals Exploration
Administration

READAMS/hb

Copy to: Adm. Reading File
Mr. Mittendorf
Mr. J. H. East, Jr., Reg. IV
Mr. Moulds
DMA Files ✓
Docket

H. G. BLUMENTHAL,
PRESIDENT

N. J. NIELSEN
VICE PRES. & MANAGER

AMERICAN FORK CONSOLIDATED MINES

405 DOOLY BUILDING
SALT LAKE CITY 1, UTAH

WELLS J. ROBERTSON,
SECRETARY & TREASURER

November 13, 1951

Reply by Adams for Mittendorf 11/29/51 HB

Mr. Tom Lyon, Director
Supply Division, Defense
Minerals Administration,
Washington, D. C.

Dear Sir: RE: Docket DMA-927

In order that we may make plans for our winter campaign at the mine, it is necessary that we know as soon as possible when we may expect funds with which to proceed, in accordance with the above application.

So far as known to us, all papers have been filed and every requirement has been met.

An early reply would be appreciated.

Very truly yours,

Wells J. Robertson

Secretary, American Fork Consolidated Mines.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
Nov 15 9 01 AM '51

DMA RECEIVED NOV 2 0 1951

OFFICAL FILE COPY

Lead Zinc Br. Doc. 7008

RECEIVED
NOV 21 1951
Lead Zinc Branch

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 51951

October 10, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 927, American Fork Consolidated Mining Co., applicant, American Fork Lead-Zinc Mine, Utah County, Utah

The subject report has been approved by us and an exploration loan of $16,038.00 is being processed.

Your copies of the report and the brochure are being held here until the execution of the exploration project contract.

J. H. East, Jr.

A. H. Koschmann

OCT 16 1951

Mining Division
Region IV

October 9, 1951

Memorandum

To: DMEA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 927, American Fork Consolidated Mining Co., American Fork Lead-Zinc Mine, Utah County, Utah

The original application of the subject was for a development loan of $100,000 to purchase new equipment, liquidate a bond and lease, purchase supplies and operating capital. This application was later changed to a straight exploration loan.

Recorded shipments of ore from the American Fork Mine from 1911 to 1949 total 6,541 tons of ore averaging 32.4 percent lead and 3.04 percent zinc. Most of this production was from lenticular ore bodies localized in shoots in quartzite along the Pacific fissure.

There are no present mineable reserves in the mine, but the proposed program of exploration should lead to the discovery of a few thousand tons of shipping grade ore.

The proposed work consists of sinking the inclined winze an additional 50 feet, followed by 400 feet of drifting on the Pacific fissure at an estimated total cost of $16,038.

The examining team recommends approval of this loan, with which we concur.

The report contains the essential data for executing an exploration project contract.

Paul T. Allsman

Paul T. Allsman

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

1952

Reviewed by
DMEA OPERATING COMMITTEE
6-27-52
(date)

DEFENSE MINERALS ADMINISTRATION
WASHINGTON D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OCT 8 11 15 AM '51

224 New Customhouse
Denver 2, Colorado

October 4, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: DMA Docket 927, American Fork Consolidated Mining Company, Salt Lake City, Utah

This is in reply to your letter of October 1, 1951, with reference to the status of the above application.

The examination and reports are completed. However, the amount of the application was reduced to an amount below the $25,000 government participation. The engineering report has been returned to Salt Lake City for additional information to permit preparation of a contract in this office.

J. H. East, Jr.

J. H. East, Jr.

Mining Division
Date Rec'd.
OCT 8 1951
BUREAU OF MINES
Denver, Colorado

October 4, 1951

Memorandum

To: Paul T. Allsman, Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 927, American Fork Consolidated Mining Co., Utah County, Utah. Your memorandum of September 14, 1951

Enclosed are 8 copies of the subject report revised in accordance with your memorandum of above date. The Summary, Conclusions and Recommendations section is also attached.

The estimated cost of the proposed winze has been more closely broken down and the amount reduced. It appears the operator will be able to complete the winze on this basis. The estimate for drifting appears reasonable when compared to costs previously made for similar work on the property.

Rental of company-owned equipment has been removed from the report and depreciation inserted.

The brochure was submitted September 12, 1951.

Stephen R Wilson
Stephen R. Wilson

Enclosures - 2

350
FILE COPY
SURNAME:

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

G.E.P. - Billingsley, McKnight, Bishop

OCT 1 1951

DMA-927
Spring Lake Consolidated Mines
Salt Lake City, Utah
Lead-zinc

[illegible]
Executive Officer, [illegible] Region IV
[illegible] Building
Denver 2, Colorado

Dear [illegible]:

We have received a letter from the applicant requesting the status of their application.

According to our records the dossier covering this application was sent to you on April 9 and we understand you found the portal of their tunnel caved.

We wish you would get in touch with the applicant in order to have them make such provisions as will allow you to investigate the property and complete your field term report.

Very truly yours,

[illegible]
9/26/51

Donald Jones

Chairman, Coordinating Committee

Subject

[illegible]
For Bureau of Mines

Thayer
For Geological Survey

cc: Administrator
Deputy Administrator
Docket File DMA-927
Moon
Lyon
Pate
McKnight
Billings 2 copies to Mr. Best

8.F. 10-1

FILE C350
SURNAME:

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

SEP 27 1951

Billings
McKnight
Bishop

DMA-927
American Fork Consolidated
Mines Salt Lake City, Utah

Mr. Wells J. Robertson, Secretary
American Fork Consolidated Mines
405 Dooly Building
Salt Lake City 1, Utah

G.E.C.

Dear Mr. Robertson:

This is to acknowledge receipt of your letter of September 13, 1951 to Mr. Tom Lyon respecting the status of your application for an exploration loan Docket DMA-927.

We have not yet received the field team report covering your application. However, we were informed by the field that on visiting your property they found the portal of the tunnel caved.

We are dispatching a letter to the field team advising them to get in touch with you in order that they can complete their investigation and report necessary for the processing of the application.

Very truly yours,

BJ 9-27

T. P. Billings, Chief
Lead-Zinc Branch

TPBILLINGS:ks
9/26/51

cc: Administrator
Deputy Administrator
DMA Docket File 927
Moon
2 copies to Mr. East, Jr.
Mote
McKnight
Billings

H. G. BLUMENTHAL,
PRESIDENT

N. J. NIELSEN
VICE PRES. & MANAGER

AMERICAN FORK CONSOLIDATED MINES

405 DOOLY BUILDING
SALT LAKE CITY 1, UTAH

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.
SEP 17 11 04 AM '51

WELLS J. ROBERTSON
SECRETARY & TREASURER

Sept 13-1951

OFFICAL FILE COPY

To	In	Date
350	NB	9/17/51
210		

Mr Jon. Lyon Director
Supply Division
Defense Minerals Adm.
Wash. DC.

Dear Mr Lyon.

We would greatly appreciate if you would check - why we can't get any reply to our application for loan Docket (DMA 927).

With a little help now - we could be in production soon - this help is greatly needed now while we can assist in recovery of need - mentals.

Thanking you for any assistance you can get us.

Yours very Truly
American Fork Con. Mines
Wells J. Robertson Sec.

SEP 18 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

August 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 927, American Fork Consolidated Mining Co., Utah County, Utah

Enclosed are eight copies of the geologic report by W. E. Young of the U. S. Bureau of Mines and B. J. Sharp and J. W. Hasler of the U. S. Geological Survey covering the above docket.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
16 August 1951

Memorandum

To: A. H. Koschmann

From: Ralph J. Roberts

Subject: Docket DMA-927, American Fork Consolidated Mining Co., Utah County, Utah

Enclosed are eight copies of a geological report of an examination of the American Fork Consolidated Mining Company, Utah County, Utah, and one copy for inclusion in the Bureau of Mines report on Section on Geology for Summary, Conclusions, and Recommendations, Section on Geology for Proposed Exploration, and Section on Geology for Conclusions and Recommendations.

Production during recent years has come largely from the extensions of the older ore bodies at lower levels. There are fair chances that other ore bodies of commercial grade will be discovered during the proposed exploratory work. On the basis of past production and possibilities of discovery of new ore bodies on the lower levels, it is recommended that the Defense Minerals Administration enter into a contract with the company to complete the exploratory work as outlined in the attached report.

The Brochure will accompany the U. S. Bureau of Mines report.

I concur in the recommendations of the examining engineer and geologist that a contract be entered into with the applicant.

/s/ Bonnie M. Stagg

for Ralph J. Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA-927, American Fork Consolidated Mining Company

Utah County, Utah

W. E. Young, Mining Engineer
U. S. Bureau of Mines

B. J. Sharp and J. W. Hasler, Geologists
U. S. Geological Survey

August 15, 1951

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By J. W. Hasler, R. W. Osterstock,
B. J. Sharp, and W. E. Young

Property controlled by American Fork Consolidated Mining Co. was examined by members of the Bureau of Mines and Geological Survey during May 1951. The company has requested funds to conduct underground exploration on property in the American Fork district, Utah County, Utah.

Cambrian quartzite, shale and limestone have been cut by the Pacific fissure which strikes generally N. 45° E. and dips 50° to the northwest. Ores have been found in shoots along the Pacific fissure. Other fissures parallel the Pacific fissure in the hanging wall block. Recorded production from the property, dating from 1911, totals 6,541 tons averaging 32.4 percent lead, 3.04 percent zinc, 22.8 ounces silver, and .028 ounce gold per ton.

Production during recent years has been derived largely from extensions of ore bodies to the lower levels.

It is proposed that the present inclined winze be sunk an additional 50 feet to the projected intersection of the Pacific fissure and the hanging wall fissure. It is also proposed that 400 feet of drifting be done at this horizon. The total cost of the project is estimated at $16,038.

It appears unlikely that ore bodies comparable to those mined early in the history of the property will be found in the extension of the inclined shaft, but chances are fair that fissure ore may be disclosed along the strike of the zone. It is recommended that a loan of $16,038 be approved to conduct the proposed exploration.

GEOLOGY

The mine workings are mainly in the Tintic quartzite and the Ophir shale of Cambrian age. These rocks are cut by the Pacific fissure which strikes about N. 45° E. on the average and dips about 50° NW. The Lead fissure in the hangingwall strikes parallel to the Pacific fissure and dips about 60° NW and should intersect the Pacific fissure at a depth of about 440 feet. Both fissures are normal faults of rather small throw. A zone of crushed Tintic quartzite along the Pacific fissure ranges in thickness from several inches to several feet.

ORE DEPOSITS

The principal ore bodies that have been mines were localized in the crushed zone along the Pacific fissure. The Lead fissure has also been productive in places. The chief ore minerals of the mine are pyrite and galena with some sphalerite, cerusite, and tetrahedrite. The gangue minerals are quartz and barite.

Most of the ore produced from the Pacific fissure was in shoots in the quartzite that rake southwestward. Small lenticular bodies of high grade ore were found within larger low grade shoots. The ore so far extracted from this property was from an area 900 feet along the course of the vein and above and below the 300 level. Some of the larger shoots of shipping grade ore were as much as 150 feet long (along strike), 70 feet down dip, and were as much as 18 feet wide; their average thickness was about 5 feet.

A new stope on the 415 level is being worked at present. (See fig. 3) The ore zone in this stope is about 2 feet wide and consists mainly of

galena stringers in a crushed quartzite. The extent of this body has not been determined. There have been ten shipments of ore from this stope totaling 111 tons which grossed $6,468.40 and had an average value of $58.20 a ton. This ore averaged 31.9 percent lead, 3.04 percent zinc, 7.93 oz. silver, and .0075 oz. gold.

ORE RESERVES

There is little ore blocked out in the mine at present. The new stope on the 415 level contains the only known ore of shipping grade in the property, and its extent is not known.

There is no definite basis for calculation of ore reserves in the block where exploration is proposed. The ore bodies on the lower levels so far discovered, are small and discontinuous. It is therefore expected that any new ore bodies that may be discovered during the proposed program may also be small and discontinuous, but it is inferred that there is a possibility of discovery of a few thousand tons in the block.

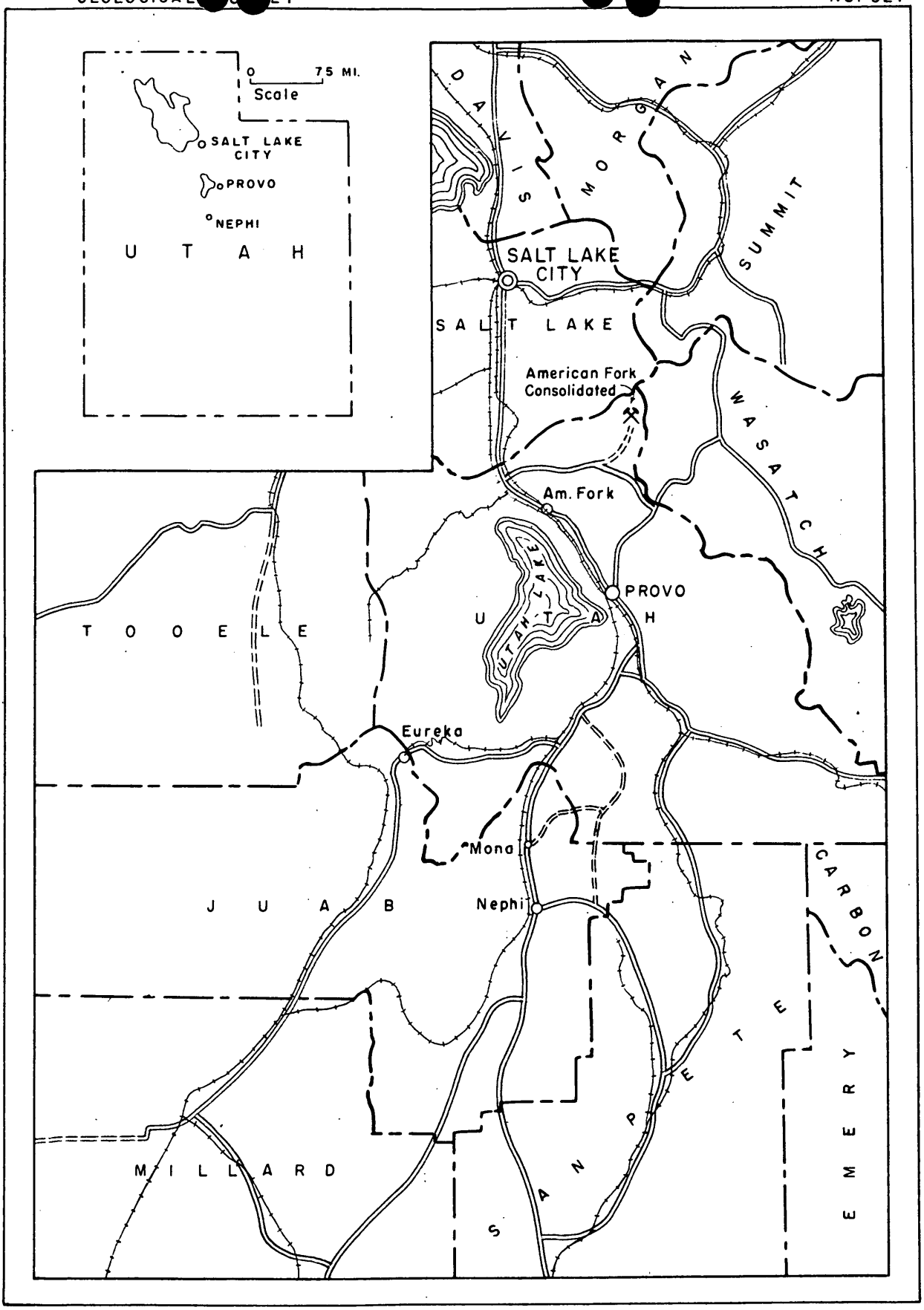
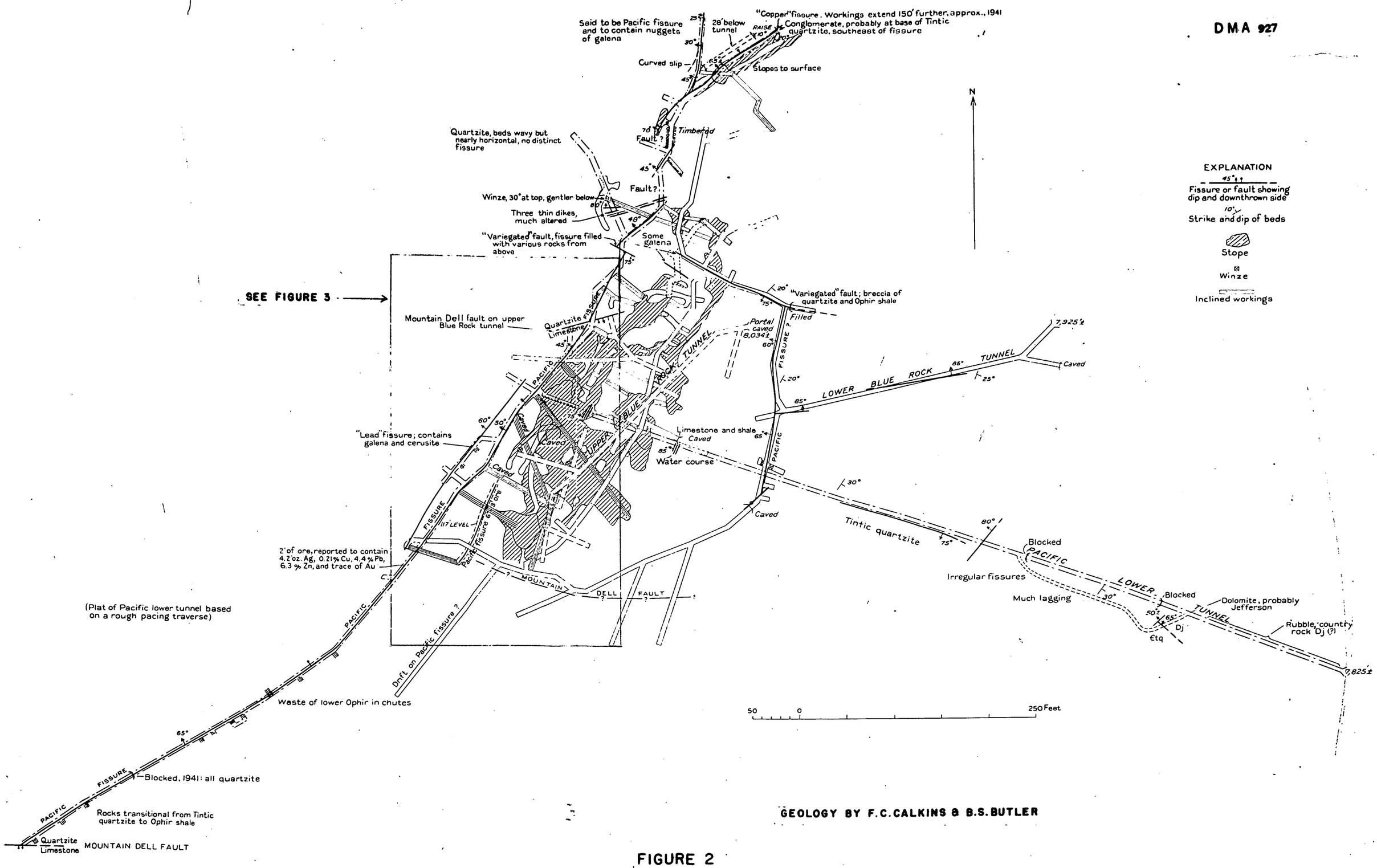


FIG. 1 INDEX MAP OF UTAH

0 5 10 15 20 MILES
Scale

DMA 927



GEOLOGY BY F.C. CALKINS & B.S. BUTLER

FIGURE 2

WORKINGS OF PACIFIC MINE

AMERICAN FORK MINING DISTRICT

UTAH COUNTY, UTAH

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS ADMINISTRATION
NO. 927

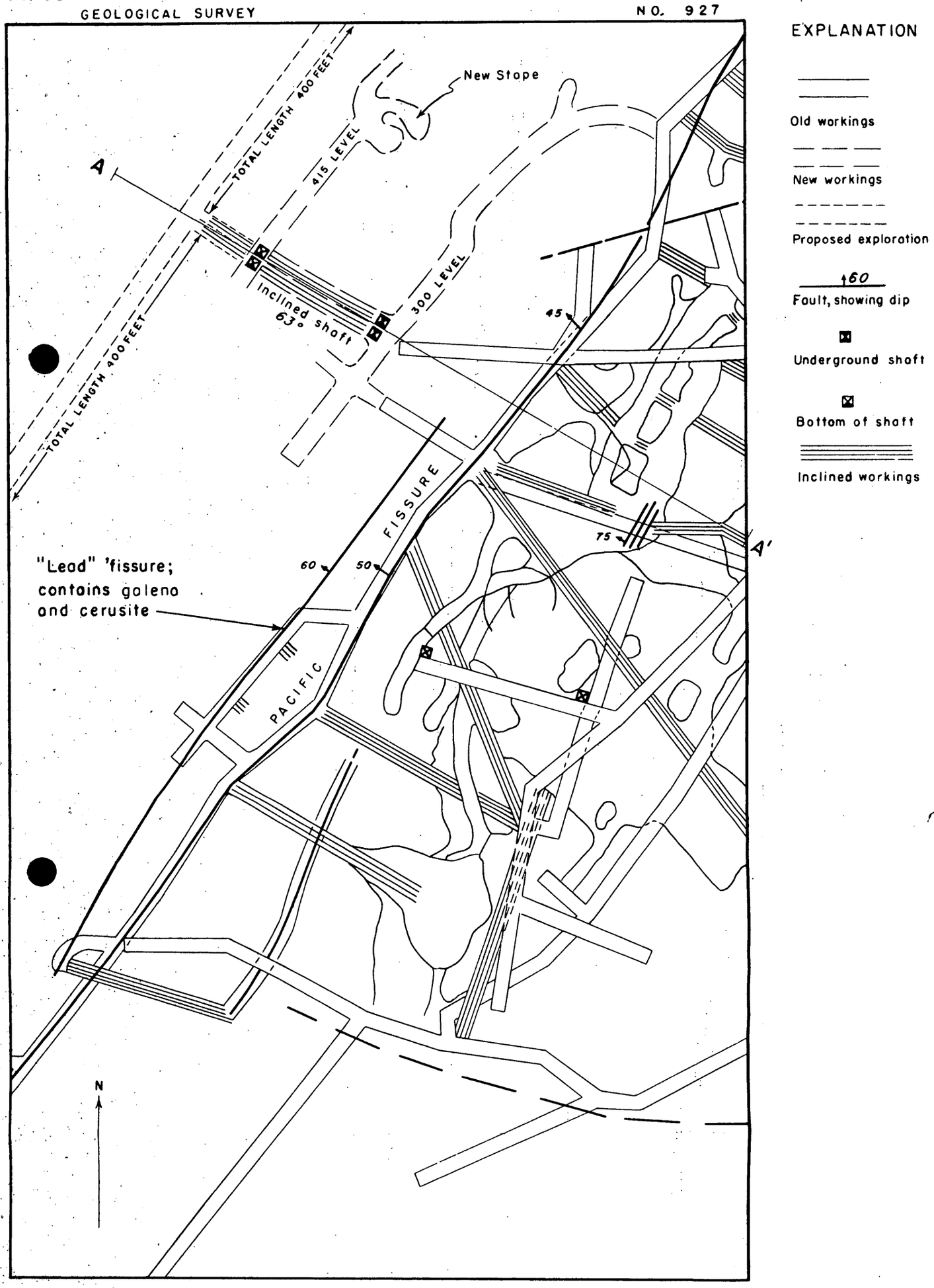


FIG. 3 DETAILED PLAN OF PROPOSED EXPLORATION, AMERICAN FORK CONSOLIDATED MINE, UTAH COUNTY, UTAH

0 50 100 FEET
Scale

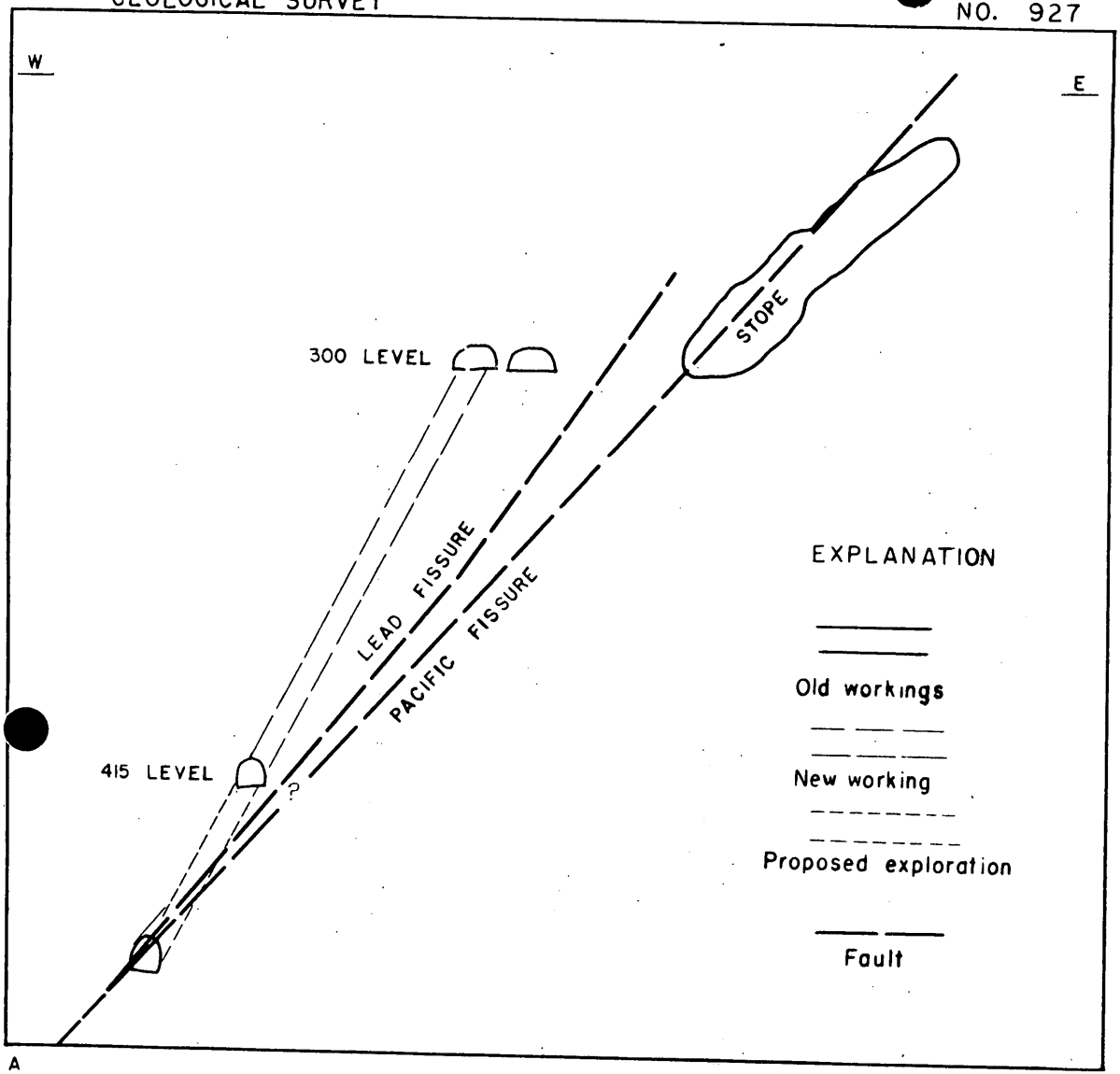


FIG. 4 SECTION SHOWING PROJECTED INTERSECTION OF PACIFIC AND LEAD FISSURES, AMERICAN FORK CONSOLIDATED MINE, UTAH COUNTY, UTAH

0 50 100 FEET
Scale

AMERICAN FORK CONSOLIDATED MINES CO.
UTAH COUNTY, UTAH

Engineering Report

By W. E. Young
Mining engineer
U. S. Bureau of Mines

AMERICAN FORK CONSOLIDATED MINES CO.
UTAH COUNTY, UTAH

CONTENTS

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Description of the deposits	3
Development	4
Minable ore reserves	5
Proposed work and costs	5
Conclusions	7
Recommendations	7

ILLUSTRATIONS

Fig. 1 Location map, American Fork Consolidated Mines property, Utah County, Utah

INTRODUCTION

The American Fork Consolidated Mines Co., with property in Utah County, Utah, made application for a development loan of $100,000, Docket DMA 927, to purchase new equipment, liquidate bond and lease, purchase operational supplies and provide working capital. The applicant later changed the request to a straight exploration type loan on a matching funds basis. An examination was made on the property May 22, 1951, by J. W. Hasler, R. W. Osterstock, and B. J. Sharp of the U. S. Geological Survey and W. E. Young of the Bureau of Mines. The men of the Geological Survey spent May 23 at the mine making additional surveys.

LOCATION AND ACCESSIBILITY

The property is in the American Fork district near the mouth of Dry Fork, Utah County, Utah (fig. 1). It covers parts of secs. 30, 31, 32, and 33 of T. 3 S., R. 3 E., S.L.B.M. An oiled surface road extends from the valley up American Fork Canyon. Seventeen miles of graded road connects the mine to this oiled highway. The upper part of this road is normally blocked by deep snow for extended periods during the winter.

Living accommodations are available at the mine for as many as 20 men. Housing facilities are available for men with families. A grade school has existed in the past for the benefit of the community. Sufficient labor is available from surrounding farming

communities. The mine is equipped with necessary buildings and equipment for full-scale operation.

PROPERTY OWNERSHIP

The American Fork Consolidated Mines Co. owns 13 mining claims and holds a lease and bond on 25 others. H. G. Blumenthal is president, N. J. Nielson is vice-president, and W. J. Robertson is secretary of the company.

HISTORY AND PRODUCTION

Production records date from 1911, but it is believed the mine was first operated and produced as early as 1905. Recorded shipments (1911 to 1949) total 6,541 tons, with an average assay value of 32.4 percent lead, 3.04 percent zinc, 22.8 ounces of silver and .028 ounce of gold per ton.

DESCRIPTION OF THE DEPOSITS

The rocks involved in the area are Cambrian quartzite, shale, and limestone which have been cut by the Pacific fissure. This fissure strikes generally N. 45° E. and dips 50° to the northwest. It is reported that the main body of ore on the upper levels was found on the contacts between the quartzite and shale and quartzite and limestone. Minor ore shoots have been mined which extended down the dip of the fissure into the quartzite. Other fissures parallel the Pacific fissure in the hanging wall block. They dip more steeply and are thought to be sympathetic breaks feathering from the main Pacific fissure. Ore shoots pitch southwesterly and occur irregularly

along the course of the fissures. The high-grade ores are found as pipes or lenses enclosed by larger encasements of lower grade ore. Large zones along the fissure between ore shoots are unmineralized or too low in grade to be of economic importance.

DEVELOPMENT

The mine is developed by three main adits from the surface, each successively at a lower elevation. The lower adit is the present access to the mine, cutting the Pacific fissure about 925 feet from the portal. The first 400 feet passes through loose rubble and unconsolidated material which is heavy ground and has caved several times, blocking the portal. About 1,500 feet of drifting has been done on the Pacific fissure on the main level. Most of the mineralized area above the tunnel level has been mined. Maps of this work are inadequate and much of the area is now caved. Two main winzes have been sunk below the main level, and at several other places ores have been stoped below level, but the stopes are now inaccessible. The present working winze has been sunk to a depth of 115 feet on a hanging wall fissure at a dip of 63°. It is located directly down dip from the main zone of mineralization. Approximately 50 feet of drifting has been done on the hanging wall fissure on the 400-foot level. A small shoot of ore was encountered about 40 feet north of the incline. This has been mined above the level for about 40 feet.

MINABLE ORE RESERVES

There are no measured ore reserves at the mine. Possibly some ore exists between the 300-foot level and the surface. Most of this area is now caved and inaccessible. There are no records available which indicate the grade of the remaining ore. The small shoot of ore being mined from the 400-foot level may extend to the surface. This ore is in the hanging wall fissure and was not cut on the 300-foot level so far as is known. This shoot is too small to economically mine alone.

PROPOSED WORK AND COSTS

It is proposed that the inclined winze be sunk an additional 50 feet to the intersection of the hanging wall fissure and the Pacific fissure . (See figures 2 and 3 of the Survey report.) The cost of the sinking is estimated to be $85.95 per foot, as follows:

Labor

150 man-shifts at $12.50 (3 men on 2 shifts for 25 working days)	$1,875.00	
Foreman's salary - 1 month	500.00	
OAB and insurance	237.50	
Total	$2,612.50	$2,612.50

Supplies

Timber - 4,400 board feet at $100	$ 440.00	
Powder, 1,300 pounds at $21.50 per 100	279.50	
Caps - 1,000 at $21.60 per 1,000	21.60	
Fuse - 6,240 feet at $1.32 per 100 feet	82.37	
Repair parts for equipment	50.00	
Total	$ 873.47	$ 873.47

Power

1 month at $600 (estimate)	$ 600.00	$ 600.00

Depreciation of Equipment

One month	$ 211.66	$ 211.66
Total		$4,297.63
Per foot		$ 85.95

After completion of the sinking, it is proposed that 400 feet of drifting be done along the Pacific fissure at the elevation of the bottom of the winze. The cost of the drifting is estimated at $23.27 per foot as follows:

Labor

300 man-shifts at $12.50 (3 men on 2 shifts for 50 working days)	$ 3,750.00	
Foreman's salary - 2 months	1,000.00	
OAB and insurance	475.00	
Total	$ 5,225.00	$5,225.00

Supplies

Timber - 10,600 board feet at $100	$ 1,060.00	
Powder - 5,000 pounds at $21.50 per hundred	1,075.00	
Caps - 2,000 at $21.60 per 1,000	43.20	
Fuse - 13,760 feet at $1.32 per 100 feet	181.63	
Repair parts	100.00	
Total	$ 2,459.83	$ 2,459.83

Power

2 months at $600 (estimate)	$ 1,200.00	$ 1,200.00

Depreciation of Equipment

2 months at $211.66	$ 423.32	$ 423.32
Total		$ 9,308.15
Per foot		$ 23.27

The property is equipped with several machinery items necessary for completion of the project. These are depreciated as follows:

Item	Fair Value
1 compressor, 75 h.p., 250 cfm, electrically driven	$ 5,000
1 electric hoist (adequate for sinking)	500
1 skip bucket for hoisting waste	250
2 jackhammers mounted on shells	750
1 haulage motor (compressed air)	4,000
1 drill steel sharpener	1,500
1 electric power saw for framing timber	500
Miscellaneous tools, steel and attachments	200
Total	$ 12,700

Depreciation over a period of 60 months

$$\frac{\$12,700}{60} = \$211.66 \text{ per month}$$

New equipment (over $50) needed for the proposed work is as follows:

1 submersible pump, 50 gals. per min., 150-ft. head	$ 412.00
1 sinker pump, 50 gals. per min., 50-ft. head	314.00
7 mine cars at $165	1,155.00
Mine rail, 12-pound, 900 feet	350.29
Pipe, 1" at $.1426 per foot, 450 feet	64.17
Pipe, 2" at $.3039 per foot, 450 feet	136.76
Total	$2,432.22

Sufficient water is present on the property for mine and camp use. Electric power is available through a transmission line already installed. No additional facilities or buildings will be required for the proposed work.

A summation of the estimated costs of the proposed work, based on an operation of 3 months, follows:

Labor and supervision	$7,837.50
Supplies	3,333.30
Power	1,800.00
Depreciation of company equipment	634.98
Purchase of new equipment	2,432.22
Total	$16,038.00

Although large replacement-type deposits like those found in the past are not anticipated, it is considered probable that sufficient vein-type ore may be developed along the feeder fissures to justify the expenditure. It is recommended that the Defense Minerals Administration enter into a contract with the American Fork Consolidated Mines Co. on a matching funds basis to do the proposed exploratory work.

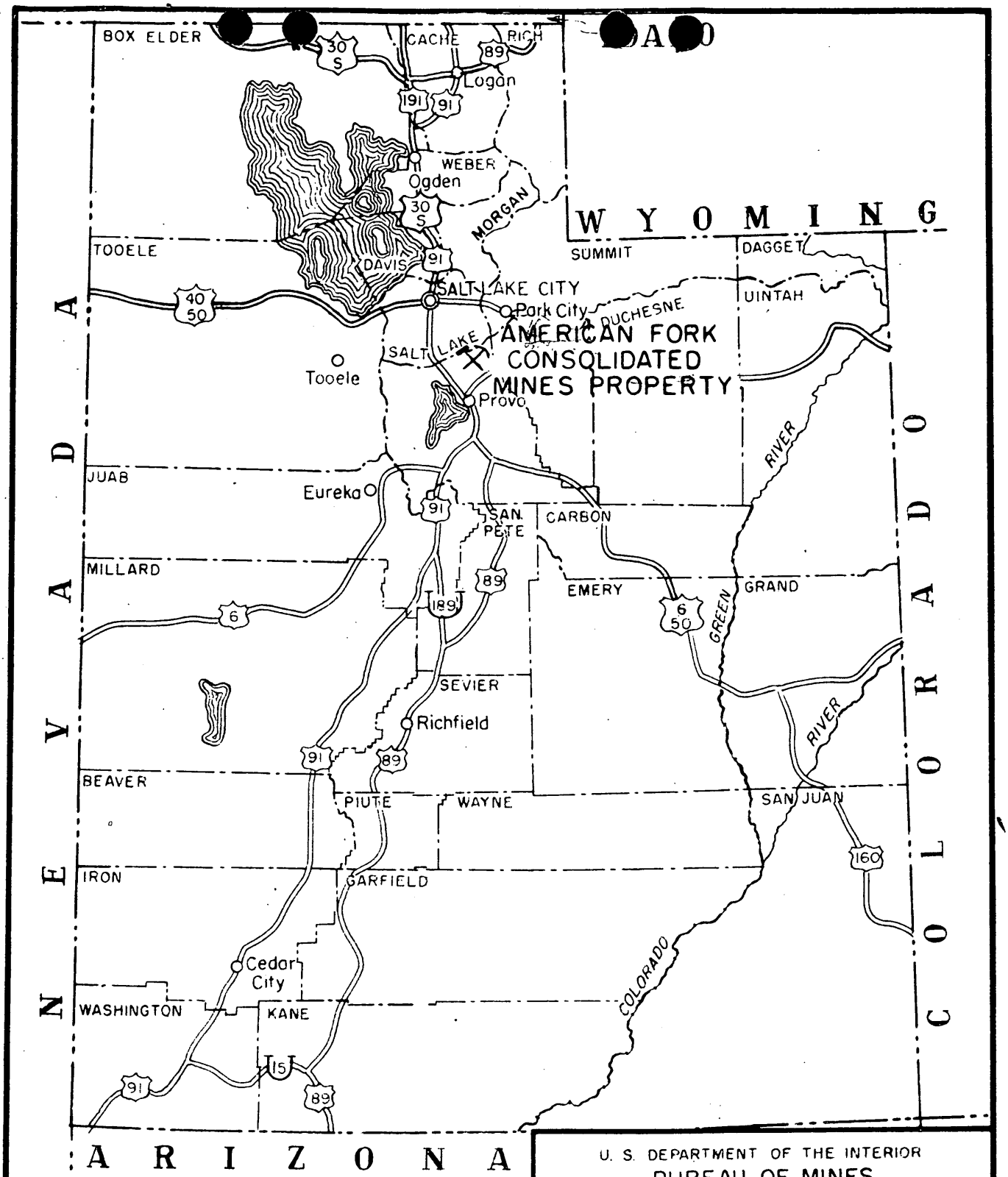
CONCLUSIONS

Application for an exploratory loan on a matching funds basis has been made by the American Fork Consolidated Mines Co. This loan is requested for completion of 50 feet of sinking and 400 feet of drifting on the Pacific fissure. The total cost is estimated at $16,038.

The mine was examined on May 22, 1951. Ore deposits occur along the fissure at the contact between quartzite and shale and quartzite and limestone. Ore shoots extend down the dip of the fissure into the quartzite. It is concluded that new fissure ore bodies of commercial grade may be discovered during the proposed exploratory work.

RECOMMENDATIONS

It is recommended that the Government enter into a contract with the American Fork Consolidated Mines Co. for a loan of $16,038 to conduct underground exploration as outlined in the report. The company has indicated the ability to supply 50 percent of the loan.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 Project No.

Location Map
AMERICAN FORK CONSOLIDATED MINES PROPERTY
UTAH CO., UTAH

ENGINEER: H. F. B.	DATE: JUNE 14, 1951
TRACED: JUNE, 1951; H.F.B.	1500-1065-E
CHECKED:	

H. G. BLUMENTHAL,
PRESIDENT

N. J. NIELSEN
VICE PRES. & MANAGER

AMERICAN FORK CONSOLIDATED MINES

405 DOOLY BUILDING
SALT LAKE CITY 1, UTAH

WELLS J. ROBERTSON,
SECRETARY & TREASURER

June 4 - 1951

noted 6/25/51
O. Brown

Mr Tom Lyon Director
Supply Division
Defense minerals administration
Washington D.C.

Dear Friend:

This is to acknowledge - with appreciation your interest in American Fork Consolidated Mines - our success in helping the Defense minerals administration - with Lead-Zinc ores - is by securing some financial help - to complete our development program.

The ore is now showing - in our workings on the lower levels -

Thanking you for your interest we are yours truely -

American Fork Con. Mines
Per Wells J Robertson
Sec.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 1951
LANDON F. STROBEL
Executive Secretary

JUN 25 1951

FILE COPY
SURNAME:

Brokaw (& TM)
McKnight
Mote
Herrks

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

April 9, 1951

Memorandum

To: Executive Officer Field Team, Region IV
Through: Coordinating Committee

From: Lead-Zinc Branch, D.M.A.

Subject: Application of
American Fork Consolidated Mines
American Fork Mining District
Utah County, Utah

The American Fork Consolidated Mines' application as presented by H. G. Blumenthal, President, has been reviewed by the Lead-Zinc Branch, Defense Minerals Administration.

The applicant requests a loan of $100,000 to purchase new equipment, liquidate bond and lease, purchase operational supplies and working capital. Out of this money, $27,100 has been allocated to shaft development and drifting. It is estimated by the applicant that the mine has a reserve of 3,100 tons of proven ore, having a grade of 4.65% Pb. The calculated probable mill ore is 38,200 tons containing 4.65% Pb, plus 1,365 tons of direct shipping ore containing 22.8% Ag, 32.8% Pb and 9.40% Cu. No figures for grade and tonnage of possible zinc ore is given although it is known to be one of the ore constituents. The method employed for calculating grade and tonnage is based on past production and on an assumed uniform vein. It is doubtful if the vein has such uniformity, therefore, the method might not be applicable.

If the ore reserves are not adequate to support the loan requested, it is possible that more exploration might be desirable.

The Lead-Zinc Branch recommends that the application be referred to the field for an investigation of the reserves of lead and possible zinc reserves. The field investigation should also determine if the property would be suitable for the exploration program.

Jim Lyon
Chairman, Coordinating Committee

Approved:
DMA Coordinating Committee
Lowell B. Moon
L. B. Moon
Olaf N. Rove
Olaf N. Rove

ALBrokaw:emp G 4/9/51 Copies to:
J. H. East, Jr. (2)
Region IV
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
C. O. Mittendorf
Files

FILE COPY
SURNAME:

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

ALBrokaw
McKnight
Herbeo
Moon
Ron

April 6, 1951

Re: Docket DMA-927

American Fork Consolidated Mines
405 Dooly Building
Salt Lake City 1, Utah

Gentlemen:

Your application (Docket DMA-927) for a Government loan under the provisions of the Defense Production Act of 1950 has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration. Before final decision can be taken on your request it will be necessary to obtain additional information on your property. Your application, therefore, has been referred to Mr. J. H. East, Jr., Executive Officer of the Field Team, 224 New Customhouse, Denver 2, Colorado, with the request that the needed information be supplied to us.

Very truly yours,

Tom Lyon, Director
Supply Division

ALBrokaw:emp
G 4/6/51
Copies to: J. H. East, Jr. (2)
Region IV
Chief, Lead-Zinc Branch
ET McKnight
L. B. Moon
L. F. Strobel
C. O. Mittendorf
Files

B

FILE COPY
SURNAME:

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

April 5, 1951

Mr. H. G. Blumenthal, President
American Fork Consolidated Mines
405 Dooly Building
Salt Lake City 1, Utah

Subject: DMA-927

My dear Mr. Blumenthal:

Receipt is acknowledged of your application and attachments of March 23, for a Government loan under the Defense Production Act of 1950.

The application was assigned docket number 927 and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on April 3.

In any future correspondence relating to your application, kindly refer to DMA-927.

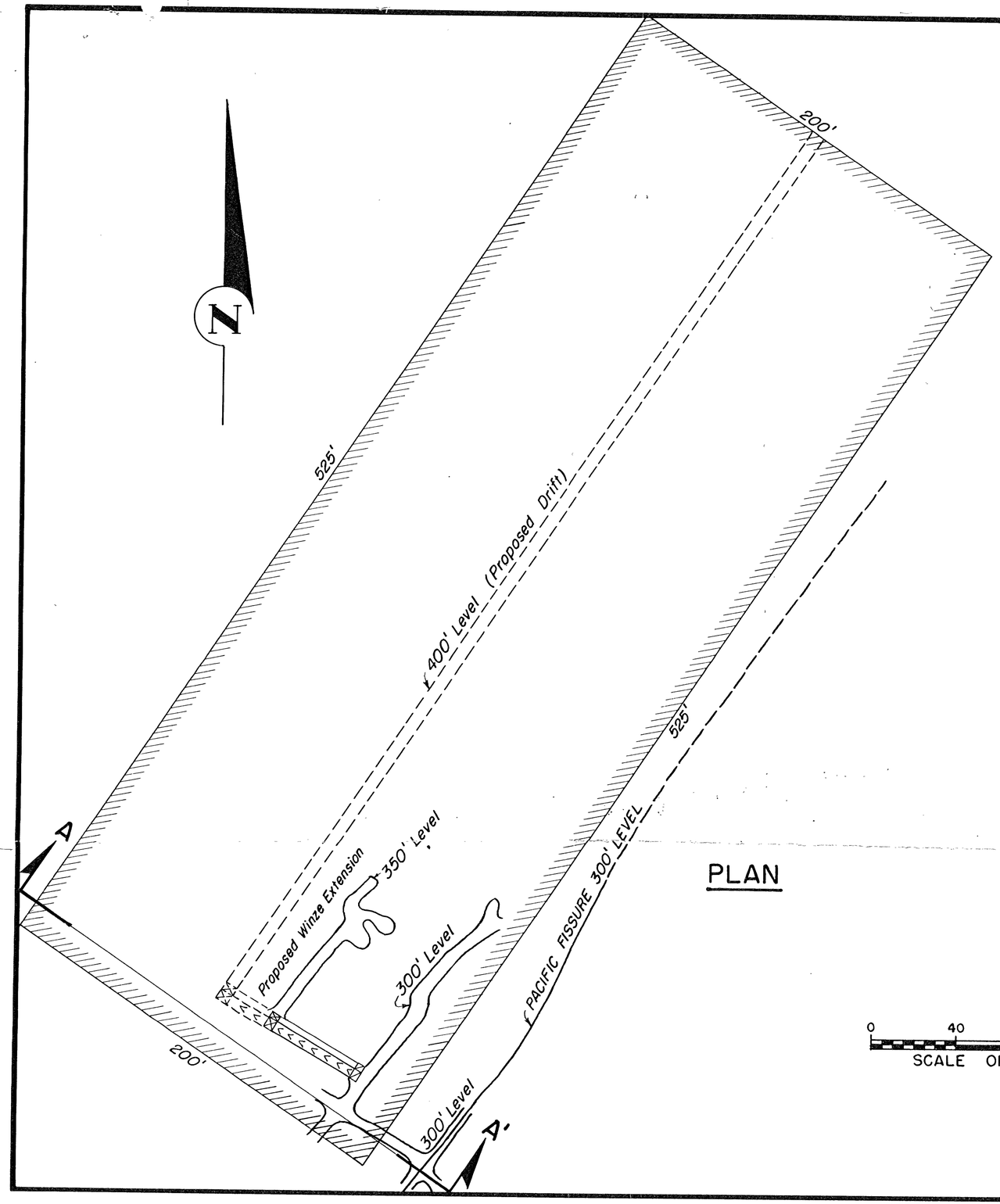
Sincerely yours,

LANDON F. STROBEL

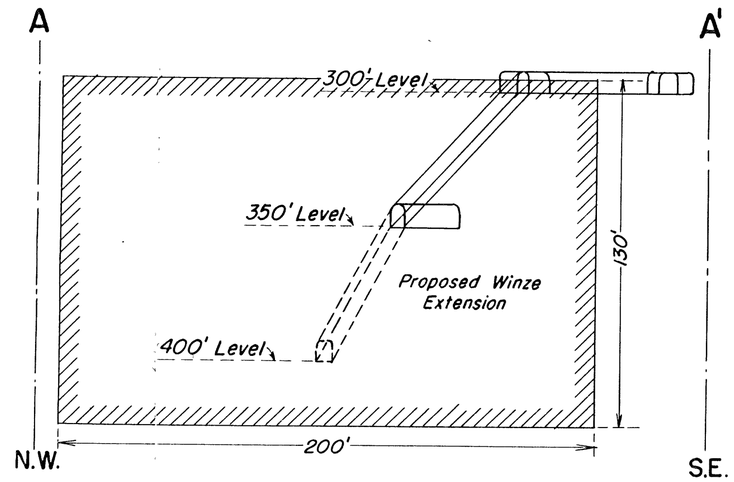
Landon F. Strobel
Executive Secretary

LFSTROBEL:bh

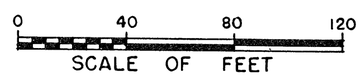
Copy to: Strobel(2)
Files ✓
Mr. Herres
Mr. Lyon



PLAN



SECTION A-A'.



LEGEND

LEASE BLOCK OUTLINE

PROPOSED WORKINGS

EXISTING WORKINGS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

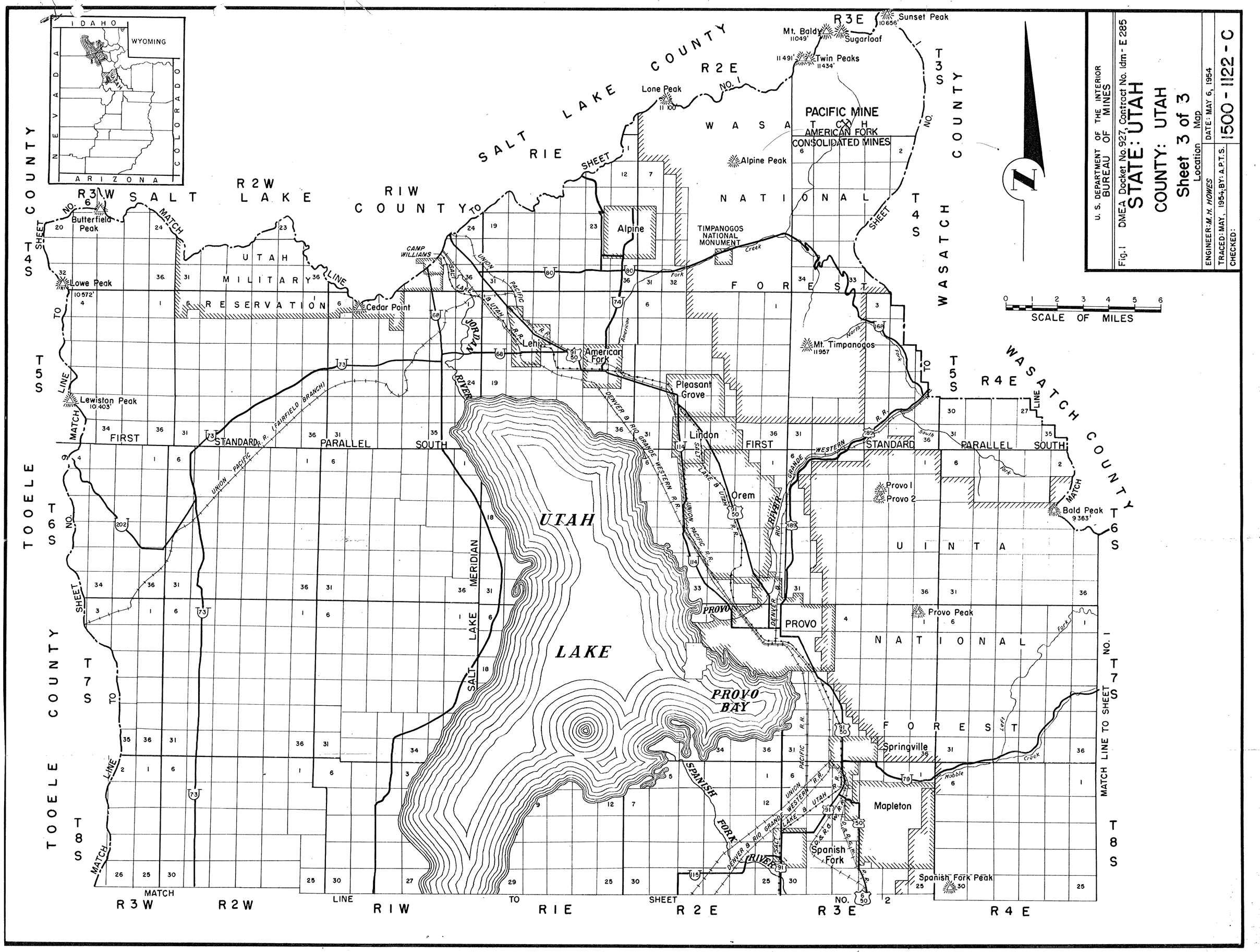
Fig. 3 Proj. No.

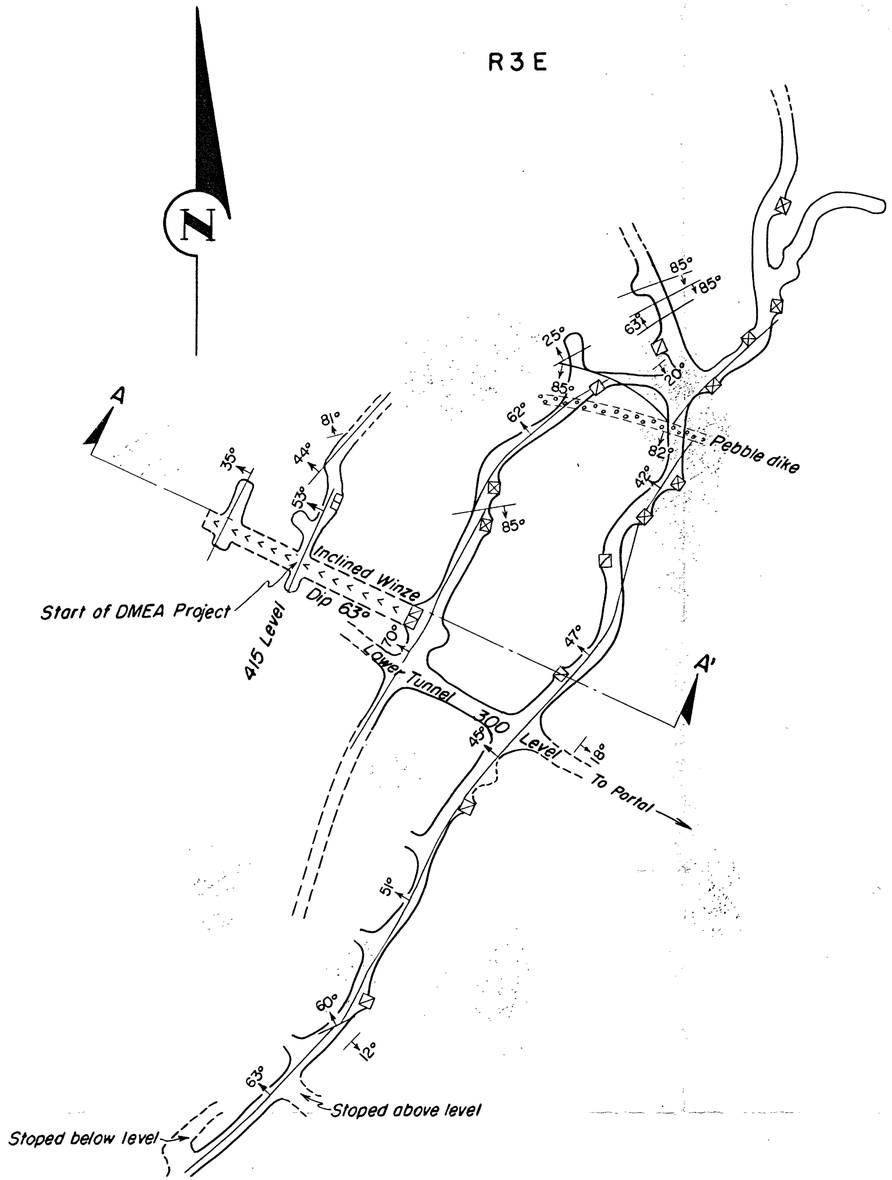
Plan of Lease Block to be Subordinated and Section A-A'

AMERICAN FORK CONSOLIDATED MNG. CO.

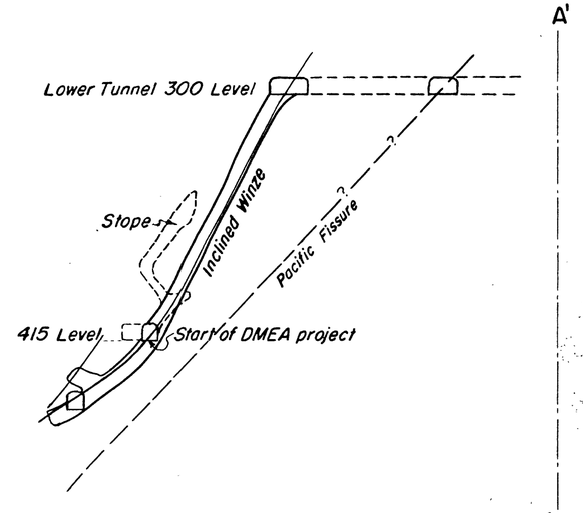
UTAH COUNTY, UTAH

ENGINEER:	DATE: NOV. 20, 1951
DRAWN: NOV., 1951; BY: A.P.T.S.	1500-1083-D
CHECKED:	


U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Fig. 1 DMEA Docket No. 927, Contract No. Idm-E 285
STATE: UTAH
COUNTY: UTAH
Sheet 3 of 3
Location Map
DATE: MAY 6, 1954
ENGINEER: M. H. HOWES
TRACED: MAY, 1954, BY: A.P.T.S.
CHECKED:
1500-1122-C
SCALE OF MILES
0 1 2 3 4 5 6
IDAHO
WYOMING
NEVADA
COLORADO
ARIZONA
UTAH
SALT LAKE COUNTY
WASATCH COUNTY
TOOELE COUNTY
UTAH LAKE
PROVO BAY
PACIFIC MINE
AMERICAN FORK CONSOLIDATED MINES
TIMPANOGOS NATIONAL MONUMENT
UTAH MILITARY RESERVATION
WASATCH NATIONAL FOREST
UINTA NATIONAL FOREST
Sunset Peak
Mt. Baldy
Sugarloaf
Twin Peaks
Lone Peak
Alpine Peak
Butterfield Peak
Lowe Peak
Cedar Point
Lewiston Peak
Mt. Timpanogos
Provo 1
Provo 2
Bald Peak
Provo Peak
Spanish Fork Peak
Alpine
Lehi
American Fork
Pleasant Grove
Lindon
Orem
PROVO
Springville
Mapleton
Spanish Fork
CAMP WILLIAMS
JORDAN RIVER
SPANISH FORK RIVER
SALT LAKE MERIDIAN
UNION PACIFIC R.R. (FAIRFIELD BRANCH)
DENVER & RIO GRANDE WESTERN R.R.
SALT LAKE & UTAH R.R.
R3W R2W R1W R1E R2E R3E R4E
T4S T5S T6S T7S T8S
FIRST STANDARD PARALLEL SOUTH
MATCH LINE TO SHEET NO. 1



PLAN



CROSS SECTION A-A'

LOOKING N E

LEGEND

- RAISE
- WINZE
- 45° FAULT
- 18° STRIKE AND DIP OF BEDS
- PEBBLE DIKE

NOTE

MAP DRAWN FROM INFORMATION FURNISHED BY THE COMPANY.

0 50 100 150

SCALE OF FEET

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 DMEA Docket No. 927, Contract No. Idm - E 285
Plan Map and Section A-A'

PACIFIC MINE

AMERICAN FORK CONSOLIDATED MINES

AMERICAN FORK MINING DISTRICT

UTAH COUNTY, UTAH

ENGINEER: *M. H. HOWES*	DATE: MAY 4, 1954
TRACED: MAY, 1954; BY: A.P.T.S.	1500 - 1123 - D
CHECKED:	