September 10, 1958

Memorandum

To: Wingfield M. Chamberlain, Statistics Branch

From: W. R. Griswold, Director
Division of Base Metals

Subject: Semi-annual reports on certified projects,
period January 1 to June 30, 1958

The following projects were inactive during the cited period:

DMEA	1088,	Idm-E	122	- Shelton Mining Co.
"	2485	"	325	- Bale Mining Co.
"	1098	"	134	- Combined Metals Reduction Co.
"	1371	"	48	- National Lead Co.
"	1094	"	16	- Maildriver Mining Co.
"	989	"	131	- Harrington Mines Co.
"	2309	"	295	- Comet Mines, Inc.
"	1923	"	340	- United Mining Development Co.
"	2341	"	436	- Western States Copper Corp.
"	3385	"	739	- Elkhorn Cons., Inc.
"	2672	"	437	- Dubb Page Auto Co.
"	1 & 1A	"	4	- Chief Cons. Mining Co.

W. R. Griswold

WRG/izm

Copies for each docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
August 12, 1958

DMEA
RECEIVED
INITIALS | CODE
8/19 | | 225
" | | 100
" | | 110
8/ | | 800
8/26 | Ault | 500
8/26 | ~~Shimwell~~

DMEA Operating Committee
Room 4457 - Interior Bldg.
Department of the Interior
Washington 25, D. C.

Re: Field-Team Semi-Annual Reports
on Certified projects, Region IV
for period ending July 31, 1958

Dear Sirs:

We are assured that for the 6-month period ending July 31, 1958, there were no pertinent production or development activities, and no royalties are due the Government under any of the six DMEA Project Contracts which have been certified in Region IV, listed as follows:

Docket No.	Operator	Project Contract No.
DMA-197X (manganese)	Westmoreland Manganese Corp.	I-DMA-E8
DMA-2002X(manganese)	Westmoreland Manganese Corp.	Idm-E139
DMA-1088X(zinc)	Shelton Mining Co.	Idm-E122
DMA-1371X(lead,etc.)	National Lead Co.	Idm-E48
DMA-2202X(mercury)	Amerimex Mining Co.	Idm-E468
DMEA-2485(lead-zinc)	Dale Mining Co.	Idm-E325

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

cc: DMEA Op.Com.(3)
King,USGS,Denver
Amos,USGS,Knoxville
Semi-Annual Report file
197X-2002X file
1088 file
1371 file
2202X file
2485 file

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the period January 1 - June 30, 1957

Base Metals Division Date February 13, 1958

Semi-Annual Report - Certified Project Date

DMEA No. 2485 Operator Dale Mining Company Contract No. Idm-E 325

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	240,000	Zn. 3.0; Pb .1
Increase (Operator)		
Total		
Decrease (Production)	~~11,330~~ 8444	
Net Available	~~228,670~~	

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost
						Dewatering and rehabilitating mine -	$4,000.00
						Mill repair	$3,000.00

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

W. R. Griswold/er

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the Period July 1 - December 31, 1956

Base Metals Division Date May 13, 1957

Semi-Annual Report - Certified Project Date February 13, 1957

DMEA No. 2485 Operator Dale Mining Company Contract No. Idm-E 325

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)	11,330	2.10% Zn., 0.04% Pb.
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

There appears to be little likehood in the foreseeable future for rehabilitation and resumption of any operations on this property.

JWAlt/er

DEFENSE MINERALS EXPLORATION ADMINISTRATION

SUpplemental Report

For Period January 1 - June 30, 1956

Base Metals Division Date October 31, 1956

Semi-Annual Report - Certified Project Date October 26, 1956

DMEA No. 2485 Operator Dale Mining Company Contract No. Idm-E 325

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Upon request, Clinton C. Knox, Executive Officer, Region IV, stated that approximately $7,000.00 was spent in rehabilitating and dewatering the mine, and mill repairs during November and December 1955. The mine was dewatered, underground workings rehabilitated and equipment repaired, at a total cost of $4,000.00.

J. W. Alt/er

DEFENSE MINERALS EXPLORATION ADMINISTRATION
For the Period January 1 - June 30, 1956

Base Metals Division **JWAlt/er** Date **September 18, 1956**

Semi-Annual Report - Certified Project Date **August 7, 1956**

DMEA No. **2485** Operator **Dale Mining Company** Contract No. Idm-E 325

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)	70,113	
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

The report states that the actual zinc content apparently will average much less than 3.00 per cent as given in the Field Team final report.

J. W. Alt

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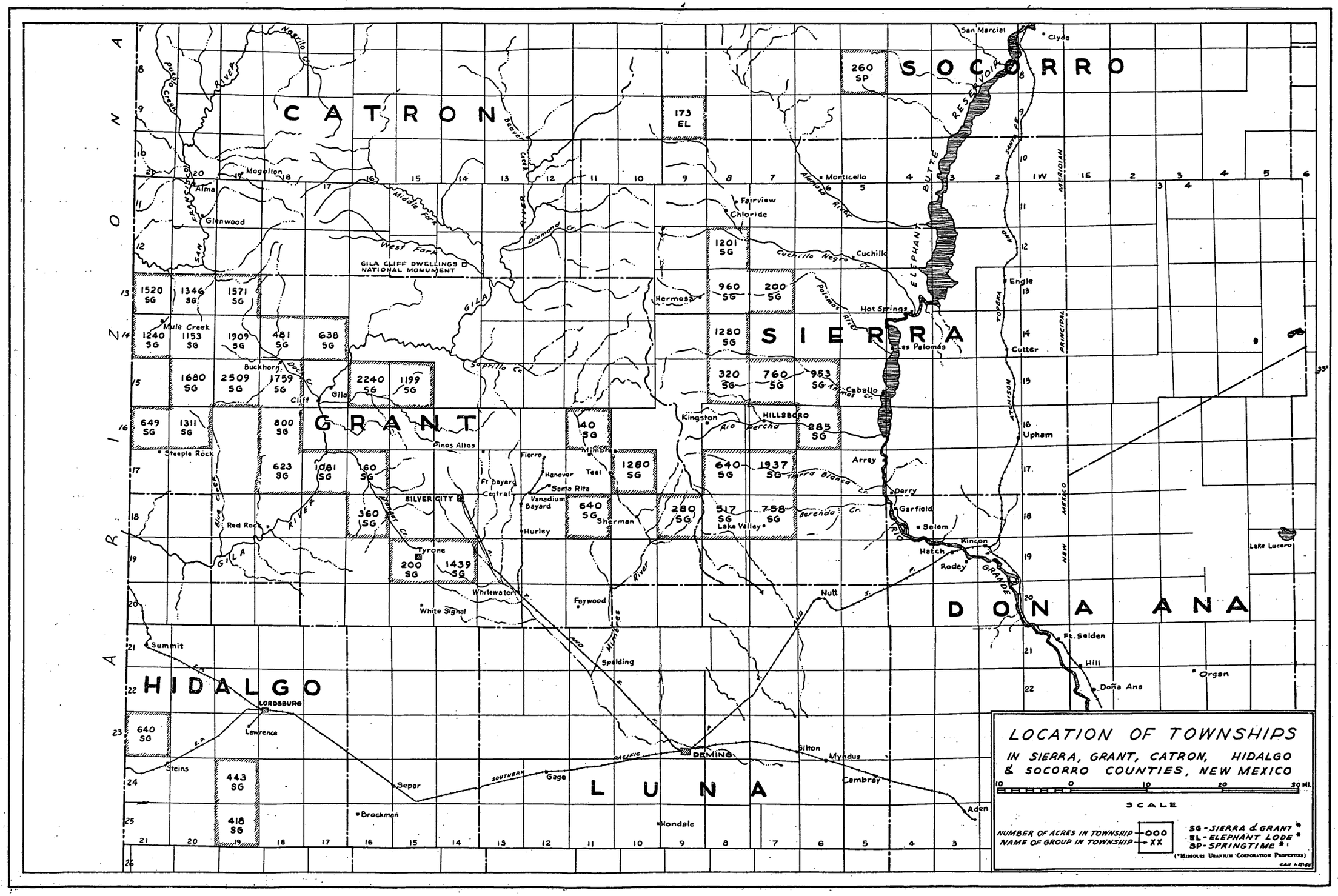

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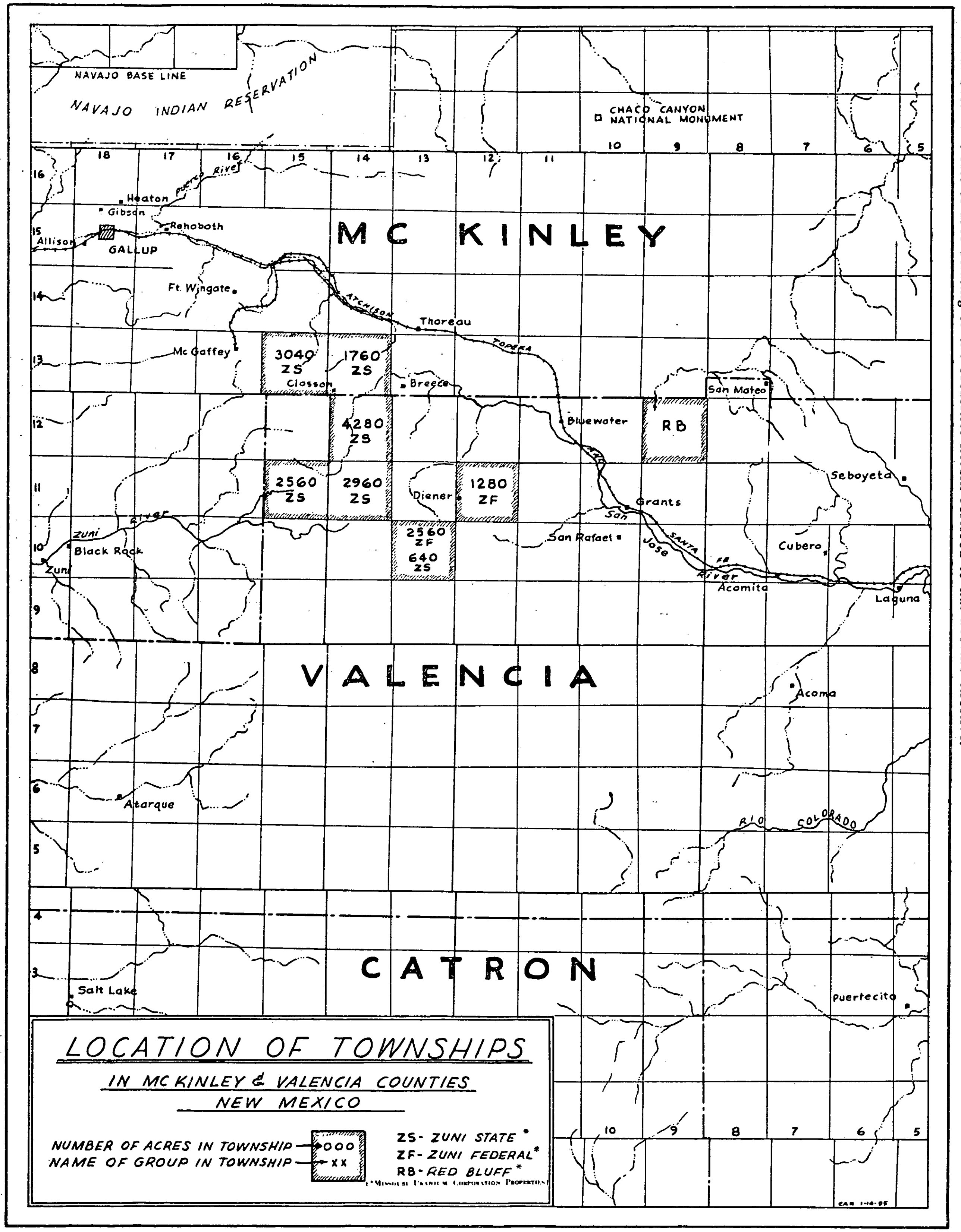

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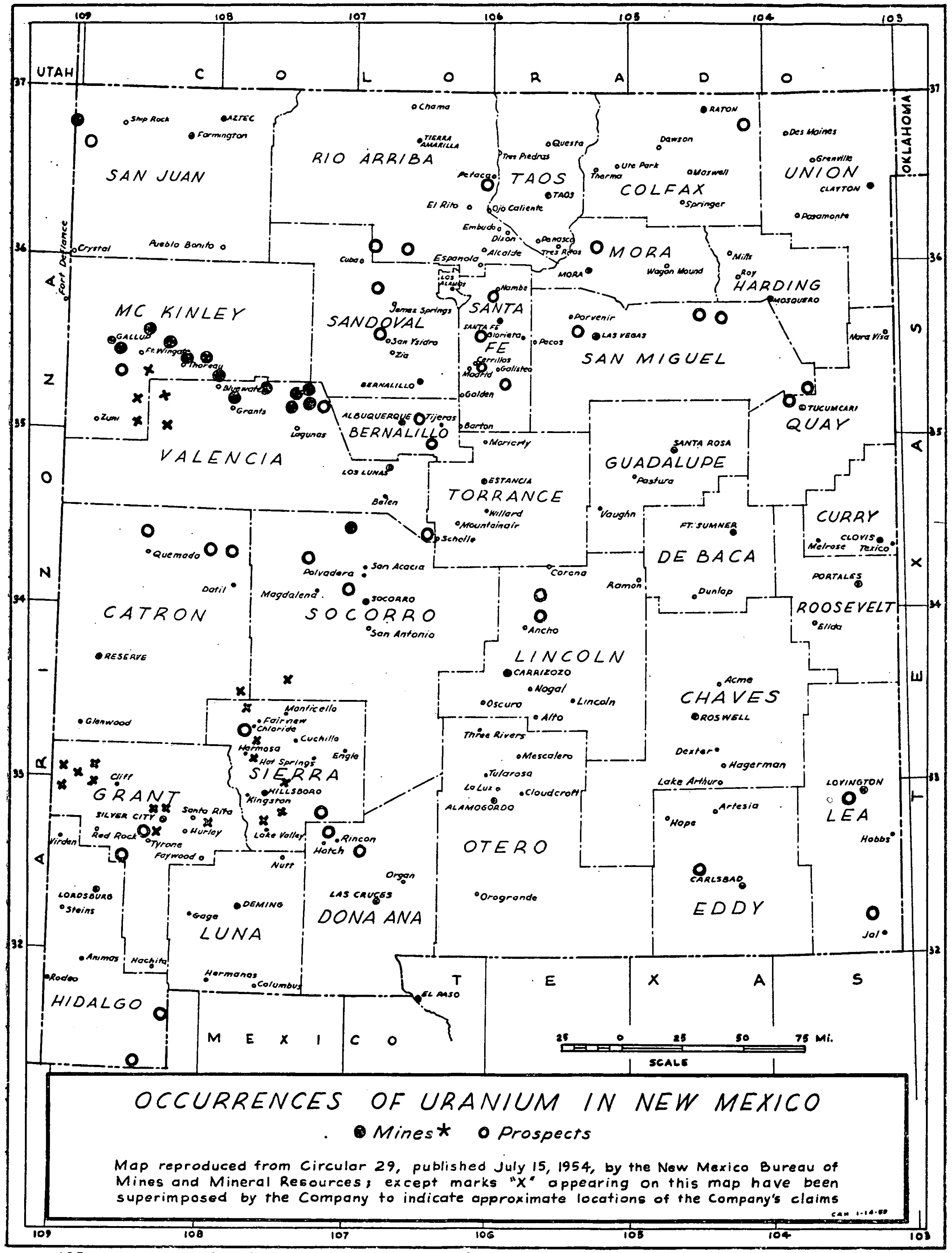

*No representation is intended that any of the points designated as "mines" has been the site of substantial production of uranium ore.

Machinery and Electric Company, and Mr. Thomas C. King, all of the remaining officers, directors and stockholders acquired their stockholdings for cash consideration.

None of the present stockholders, officers, or directors has ever engaged in promoting other mining corporations (whereby stock was offered to the public) except Mr. Reynolds and Mr. King, who under a Prospectus dated November 19, 1954, are revealed to have an interest in the Columex Mining Corporation at Albuquerque, New Mexico.

RECAPITALIZATION

The Company was originally incorporated for $50,000.00 divided into 500 shares of Common stock of the par value of $100.00 per share. Prior to recapitalization, the Company had issued 293 shares of Common stock for $29,300.00 cash and 82 shares of Common stock for property received from the Joplin Machinery and Electric Company. This resulted in a total issue of 375 shares. However, as described under the caption "Transactions with Management" the agreed consideration for the 82 shares was property valued at $20,700.00. Thereafter, on December 31, 1954, the Company by approval of its Board of Directors and all of its then stockholders recapitalized for $800,000.00, divided into 150,000 shares of Preferred stock of $5.00 par value and 375,000 shares of no par value Common stock.

The par value of the Preferred stock amounts to an aggregate of $750,000.00 which, plus the agreed and stated consideration previously paid in for the Common stock amounting to $50,000.00, equals $800,000.00.

In order to strengthen the financial structure of the Company and to provide for Common stock to be made available by the Prospectus, the stockholders donated back to the Company 40% of the 375 shares of $100.00 par value Common stock.

In connection with the recapitalization of the Company, it was agreed to exchange 1000 shares of no par value Common stock for each share of the $100.00 original Common stock previously issued to the stockholders. As a result of this action, the then stockholders exchanged the remaining 225 shares of $100.00 par value Common stock for 225,000 shares of no par value Common stock.

None of the 150,000 shares of Preferred stock ($5.00 par value) has been sold, issued or subscribed for as of the date of this Prospectus.

To further strengthen the financial standing of the Company, each of the present stockholders, except the Joplin Machinery and Electric Company, Mr. James V. Reynolds, and Mr. Thomas C. King, have pledged their individual credit to enable the Company to obtain a bank loan of $29,300.00. This loan was obtained as emergency operating capital. Each of the stockholders signed a note to the extent of the stock owned by each, and such notes were deposited with the Southeast State Bank of Kansas City, Missouri, as collateral for such bank loaning $29,300.00 on an unsecured note of the Company.

It is presently contemplated that the same group of stockholders may be required to pledge their individual credit again within the next 90 days for another loan of $29,300.00 if the need for such additional operating funds becomes necessary.

MAPS

The maps on pages 19 to 22 afford a generalized picture of the Company's property in relation to the State of New Mexico. While the maps are prepared to scale, they do not purport to be exact, but are intended solely for the purposes stated herein.

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CAPITALIZATION

The capitalization of the Company as to (1) authorized Capital Stock, (2) the amount outstanding as of December 31, 1954 and (3) the amounts to be outstanding upon completion of financing contemplated by this Prospectus is as follows:

Title of Stocks	Amount Authorized	Amount Outstanding as of Dec. 31, 1954	Amount to Be Outstanding If All Shares Offered Hereby are Sold
Preferred Stock* ($5.00 Par Value	150,000 shares	0	150,000 shares
Common Stock (No Par Value)	375,000 shares	225,000 shares	375,000 shares
Funded debt:			
None**	0	0	0

*Dividend rate is 5% and non-cumulative.

**Reference is made to the notes and mortgage listed under the caption "Transactions with Management" and to the Southeast State Bank note discussed under the caption "Recapitalization."

There are no options or stock purchase warrants outstanding or presently authorized.

OFFERING

The Company is offering 150,000 units of stock to the public at a price of $5.00 per unit, which price has been arbitrarily fixed since there is no established or quoted market for the stock of the Company. A unit consists of one share of Preferred stock of the par value of $5.00 and one share of no par Common stock. If the stock offered hereunder is completely sold, 150,000 units will return to the Company $750,000.00 less commissions and expenses. It is the practical intention of the Company to sell one share of Preferred stock for the par value of $5.00 per share and donate one share of Common no par value stock to the purchaser of the preferred. This plan, the Company is advised, will result in the purchaser having no investment in the Common stock and the adjusted basis of the Preferred stock will be $5.00 per share.

At the completion of the offering under this Prospectus, the original stockholders of the Company (as set forth under the caption "Management") will own 225,000 shares of the Common stock and the public will own 150,000 shares of such Common stock. The public will own all of the 150,000 shares of Preferred stock.

STATEMENT OF POLICY AND UNDERTAKING

The statements made hereafter as to the rights, privileges and special features of the Preferred and/or Common stock should be analyzed in conjunction with the following paragraph which may affect or limit such rights, privileges or features.

PREFERRED STOCK

Preferential Status

If the Preferred stock shall not be redeemed and retired wholly, and until it is redeemed and retired, such stock will have a preferential position in regard to dividends, redemption, and entitlment in event of liquidation.

Dividend Rights

The holders of Preferred stock are entitled in preference to the Common stock to non-cumulative dividends at the rate of 5% per share as such dividends may be declared by the Board of Directors out of the net profits, or out of the net assets of the Company available for dividends under the existing laws of the State of Missouri.

Redemption

Out of a sinking fund to be established for this purpose, the Company plans to redeem as rapidly as possible all of the Preferred shares offered by this Prospectus. The redemption price is to be not more than $5.25 per share. The redemption will be made at the discretion of the Board of Directors from the funds available, if any, in such sinking fund, and in the event the sinking fund is not sufficient to redeem all of the Preferred stock at one time, then the shares to be redeemed out of the funds available, if so decided by the Board of Directors, shall be those shares selected by lot or such other reasonable means as the Board of Directors may direct.

Sinking Fund

By amendment of the Articles of Incorporation, the Board of Directors is required to set aside in a special account and each year deposit therein 25% of the net profits of the Company, if any, after taxes for the preceding fiscal year as and for a sinking fund to be utilized to call or redeem at not more than $5.25 per share the Preferred stock as described above under "Redemption". The shares redeemed by the sinking fund shall not be reissued by the Company.

Liquidation Rights

In the event of liquidation, voluntary or involuntary, the holders of the Preferred stock shall be entitled to receive, in preference to the Common stock, up to $5.00 per share but no more.

Voting Rights

The holders of Preferred stock shall not be entitled to vote in any proceeding of the Company except for the creation or increase of senior securities, which new or additional securities would have a priority over existing shares or would be entitled to any preferential treatment over existing shares. The holders of Preferred stock will be entitled to vote at any proceding of the Company on such matters as to which the Revised Statutes of Missouri, 1949, specifically provide for votes to be cast by the holders of non-voting Preferred stock.

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that such of the officers and directors as devote substantial time to the Company's operations will receive reasonable compensation from the proceeds of the stock offered hereunder or from the profits of the Company, if any. At the present time, Mr. Raymond E. Bair is directly in charge of the operations, heretofore referred to as "Red Bluff 3 & 9 Operation" and is receiving no remuneration except the reimbursement of travel expenses. Although the Company has 6 officers, compensation will be paid to such officers only as the operations of the Company demand all or substantially all of their time. In its initial stage of development the Company contemplates that Mr. Raymond E. Bair and Mr. James V. Reynolds will be the only compensated officers. Thereafter as operations are intensified additional officers will be compensated as their services are used.

For his services, Mr. Bair will receive compensation of $850.00 per month, plus travelling expenses. Mr. Reynolds will receive $600.00 per month and travelling expenses, plus 1½% royalty on all property acquired by the Company after March 1, 1955 through Mr. Reynolds' efforts.

Mr. King has reentered the field of Independent Consulting Engineer and is not to be employed by the Company.

The Company reserves the right to vary or change any of the foregoing purposes, order of priority or amounts as it appears, in the opinion of the management, in its best interest to do so.

In the event the proceeds of this offering prove to be insufficient to carry on the planned program, the Company may be required to provide additional funds to meet such deficiency. No plans have been formulated to secure such additional funds nor does the Company have any assurance of being able to obtain any additional funds when and if needed. If it appears necessary in the best judgment of the management to secure additional funds by the issuance of other securities senior to the securities covered under this offering, appropriate requests to the stockholders of the Company would be made for such authority. Failure to obtain additional funds, if needed, or failure to authorize the issuance of senior securities may result in substantial losses to the purchasers of the Preferred and Common stocks offered herein, depending upon the circumstances and conditions existing at the time of the need for additional funds.

PRESENT PLANS IN EVENT ONLY A PORTION OF THE CONTEMPLATED PROCEEDS ARE RECEIVED

In the event all the contemplated proceeds are not received, it is the intention of the management to use such proceeds as are received in furthering the contractual phase of its uranium undertakings. The proceeds are to be used to enable the Company to contract with the owners of proven ore bodies for the removal of such ores on a profit sharing basis. The profits earned from such operations, if any, would be used to carry out a limited exploration program on the Company's properties. Also such portion of the proceeds as are raised and as would be needed would be used to reduce the Company's outstanding indebtedness as of the date such proceeds are received.

No arrangement has been made or will be made for return to the subscribers of funds paid in as a result of this offering, if sufficient funds are not raised to undertake the proposed program.

INTERESTS OF PROMOTERS

The stockholdings of the present stockholders have been set forth under the caption "Securities held by Directors, Officers and Others". With the exception of James V. Reynolds, Joplin

Technical Services and Assorted Other General Supplies		
Total estimated project cost		$415,185.00

Development and Exploration Expenses:

Zuni, Sierra and Grant County Properties:—		
73,000 ft. drilling (non-core) @ 60¢ per foot	$43,800.00	
10,000 ft. drilling (core) @ $3.00 per foot	30,000.00	
Dozer (access road, drill site, etc.)		
1000 hrs. @ $12.50 per hour	12,500.00	
Technical Supervision	10,000.00	
Supplies	6,740.00	
Airplane and pilot—300 hrs. @ $30.00 per hour	9,000.00	
Technical services in assaying, maps, etc.	7,625.00	
Three field teams consisting of one geologist, one laborer, and one jeep	20,000.00	
Total estimated project cost		$139,665.00
Elephant Lode Properties:		
2500 ft. (churn drilling) @ $2.00 per ft.	$5,000.00	
1500 ft. drilling (core) @ $3.00 per foot	4,500.00	
Dozer (access road, drill site, etc.)		
100 hrs. @ $12.50 per hour	1,250.00	
Technical supervision	4,150.00	
Supplies	1,275.00	
Technical Services	1,500.00	
Total estimated project cost		$ 17,675.00

RE-CAP OF USE OF PROCEEDS

Reduction of Indebtedness	$ 74,300.00
For contracting operations	415,185.00
Zuni, Sierra and Grant County property	139,665.00
Elephant Lode Property	17,675.00
	$646,825.00

The amounts estimated above for the contracting business shall be used primarily for the financing of contracts covering the removal of proven ore bodies owned by any individual entering into contract with the Company. The cash requirements for financing the foregoing contracts cannot be determined at present and will depend on the amount of activity that develops in connection with such contracts. It also includes general operating capital for the Company's use and includes reasonable compensation for the Company's officers.

None of the Officers, Directors or Stockholders of the Company will receive any compensation for their services rendered, as officers or directors, prior to March 1, 1955. It is contemplated

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Preemptive Rights

None of the holders of any class of stock of the Company shall be entitled to any preemptive or other prior rights to purchase or subscribe for any stock of the Company of any class now or hereafter authorized or for any obligation or evidences of indebtedness or other securities as may be issued. All such stock or other securities as may be issued may be disposed of pursuant to resolution of the Board of Directors to such purchasers or subscribers and upon such terms as may be deemed advisable by the Board of Directors.

Liability to Assessment

All shares of stock of the Company issued for a purchase price, fixed at or prior to the date of issuance thereof by the Board of Directors (but in case of shares having par value, at not less than the par value thereof) shall be fully paid and non-assessable.

COMMON STOCK

Dividends

Whenever dividends are paid on the Preferred stock and the required funds have been set aside in the sinking fund to be established for the redemption of the Preferred stock, the Directors may declare and pay dividends for a like period on the Common stock out of the assets of the Company legally available therefor.

Voting Rights

At all meetings of the stockholders, whether annual or special, all voting rights shall be vested exclusively in the holders of Common stock of the Company, except for the statutory voting rights of holders of Preferred stock under the circumstances described above. Each holder of Common stock of the Company shall be entitled to one vote for each share of stock standing of record in his name on the stock record books of the Company. Cumulative voting of the shares for the election of Directors shall be permitted.

Preemptive Rights

No stockholder of any class shall be given any preemptive rights. Reference is made to the caption "Preemptive Rights" under the description of Preferred stock above.

Liquidation Rights

In the event of liquidation, whether it be voluntary or involuntary, the net assets of the Company shall be distributed first to the holders of the Preferred stock as heretofore described, and the balance of the net assets, if any, shall be distributed ratably among the holders of the then outstanding shares of Common stock.

Liability to Assessment

Stock of the Company when issued at par value, or at the stated consideration agreed upon by the Board of Directors, shall not be liable for assessment or further calls, and shall be fully-paid.

MANAGEMENT

The names and addresses of the officers and directors of the Company are as follows:

Name and Address	Position with Company		Previous Experience
Raymond E. Bair 5704 W. 61st Terrace Mission, Kansas	President and Director	1934-1948	Superintendent of mining and quarry operations with J. A. Tobin Construction Co.
		1948-date	Secretary-Treasurer of Union Construction Co., of Kansas City, Kans.
Joseph M. Clark 6001 Reinhardt Drive Mission, Kansas	Vice-President and Director	1944-1945	Pilot and squadron operations officer—U. S. Air Force
		1945-1949	Field Superintendent, List & Clark Construction Co.
		1949-1953	General Superintendent, List & Clark Construction Co.
		1953-date	Vice-President of List & Clark Construction Co.
Buford V. Everett 515 Clay Street Plattsburg, Missouri	Vice-President and Director	1926-1941	Fifteen years in grading and earth moving business. Five years of this period was partner in Everett Brothers Construction Co., which engaged in all forms of heavy construction work and related lines.
		1941-1953	Partner and half owner of Everett & Clark, Contractors engaged in rock quarrying, excavating, mining and construction.
		1953-date	President of Everett Quarries, Inc., successors to Everett & Clark.
James V. Reynolds and Joplin Machinery & Electric Company 903 South Madison Webb City, Missouri	Vice-President and Director	1945-1946	District Manager of United Zinc Smelting Corporation of Joplin.
		1946-1950	President of Consolidated Mining Company of Joplin.
		1950-date	President of Joplin Machinery & Electric Company—dealers and distributors of mining machinery and equipment.
Aubrey S. Owen Route #1 Gashland, Missouri	Treasurer and Director	1946-date	Vice-President and Treasurer of Funkhouser Machinery Co.—dealers and distributors of heavy contractors' machinery and equipment i.e. bull dozer cranes, crushing plants, diesel engines, etc.

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Board of Directors. It is the present plan and intention of the Company that the net proceeds will be applied in the order and priority stated as follows:

Payment of Company's Obligation per Financial Statement of December 31, 1954:

Payment of notes and mortgage to Joplin Machinery & Electric Company	$45,000.00	
Payment of note to Southeast State Bank	29,300.00	
Total obligations to be paid		$ 74,300.00

For Public Contracting Operations:

Spread of Equipment—

One— ¾ yard Diesel Engine, Northwest Shovel	$19,410.00	
Freight to Grants, New Mexico	1,300.00	
One— HD-5 Allis-Chalmers Front End Loader	11,065.00	
Freight	500.00	
One— 315 Cubic foot Diesel-driven Portable Air Compressor	10,000.00	
Freight	500.00	
One— MW-12 Joy Wagon Drill, equipped with TM-400 Drill, mounted on Used Ford Tractor	3,500.00	
Freight	300.00	
One— D-7 Caterpillar Tractor equipped with Dozer and dual drum power take-off	18,000.00	
Freight	1,000.00	
One— Model 70 Caterpillar Scraper (12-15 yard)	9,500.00	
Freight	1,000.00	
Two—Tandem Dual 4-ton trucks with dump beds	17,000.00	
Two—Model L-47 Joy Hand-held Drills	750.00	
One—300-amp Portable Gasoline Driven Welder	750.00	
	$94,575.00	
Two spreads of equipment, as listed above, to be purchased for a total cost of		$189,150.00
One—Joy Class 225-AC Truck Mounted Rotary Blast Hole Drill and freight—to be used between locations where above equipment is spread and operated		23,240.00
Estimated amount to be used for general operating capital and for items as listed below:		202,795.00

Jeeps, Pick-up Trucks, Air Hose, Couplings, Drill Steel, Drill Bits, Blasting Powder and Batteries, Galvinometers, Repair Tools, Field Assay Equipment, Fuel Drums and Pumps, Portable Storage Facilities, Hand Tools, Geiger Counters, Scintillators, Payrolls, Comprehensive and Public Liability Insurance, Local Taxes, Licenses and Permits,

tract business and in the exploration and development of other claims and permits owned by the Company. The Company has no assurance that the purchaser will exercise the option granted him on November 11, 1954. He has until February 5, 1955, in which to exercise such option. During the interim, he has commenced building the road provided for under the contract. The option-purchaser has also engaged mining engineers and other employees and has started an exploratory program.

The mine is not easily accessible at the present time, and requires approximately 3 miles of road to be built from a well-maintained forestry road in order to gain access to it. This condition will be remedied by the option-purchaser without expense to the Company.

The Company owns 3 of the 13 claims in fee, and the remaining 10 claims were acquired by the filing of claims on Federal lands.

The Company understands that the mine was in operation in the early 1930's, but has no geological reports or production figures on which to base its former value if any.

There are several underground openings on the Springtime property of an undetermined depth due to the presence of water therein.

The foregoing references as to leases and other contracts covering the Company's properties do not purport to be a complete statement of all of the terms and conditions of such leases and/or contracts. A copy of each lease, permit, claim notice, contract, and/or warranty deed is on file with the Company at its office at 415 Commerce Trust Building, Kansas City, Missouri, and is available for examination.

USE OF PROCEEDS

In the event that all of the shares being offered are sold, the net proceeds to the Company after deducting the underwriter's commission, but before deducting the expense of the offering will be $693,750.00. The expenses of the issue are estimated to be $46,925.00 consisting of the following:

Registration Fees	$ 75.00
Transfer Taxes, Transfer and Registrar Fees	10,500.00
Accountants' Fee	350.00
Fees and expenses of Underwriter's counsel (Messrs. Gage, Hillix, Moore, Park & Jackson)	2,000.00
Fees and expenses of Company's counsel (Messrs. Langworthy, Matz & Linde)	2,000.00
Fees and expenses of Company's General Counsel (Messrs. Watts & Shafer)	25,000.00
Printing	4,250.00
Blue sky and related expenses	1,500.00
Advertising	1,000.00
Miscellaneous	250.00
Total Estimated Expense	$46,925.00

The proceeds of $693,750.00 less the estimated expenses of $46,925.00 will leave a total of $646,825.00 to be added to the general fund of the Company and will be used as directed by its

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Name and Address	Position with Company	Previous Experience
Chas. C. Shafer, Jr. 415 East 81st Street Kansas City, Mo.	Secretary, Director and General Counsel	1943 Admitted to practice as attorney. 1943-1945 U. S. Navy as Lt. Junior Grade. 1945-1951 Partner in law firm of Watts & Shafer. 1951-1953 Recalled to U. S. Navy as Lieutenant. 1953-date Partner in law firm of Watts & Shafer.
George R. Haydon 631 Westover Road Kansas City, Missouri	Stockholder and Director	1933-1948 Engineer with J. A. Tobin Construction Company. 1948-date President of Union Construction Company.
George W. Garrett 35 West 69th Terrace Kansas City, Missouri	Stockholder and Director	1944-1952 Vice-President and Secretary of Stewart Sand and Material Company—dealers in building materials and concrete. 1952-1954 Executive Vice-President and General Manager of Stewart Sand and Material Co. 1954-date President of Stewart Sand and Material Company.
Hugh L. Libby 5000 W. 60th Terrace Mission, Kansas	Stockholder and Director	1944-date Vice-President of Welding Equipment Supply Company, Inc., except for tour of duty with U. S. Navy during World War II.
Buford J. Lutz 2401 W. 51st Terrace Kansas City, Kansas	Stockholder and Director	1943-1945 U. S. Navy. 1945-1946 General Manager of the Stokes Company—dealers in asphalt and rubber contractors' supplies. 1947-date General Manager and part-owner of the Stokes Company.
Herbert S. Blitz 3429 Charlotte Kansas City, Missouri	Stockholder and Director	1944-1945 Sea Bees branch of Navy. 1945-date Salesman with Funkhouser Machinery Company.

Name and Address	Position with Company	Previous Experience
Lewis Linville 424 E. 73rd Terrace Kansas City, Missouri	Stockholder and Director	1928-1945 Salesman with Funkhouser Machinery Company. 1945-1948 Partner in Funkhouser Machinery Company. 1948-date Vice-President and Secretary of Funkhouser Machinery Company. 1945-date Partner in owning and operation of 1200 acre farm.
Howard Willey 2915 W. 92nd Place Kansas City, Missouri	Stockholder and Director	1944-date Owner of Willey Motor Company of Kansas City, Missouri, specializing in truck sales.
Lancie L. Watts 7101 Washington Kansas City, Missouri	Stockholder and Director	1944-date Attorney at Law and partner in law firm of Watts & Shafer.
C. L. Froeschl 5307 W. 57th Terrace Mission, Kansas	Stockholder and Director	1934-1948 Superintendent with J. A. Tobin Construction Co. 1948-date Vice-President of Union Construction Company.

PROMOTERS

The 15 individuals listed under the caption "Management" took the initiative in organizing the Company and therefore are promoters of the Company, as that term is defined in the General Rules and Regulations under the Securities Act of 1933, as amended. In addition Mr. Thomas C. King is listed herein as a promoter since he was an employee of the Joplin Machinery and Electric Company. Mr. King was not a stockholder in the Missouri Uranium Corporation on August 10, 1954 when he estimated the ore content of Red Bluff 3 & 9 (see paragraph "Public Contracting" under the caption "BUSINESS"). Mr. King's experience and personal data is as follows:

Thomas C. King 4911 Inspiration Drive Albuquerque, New Mexico	1943 Graduated from University of Arizona with B. S. Metallurgical Engineering. 1943-1946 U. S. Navy. 1946-1950 Metallurgist with Eagle-Picher Mining and Smelting Company, Joplin, Missouri. 1950-1954 Manager, Western Mining Division of Joplin Machinery & Electric Company.

SECURITIES HELD BY DIRECTORS, OFFICERS, AND OTHERS

The following table lists the officers and directors who are stockholders and others known to own 10% of the Common shares of the Company; (There are no holders of Preferred stock as of the date of this offering.)

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development, and exploration work to determine if any of such property had value. Insofar as is known to the Company, there are no producing uranium mines in Sierra or Grant Counties, New Mexico.

The Sierra and Grant County permits are located near well-maintained roads, but considerable access road building must be done by the Company in certain instances.

The title to the Sierra and Grant County property is assured to the Company by the nature of the prospecting permits issued by the State of New Mexico. No prospecting work whatsoever has been done by the Company on these properties, but will be commenced prior to March 1, 1955.

Elephant Lode:

The property described as the Elephant Lode Group consists of 9 claims and 1 mill site in Catron County, New Mexico, in Township 9 South, Range 9 West, and Sections 26, 27, 34 and 36. The nearest town is sixteen miles distant and is easily accessible over excellent forest and state highways. The nearest railroad point is Engel about 68 miles away and is readily accessible over excellent highways for the entire distance. Preliminary examination of the Elephant group indicates the possibility of the existence of gold and silver bearing ores. However, sufficient work has not been done by the Company as of the date of this Prospectus in order to make any representation as to the quality or quantity or even the very existence of such gold and silver ores on this property. If further exploration work indicates the existence of such ores, the Company intends to commence production within a reasonable length of time.

The Company owns the Elephant Lode Group in fee and has no royalty obligations to any land owner or leaseholder.

Davidson Group:

The Davidson Group consists of 20 claims located approximately 25 miles northwest of Farmington, New Mexico. This group is presently under negotiation for sale because the Company in its initial stages of development desires to centralize operations in the Grants area insofar as possible. The Company intends to do no operation or development work on the Davidson Group. If it is unable to sell such group, the Company intends to let such group revert to the land owners which may be done without financial penalty to the Company.

Springtime Group

The Springtime group consists of 13 claims on which a gold and silver mine formerly existed. The mill site of the mine was destroyed in the early 1930's by fire and was not rebuilt at that time because of the low market price of gold and silver. On November 11, 1954 the Company entered into an option contract for the sale of the Springtime Group to a resident of the State of Texas. The contract provides that the purchaser—as consideration for the option—will construct certain roads and spend funds in the exploration, drilling, testing and assaying of the mineralization in such mine. If the purchaser exercises his option to purchase, the Company will receive $35,000.00 cash plus an overriding royalty of 5% of any gold and silver mined from the Springtime mine. The Company made the decision to sell this particular property because of the large capital investment required to rehabilitate the mine and construct a mill site. It was felt by the Board of Directors of the Company that a large expenditure of funds on the Springtime mine could be more profitably used by the Company in the furtherance of its con-

29, dated July 15, 1954, certain information concerning occurrences of uranium ores in such counties. The Bureau of Mines of New Mexico stated in its Circular 29 as follows:

Grant County

"White Signal District—Uranium occurs in sub-ore and ore-grade at many points throughout the district, principally as autunite and torbernite occurring along quartz-pyrite veins cutting Precambrian granite. Uranium was noted as early as 1920 in the district but no production has come from the district to date.

"Burro Mountains—Uranium mineralization is found associated with fluorite at the following properties: Langford Mine—S 25, T 22S., R 16 W.; Hines Mine—S 34, T 21 S., R 14 W.; Purple Rock Mine—S 22, T 18 S., R 18 W. Minor amounts of autunite and uranophane are present at the Hines and Langford properties.

"Gold Hill District—Uranium and thorium mineralization is found associated with Precambrian pegmatite dikes. Euxenite, allanite, and samarskite have been noted.

"Black Hawk District—Uranium occurring possibly as pitchblende with Ni, Co, and Ag are found on the dumps of the Black Hawk and Alhambra Mines in S 20, 21, 28 and 29, T 18 S., R 16 W."

Sierra County

"Highly radioactive materials have been found near the south end of the Caballo Mountains, southeast of the Caballo reservoir. Uranium and in places thorium mineralization occurs in interstitial chlorite and in seams and fractures in a highly altered granite mass. Some fluorspar and minor amounts of galena are present.

"An occurrence of pitchblende-type mineralization has been found in minor amounts along a thin shear zone in Precambrian schist at the southern limits of Truth or Consequences.

"Uranium mineralization has been found at the Terry Bros. property (also known as the Hanosh Prospect) near Monticello. Mineralization which includes some uranophane is found with dark purple fluorite in brecciated chert.

"Uranium mineralization is found at the Blanchard Hanson property on the west side of the Caballo Mountains 5 miles south of Truth or Consequences. Mineralization occurs in dark purple fluorite and includes some uranophane.

"Minor points of uranium mineralization occur at many other scattered points along the Caballo Mountains.

"Other uranium occurrences are reported from the Winston, Hermosa, Cuchillo areas, but have not been verified."

The Company emphatically makes no representation that any of its Sierra and Grant County property is located near or adjacent or even in the general area of the uranium mineralization occurrences as noted above in the Bureau of Mines Circular 29. However, based on such report, the Company believed the property involved in these two counties to be worthy of prospecting,

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Name and Address	Class	Securities Owned Both of Record and Beneficially		Securities Owned Beneficially but Not Owned of Record	
		Amount	% of Class*	Amount	% of Class
Raymond E. Bair, 5704 W. 61st Terrace, Mission, Kansas	Common	13,800	6.13%	None	None
James V. Reynolds, 903 South Madison, Webb City, Missouri	Common	600	0.26%	41,400**	18.4%
Joseph M. Clark, 6001 Reinhardt Drive, Mission, Kansas	Common	6,000	2.66%	None	None
Buford Everett, 515 Clay Street, Plattsburg, Missouri	Common	12,000	5.33%	None	None
A. S. Owen, Route #1, Gashland, Missouri	Common	12,000	5.33%	None	None
Charles C. Shafer, Jr., 415 E. 81st Street, Kansas City, Missouri	Common	7,200	3.2%	None	None
Herbert Blitz, 3429 Charlotte, Kansas City, Missouri	Common	6,000	2.66%	None	None
George W. Garrett, 35 W. 69th Terrace, Kansas City, Missouri	Common	12,000	5.33%	None	None
C. L. Froeschl, 5307 W. 57th Terrace, Mission, Kansas	Common	6,000	2.66%	None	None
George R. Haydon, 631 Westover Road, Kansas City, Missouri	Common	12,000	5.33%	None	None
Hugh L. Libby, 5000 W. 60th Terrace, Mission, Kansas	Common	6,000	2.66%	None	None
Lewis D. Linville, 424 E. 73rd Terrace, Kansas City, Missouri	Common	12,000	5.33%	None	None
Buford J. Lutz, 2401 W. 51st Terrace, Kansas City, Kansas	Common	12,000	5.33%	None	None
Lancie L. Watts, 7101 Washington, Kansas City, Missouri	Common	10,800	5%	None	None
Howard Willey, 2915 W. 92nd Place, Kansas City, Missouri	Common	6,000	2.66%	None	None
John W. Belger, Route #3, Hickman Mills, Missouri	Common	3,000	1.33%	None	None
Larry Belger, Route #3, Hickman Mills, Missouri	Common	3,000	1.33%	None	None

Name and Address	Class	Securities Owned Both of Record and Beneficially		Securities Owned Beneficially but Not Owned of Record	
		Amount	% of Class*	Amount	% of Class
John A. Boyd, 37 E. 69th Street, Kansas City, Missouri	Common	6,000	2.66%	None	None
Bess R. Bushman, P. O. Box 107, St. Joseph, Missouri	Common	6,000	2.66%	None	None
C. E. Clark, Jr., 9206 Belinder Drive, Kansas City, Missouri	Common	6,000	2.66%	None	None
H. H. Libby, 630 E. 73rd Terrace, Kansas City, Missouri	Common	6,000	2.66%	None	None
Thomas C. King, 4911 Inspiration Drive, Albuquerque, New Mexico	Common	7,200	3.2%	None	None
F. E. Rolfe, 6835 Oak Terrace, Kansas City, Missouri	Common	3,000	1.33%	None	None
Aileen Z. Rolfe, 6835 Oak Terrace, Kansas City, Missouri	Common	3,000	1.33%	None	None
John Linville, 125 E. 70th St., Kansas City, Missouri	Common	6,000	2.66%	None	None

*Percentage based on 225,000 shares, i.e., exclusive of Treasury Shares.

**The holder of record of this stock will be the Joplin Machinery and Electric Company of which Mr. James V. Reynolds is President.

TRANSACTIONS WITH MANAGEMENT

The Company acquired all of the claims, permits, and participations set forth under the caption "Properties" from the Joplin Machinery and Electric Company, a corporation organized under Missouri laws, whose principal address is Engineers Building, Joplin, Missouri. Mr. James V. Reynolds is President of Joplin Machinery and Electric Company. Under the terms of the contract, the Joplin Machinery and Electric Company exchanged all of such properties for 82 shares of the original Common stock of the Company, $55,441.91 in cash and notes and an over-riding royalty of 2½% of the gross income from such properties. In accordance with the terms of a prior contract between the Joplin Machinery and Electric Company and Mr. Thomas C. King, the provisions of which are not pertinent to this Prospectus, Mr. King is to receive a portion of the stock, cash, notes, and over-riding royalties as compensation earned while employed by the Joplin Machinery and Electric Company. In addition to the land, claims, permits and mining participations received by the Company under the aforementioned contract, the Company also received $9,546.29, consisting of trucks, automobiles, geiger counters, scintillators, surveying instruments, and assorted office equipment, all presently located in the Company's Mining Division Office at Grants, New Mexico.

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tain ownership of such claims. The assessment work usually consists of surveys, discovery cuts, road building, or some similar activity directly on the property involved. The Company will have one year from the date of recording of the Federal Claims in which to do such assessment work. The Company intends to do the $100.00 assessment work per claim on such claims as the Company's geologist recommends.

All of the Zuni claims—both State and Federal—are located in the Cibola National Forest in Northern Valencia and Southern McKinley Counties, New Mexico, in the area of the Zuni Mountains. These mountains form the southern boundary of the San Juan Valley which is a physiographic division of the Colorado Plateau. The areas under claim to the Company are approximately 30 miles west-northwest from Grants, New Mexico, and 15 miles southeast from Gallup, New Mexico. The property is arranged in two separate but parallel northwest-southeast trending tracts bordering the central core of the Zuni Mountains.

Thus far in the limited prospecting work done on the Zuni claims, airborne surveys indicate the presence of radioactive anomalies. However, no representation is made by the Company that the existence of aerially detected radioactive anomalies indicate the presence of uranium ores.

Radioactive anomalies may arise from sources other than uranium and do not in any case show whether a commercial deposit of uranium ore exists.

The Company employed Dr. Waldemere Bejnar, Consulting Geologist of Socorro, New Mexico. Dr. Bejnar made no field study of the properties and states in his report: "The geology of the area under lease has only been studied by the writer on geologic maps." In his evaluation, Dr. Bejnar states as follows: "The area of the Zuni Mountain Leases is in the general area of the most productive uranium properties in New Mexico. This fact is enough incentive to prospect the area. The formations believed to outcrop on these leases are not the most favorable since no major deposits are known in the Chinle and Permian beds in this part of New Mexico. However, producing mines in the Chinle and Shinarump formations are known in the states adjoining the northwest corner of New Mexico. In central and northeastern New Mexico prospects are known in the Permian beds. In view of the possibilities that exist plus the location of several aerial detected radioactive anomalies, it appears that continued prospecting from the air and on the ground is warranted."

The entire Zuni area is easily accessible by well-maintained forestry roads joining up with Highway 66. A limited amount of access roads from the forestry road to particular sections will be necessary.

Sierra and Grant County Claims

The Company has permits from the Commissioner of Land of the State of New Mexico for 37,430 acres of land located in Sierra and Grant counties. These prospecting permits are issued under the same conditions and terms as heretofore set forth under the caption "Zuni Claims".

These permits were obtained under date of December 1, 1954. The Company has not had the opportunity to prospect any of the Sierra and Grant County permits, but acquired such permits based on the fact that the Bureau of Mines of New Mexico has published in its Circular

(1) The 216 Zuni-Federal claims and 10 of the Springtime claims are subject to $100.00 assessment work per claim per year in order to retain such claims. Therefore, $22,600.00 must be spent each year if all Federal claims are retained.

General Statement concerning Company's Properties:

The location of the property held by the Company has been set forth in the previous table and is also shown on the maps contained in this Prospectus. Except as may be shown in succeeding paragraphs, there have been no improvements, underground openings, or any development whatsoever on any of the Company's properties. The work done to date by the Company has consisted entirely in the acquisition of claims and permits.

The title to all of the Company's properties has been verified in so far as possible by the Company's attorneys, Messrs. Watts and Shafer, and no major defects or impairment of title have been noted. The royalties payable on the claims and permits have been set forth heretofore under this heading.

Except as stated in succeeding paragraphs, there have been no operations by any previous operators on any of the Company's properties.

Zuni Claims:

The Zuni claims are described as "State" and "Federal" because of different ownership. Those described as State claims are prospecting permits obtained from the State of New Mexico. Under the applicable regulations of the Commissioner of Land of the State of New Mexico prospecting permits are issued on various State owned land. These permits allow the holder thereof to prospect on such State land for a period of one year. Upon the discovery of any valuable ores or minerals, application is made to the State of New Mexico for a lease covering such property. At the present time the State of New Mexico is requiring a royalty of 5% as the consideration for granting a mining leasehold on such State properties for a 5 year period.

The claims described as Zuni-Federal claims are upon lands owned by the Federal government on which mining claims or lode locations have been made on behalf of the Company by the placing of appropriate notices, monuments and markings on the property, and the filing of such lode locations in the County in which such property is located. While the Zuni-State claims are certain as to title because such permits are issued by the Commissioner of Land of the State of New Mexico, there is no assurance of title on the Zuni-Federal claims. A title search of the Los Lunas County Recorder's Office reveals no prior filing of claims on the Zuni-Federal claims owned by the Company. Likewise, no indication of prior notices, monuments, or markings were discovered on any of such claims. The Company has no assurance that its claim to such Federal land is legally clear and valid, but believes that it has taken all of the necessary steps to protect its right to such Federal lands.

The Zuni-State permits require that the permittee shall begin prospecting work within 90 days from the date of such permit. These permits were granted on August 23, 1954, and September 29, 1954, and prospecting work is presently underway on such property. In addition, the Company has conducted a limited airborne survey of the entire Zuni area in an attempt to locate radioactive anomalies.

The Zuni-Federal claims, which were recorded on September 29, 1954, October 11, 1954, and December 9, 1954, require at least $100.00 assessment work to be done each year in order to main-

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Because of the intangible value of the undeveloped properties, and the inability to determine the worth for which the stock was issued, the value of the assets received for the issuance of said stock was determined by the Board of Directors to be $20,700.00. The transaction between the Missouri Uranium Company, the Joplin Machinery and Electric Company, Mr. James V. Reynolds, and Mr. Thomas C. King was not an arm's length transaction.

No representation is made that the value of the assets, claims, permits, leases and other mining participations received by the Company in exchange for stock, cash, notes and the agreed over-riding royalty is greater than or has less value than the particular value of the stock, cash, notes, and over-riding royalty agreement delivered for such properties.

As of the date of this offering, $45,000.00 in notes is due to the Joplin Machinery and Electric Company as a part of the cash consideration of $55,441.91. The notes are secured by a mortgage against all such property received from the Joplin Machinery and Electric Company. The notes are payable at the rate of $5,000.00 per month starting March 1, 1955 and bear 5% interest from December 13, 1954, until paid. The contract provides that the notes may be paid in advance at any time without interest penalty except for such interest as is actually due from the issuance date to the date of payment.

When the Company recapitalized in December, 1954 (See caption "Recapitalization") so as to provide for 150,000 shares of $5.00 par value Preferred Stock and 375,000 of no-par value Common stock, the Joplin Machinery and Electric Company et al, agreed to donate back to the corporation 40% of its par value Common shares. Under the terms of the contract of purchase, the $8,200 of "original Common stock" issued as a part of the purchase price as set forth above, was issued as follows:

Joplin Machinery and Electric Co.	$6,900
James V. Reynolds	100
Thomas C. King	1,200
Total	$8,200

Thereafter the above parties donated 40% of their stock to the Company and exchanged the balance for 49,200 shares of no par value Common stock which is now held as follows:

Joplin Machinery and Electric Co.	41,400	shares
James V. Reynolds	600	shares
Thomas C. King	7,200	shares
Total	49,200	shares

No officer, director or stockholder has any direct or indirect material interest by contract, option, or otherwise in the issuer, or of any assets proposed to be acquired or operated by the Company except as set forth in the Prospectus.

LITIGATION

As of the date of this Prospectus, there is no litigation pending or threatened against the Company.

LEGALITY

Legal matters in connection with the stock offered hereby, are being passed upon for the Company by Messrs. Langworthy, Matz and Linde, Union National Bank Building, Kansas City, Missouri and for the Underwriters by Messrs. Gage, Hillix, Moore, Park & Jackson, Bryant Building, Kansas City, Missouri.

MISCELLANEOUS

The Company will mail annually to its stockholders, audited financial statements which shall contain at least a Balance Sheet, Profit and Loss Statement, and a Surplus Reconciliation covering each fiscal year. The Company also plans to mail semi-annually to its stockholders unaudited financial reports.

UNDERWRITING

The Company has entered into an underwriting contract with Dale E. Klepinger and Associates (hereafter called "Underwriter") with respect to the stock offered hereunder. The Underwriters associate other underwriters or selling groups with it.

The price per unit to be paid by the Company to the Underwriter is 7½% or 37½¢ per each unit sold for $5.00. The commission of 37½¢ constitutes the sole commission or discount payable to the Underwriter, who has no options whatsoever to acquire any portion of the stock of the Company.

The Underwriter has entered into what is known as a "best efforts" underwriting contract, by which it will act as Agent for the Company and use its best efforts to sell the 150,000 units offered herein. There is no obligation on the part of the Underwriters to subscribe for, purchase, or take up any of the stock offered hereunder.

Under the terms of the contract, the Underwriter is to be reimbursed for all expenses incurred by it, with the exception of its normal office overhead. It is provided by the contract that the Company shall pay all expenses of printing the Prospectus, advertising, transfer and registration fees, a reasonable fee for the Underwriter's counsel, based on prevailing rate for the services rendered and such other expenses as are incidental to the sale of the stock to the public.

EXPERTS

The financial statement contained in this Prospectus and the financial statement contained in the Registration Statement have been examined by Peat, Marwick, Mitchell & Co., independent certified public accountants, whose certificate with respect thereto, appears herein and is included in the Prospectus and in the Registration Statement in reliance upon the report of said firm and upon their authority as experts in making said report.

The geological reports which have been prepared for the use of the Company and are entirely preliminary in nature, were prepared by Dr. Waldemere Bejnar of Socorro, New Mexico, an independent contracting geologist. Portions of Dr. Bejnar's geological report were included in the Prospectus and in the Registration Statement in reliance upon his opinion as an expert in giving such report.

A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

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New Mexico (approximately 50 miles from the center of the Company's major holdings). An allowance for haulage in the amount of 6¢ per ton mile for the transportation of ores from the mine to the receiving station is paid by the A.E.C. up to a maximum of 100 miles. The Company believes that the 6¢ per ton mile allowance will adequately pay the entire transportation costs for the hauling of ores from the mine sites to the receiving station at Bluewater. Although another receiving station is located near Farmington, New Mexico, it presently appears that the Company will not use the facilities of that receiving station because of the greater transportation distance involved.

A depletion allowance of 23% of gross income (limited to 50% of net income) is allowable under the current Internal Revenue laws in the computation of income taxes for uranium produced.

The Company makes no attempt herein to predict the future trend of its business or results of exploration, drilling, or other operations, or to forecast its earnings, or to estimate future events, developments or changes, such as costs and availability of labor and equipment, competition, government regulations and changes in tax rates, market pricing, transportation rates and drilling or production costs.

PROPERTIES

The Company presently holds mining leases, permits, and claims covering approximately 57,356 acres and divided into 2,891 claims and permits. The leases, permits and claims are described as follows: (See map for approximate locations.)

Name	Nearest Location	Number of Claims	Approx. Acreage	Royalty Payable*	Nature of Ownership or Title
Zuni-State Claims	Grants, New Mexico	762	15,240	6%	State Permits
Zuni-Federal Claims	Grants, New Mexico	216(1)	3,840	2%	Filing of Claims
Sierra and Grant Claims	Sierra and Grant County, New Mexico	1,871	37,430	2½%	State Permits
Elephant Lode	Socorro, New Mexico	9	173	0	Owned in fee
Davidson Group**	Farmington, New Mexico	20	413	12½%	Lease
Springtime***	Socorro, New Mexico	13(1)	260	0	3 claims owned in fee, balance by filing of claims
		2,891	57,356		

*Exclusive of 2½% royalty payable to Joplin Machinery & Electric Company et al. See caption "Transactions with Management."

**Presently under negotiation for sale.

***Presently under option for sale. Option must be exercised by February 25, 1955.

If the exploratory work planned by the Company reveals the existence of ore bodies, then the Company will enter into the second phase of its planned operations; namely, that of producing ores from its properties. The extent of the development to be done on the Company's properties depends on the favorable outcome of the exploration work.

Purchase and Sale of Claims and Permits:

A minor phase of the Company's planned operations includes the purchase and sale of claims and permits. By this is meant, the Company plans to purchase from time to time or to acquire under lease certain lands, claims, and permits as may be made available to it by other land owners. Such of the claims and permits as are adaptable to the Company's planned operations and which bear a reasonable promise of containing uranium or other valuable minerals, will be added to the Company's present properties for exploration, development, and possible production. Such land as is acquired and which is not adaptable to the Company's planned operations because of location or capital investment required, will be made available for sale or lease to any individual, partnership, or corporation interested in acquiring such property upon a mutually agreeable basis. To illustrate this phase of the Company's operations, reference is made herein to the sale of a group described as the Springtime Group. (See the caption "Properties" for details.)

URANIUM

At the present time under existing laws, the United States government through its Atomic Energy Commission is the sole purchaser of uranium mined in this country. Under the existing purchasing program, as set forth by the A.E.C. in the Federal Register, Docket 53-8782 and Docket 53-8783, and as set forth in Domestic Uranium Program 5, as revised, the A.E.C. has established a guaranteed minimum price schedule for uranium U_3O_8 until March 31, 1962. Under such price schedule, payment is now made by the A.E.C. for ores assaying 0.10% or more of uranium. In addition to paying a price ranging from $1.50 per pound for ores assaying 0.10% or more up to $3.50 per pound for ores assaying 0.20% or more per ton, certain grade premiums, mine development allowances, an initial production bonus and haulage allowances are paid for the uranium ores produced.

The grade premium payments are made at the rate of 75¢ per pound for each pound of uranium in excess of 4 pounds found in each ton of ore and a further grade premium of 25¢ per lb. for each pound in excess of 10 pounds of uranium found in each ton of ore. The mine development allowance is 50¢ per lb. for each pound of uranium found in each ton of ore and is paid by the A.E.C. for the maintenance and increased development of mines yielding uranium ores. In accepting the mine development allowance, the seller must agree to spend such allowance for the development or exploration of their properties and satisfy the A.E.C. that such expenditures were actually made.

The A.E.C. also pays an initial production bonus of $3.50 per pound for the first 10,000 pounds of U_3O_8 produced by a seller. The eligibility for such bonus is determined by application made to the A.E.C. and certification by such Commission as to eligibility for payment thereof.

At the present time, there are two receiving and buying stations in the general area of the Company's property. The nearest station is that of Anaconda Copper Company at Bluewater,

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PEAT, MARWICK, MITCHELL & CO.

CERTIFIED PUBLIC ACCOUNTANTS

ACCOUNTANTS' REPORT

To the Board of Directors,
Missouri Uranium Corporation:

We have examined the statements of assets and capitalized expenses, liabilities and capital shares of Missouri Uranium Corporation (a Missouri corporation) as of December 31, 1954 and the statements of expenses and of cash receipts and disbursements for the period from May 14, 1954 (date of incorporation) to December 31, 1954. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying statements present fairly the assets and capitalized expenses, liabilities and capital shares of Missouri Uranium Corporation at December 31, 1954 and its expenses and cash transactions for the period from May 14, 1954 to December 31, 1954 in conformity with generally accepted accounting principles.

PEAT, MARWICK, MITCHELL & CO.

Kansas City, Missouri
January 11, 1955

MISSOURI URANIUM CORPORATION

STATEMENT OF ASSETS AND CAPITALIZED EXPENSES

DECEMBER 31, 1954

	Shares*	Cash
Current assets:		
Cash		$23,014.18
Prepaid insurance		711.88
Total current assets		23,726.06
Unrecovered contract mining costs (note 1)		8,698.38
Equipment (note 2)	22,691	
Non-operating properties (note 2):		
Land:		
Springtime group	20,566	
Elephant Lode group	5,943	
Mining claims and permits:		
Zuni Mountain and Davidson groups		51,750.00
Sierra and Grant Counties groups		3,691.91
Undistributed claims cost		1,696.58
Organization expense		652.61
Total assets	49,200	90,215.54

*After exchange and donation, see note 5.

MISSOURI URANIUM CORPORATION

STATEMENT OF LIABILITIES

DECEMBER 31, 1954

Current liabilities:		
Notes payable:		
Bank (note 3)		$29,300.00
Other (note 2)		45,000.00
		74,300.00
Accounts payable:		
Operating and exploration expenses	$11,304.94	
Acquisition of property	3,691.91	14,996.85
Total liabilities		$89,296.85

See accompanying notes to financial statements.

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On August 10, 1954, Mr. Thomas C. King, Metallurgist and Mining Consultant for Joplin Machinery and Electric Company, prepared an initial drilling grid based on the drilling which had been done on the two claims by the Trust. Mr. King estimated that the Red Bluff 3 and 9 claims contained ore bodies as follows:

Red Bluff No. 3—1,520 tons of 0.17% U_3O_8—estimated value of $17,571.20*

Red Bluff No. 9—2,115 tons of 0.23% of U_3O_8—estimated value $72,967.50*

*Before production costs.

Mr. King did not estimate the percentage of uranium by chemical analyses, but estimated the percentage of uranium by using Geiger Counter probes which had been correlated to chemical analyses at the Anaconda Copper Corporation's buying station in Bluewater, New Mexico. The correlation of the Geiger Counter was made by adjusting such counter to specimens of ore which had been determined by Anaconda Copper through chemical analyses to contain certain percentages of uranium.

The Company makes no representation that either the tonnage or percentage of uranium (U_3O_8) estimated by Mr. King will prove to be correct. Without chemical analyses, the stated grades of U_3O_8 estimated by Mr. King are indicative only, rather than conclusive. Furthermore, uranium ore bodies as such, are small and occur at irregular intervals and depths.

It is the Company's intention to make its services available for the removal of uranium ores (or any other ores or minerals) from the land or claims owned by any individual desiring to utilize the Company's services. It is the Company's further intention to use such profits, if any, from its public contracting business for the exploration, development and possible production of ores on the Company's own claims if such ores are discovered. Likewise, it is the Company's intention to use the bulk of the funds received from the present offering to further its public contracting operations. (See caption "Use of Proceeds").

Production on Company's Claims:

The Company, as of the date of this Prospectus, is not in production on any of its claims or permits (for description see the caption "Properties"). The very recent acquisition of claims and permits, coupled with the lack of adequate financing, has prevented the Company from carrying out anything other than a cursory exploration program. Limited prospecting has been done on the Zuni claims and permits by the Joplin Machinery and Electric Company. This Company owned the claims for about six to eight months before selling them to Missouri Uranium Corporation. During the time that the vendor owned the property, the principal work consisted of airborne surveys of the Zuni area. While the airborne surveys indicated the presence of several radio-active anomalies (in connection with anomalies see cautionary statement in reference thereto under the caption "Zuni Claims"), vendor sold the claims to the Company before it performed any ground exploratory work on such claims. However, no drilling, exploratory or development work has been done on any of the Zuni, Sierra, or Grant County permits which comprise the great majority of the Company's property. Until sufficient core drilling, airborne surveys, assays, scintillator surveys, and geologists' investigations are made, it will be impossible for the Company to determine if it has any claims or permits on which uranium ores or any other minerals are present.

BUSINESS

It is believed by the Company that mining operations are actually divided into three distinct categories, namely—

1. **Contract or removal.** The removal of ores from proven ore bodies under operating contracts with the persons owning such ore bodies.
2. **Mining.** The actual mining, production and sale of ores, if any, from the Company's own claims and permits.
3. **Sale of Claims.** The sale of claims and permits to individuals, partnerships or corporations which might desire to buy the same.

Public Contracting

Due investigation by the Company has revealed the fact that in some instances individuals have discovered proven ore bodies and then lacked the proper financing and/or operational "know how" necessary to profitably remove the ores from their property. Therefore, the Company, as a major phase of its planned operations, is making itself available as a public contractor for the removal of uranium ores from proven ore bodies on a profit sharing basis. In other words, the Company intends to supply the operating capital, heavy equipment, i.e., bulldozers, power shovels, compressor, drills, trucks, etc., and the technical "know-how", supervision, and man power with the property owner supplying the proven ore body. Then the profits of the operation will be divided upon a previously agreed basis.

The Company presently rents all of its heavy construction equipment from Funkhouser Machinery Company, List and Clark Construction Company and Newlin Machinery Company. The machinery is rented under a plan whereby the rentals may be applied towards the purchase price of such machinery. The rental rates are those presently prevailing in the industry. The Company intends to purchase as quickly as it can, all of the necessary heavy construction equipment which will be required. If such equipment is obtained from any company with which an officer or director of Missouri Uranium Corporation is affiliated, the price to be paid for such equipment shall be determined by competitive bids. The Company intends to purchase all of its heavy construction equipment on a competitive bid basis and no purchase will be made from companies which have officers and directors affiliated with Missouri Uranium Corporation, unless the bids of such companies are the lowest of the bids received.

The first contract entered into by the Company for the removal of ores from a proven ore body covered two claims described as Red Bluff 3 and 9. The contract, a copy of which has been filed with the Registration Statement and may be obtained upon payment of the fee described by the Regulations of the Securities Exchange Commission, Washington, D. C., provides for the Company to furnish everything necessary for the removal of the proven ore bodies on these claims. The two claims are located about ten miles northwest of Grants, New Mexico, and are under lease to a Trust which pays a 20% royalty to the land owners. The contract basically provides that the profits of the operations, after deduction of royalty and operating costs, will be divided equally between the Company and the Trust owning the lease. (In November, 1954, the Company began shipping machinery and supplies to the Red Bluff site. It is now engaged in removing the "overburden", i.e., waste rock and sand, preparing for the actual mining which will commence in February, 1955.)

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MISSOURI URANIUM CORPORATION

STATEMENT OF CAPITAL SHARES

DECEMBER 31, 1954

	Shares
5% Preferred, non-cumulative, par value $5.00 per share (note 4):	
Authorized and unissued	150,000
Common, no par value (note 5):	
Authorized and issued for (after giving effect to exchange of $100 par value stock for no-par value stock):	
Cash of $29,300.00	293,000
Equipment	37,818
Land	44,182
	375,000
Less—donated pro-rata by shareholders and held in treasury (reserved for issue on a share-for-share basis with preferred stock)	150,000
Outstanding	225,000

No underwriting discounts or commissions were incurred in connection with the sale of shares to and including December 31, 1954.

See accompanying notes to financial statements.

MISSOURI URANIUM CORPORATION

STATEMENT OF EXPENSES
(Charged off on Books)

MAY 14, 1954 TO DECEMBER 31, 1954

	May 14, 1954 to June 30, 1954*	July 1, 1954 to December 31, 1954
Geologists' fees and other exploration expenses	$1,159.86	19,171.33
Assay expenses	—	382.50
Taxes, other than taxes on income	10.00	545.55
Cost of claims acquired, proved to be non-productive by exploration, and abandoned	150.00	1,350.00
Traveling expenses	353.19	1,877.46
Telephone and telegraph	18.86	131.16
Other general and administrative expenses	173.69	2,926.75
Interest expense	—	130.96
Total expenses	$1,865.60	26,515.71

*Fiscal year adopted by the Company.

MISSOURI URANIUM CORPORATION
STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS
MAY 14, 1954 TO DECEMBER 31, 1954

	May 14, 1954 to June 30, 1954*	July 1, 1954 to Dec. 31, 1954
Receipts:		
Sale of common capital stock	$12,000.00	17,300.00
Bank loan	—	29,300.00
Sale of Midwest Uranium Company capital stock**	—	10,000.00
Total receipts	12,000.00	56,600.00
Disbursements:		
Legal and accounting fees	408.31	1,515.55
Fees of geologists	359.86	1,475.46
Payments on leases and purchase contracts:		
Claims acquired, proved to be non-productive by exploration, and abandoned	—	1,500.00
Zuni Mountain and Davidson groups	—	6,750.00
Undistributed claims cost	—	1,696.58
Salaries and wages, other than officers and directors	—	5,901.94
Merchandise, materials and supplies	31.07	1,871.58
Taxes	—	435.00
Purchase of Midwest Uranium Company capital stock**	7,000.00	3,000.00
Expenses on sale of Midwest Uranium Company capital stock		56.20
Contract mining expenses	—	1,635.62
Traveling expenses	—	5,695.72
Other disbursements	665.19	5,587.74
Total disbursements (note)	8,464.43	37,121.39
Net increase in cash during period	3,535.57	19,478.61
Cash balance at beginning of period	—	3, 535.57
Cash balance at close of period	$ 3,535.57	23,014.18

*Fiscal year adopted by the Company.
**100,000 shares acquired as investment, subsequently sold.
Note: The foregoing disbursements are reconciled with the statement of expenses as follows:

Disbursements (Exclusive of purchase of Midwest Uranium Company Capital Stock):		
May 14, 1954 to June 30, 1954		$ 1,464.43
July 1, 1954 to December 31, 1954		34,121.39
		35,585.82
Add:		
Accounts payable for operating and development expenses		$11,304.94
		46,890.76
Deduct items capitalized and deferred:		
Unrecovered contract mining costs	8,698.38	
Prepaid insurance	711.88	
Mining claims and permits	6,750.00	
Undistributed claims cost	1,696.58	
Organization expense	652.61	18,509.45
Expenses charged off on books:		
May 14, 1954 to June 30, 1954	1,865.60	
July 1, 1954 to December 31, 1954	26,515.71	28,381.31

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After many conferences had been held with men who were engaged in mining or quarry work and in the heavy construction industry, it was found that a considerable number of them were interested in forming this specialized mining corporation. The initial group of heavy contractors, contractors' machinery manufacturers and representatives, and mining men decided to invite other stockholders particularly skilled in general business methods and operations, banking and law.

After incorporation, the Company began to acquire claims on which to prospect for uranium. Although the Company believed that it had adequate "know-how" to conduct profitable mining operations, it became apparent very early in its history that it would be necessary to bring in individuals who had had particular experience in uranium. After casting about for several months, it was found that Mr. James V. Reynolds of Joplin, Missouri, had an organization which the Company believed would suit its purposes.

Mr. Reynolds had been in the lead and zinc mining industry in the Joplin area as President of the Joplin Machinery and Electric Company for many years until the lead and zinc prices began to fall to unprofitable lows. At that time, about two and one-half years ago, Mr. Reynolds began to branch out into the uranium field. He started an organization consisting of himself, a mining engineer, a metallurgist, and several day laborers. His mining organization was located in Grants, New Mexico and has functioned in that area since 1952. Mr. Reynolds' organization did not produce any uranium ore, but limited its activity to the acquisition and sale or lease of land.

The Company contacted Mr. Reynolds to see if the efforts of the two Companies could be consolidated. It was the joint opinion and belief that the experience which the Company's stockholders had had in mining operations, heavy construction work, and earth moving operations, applied to the claims and permits owned by Mr. Reynolds' organization, might produce a successful operation. After a few weeks of negotiations, the Joplin Machinery and Electric Company and the Company joined efforts with Mr. Reynolds' corporation becoming one of the major stockholders in the Company.

PURPOSE OF THE PRESENT OFFERING

The purpose of the present offering is to secure financing to enable the Company to contract with the owners of proven uranium ore bodies for the removal of such ores on a profit sharing basis, to secure adequate financing to carry on a planned program of exploration and development work on the Company's properties, as hereinafter described, and to the extent that funds are available to commence preliminary mining operations in areas deemed suitable by the results of such exploration work.

No representations is made or intended that the exploration work planned by the Company will result in the discovery of any uranium ore.

The Company has not attempted thus far to secure operating contracts for the removal of uranium ores, because of the absence of sufficient funds with which such contracts could be carried out if obtained. However, as the result of its preliminary work on the Red Bluff site (see caption "Public Contracting") several individuals have approached the Company's representatives in Grants, New Mexico with the request that the Company consider mining out their property. These requests have been answered by the Company to the effect that if and when sufficient financing is obtained the Company will contact such individuals and enter into negotiation with them for contracts, if their property contains known bodies of uranium ore.

While the Board of Directors is required to set aside 25% of the Company's profits, if any, after taxes, as a sinking fund for the redemption of said preferred stock, it may determine not to declare dividends from profits if such course, in its judgment, is for the best interest of the Company's business.

As is more fully described herein under the caption "Transactions with Management," pages 30-31, the Company paid to Joplin Machinery & Electric Co., James V. Reynolds and Thomas C. King, 49,200 shares of its present common stock, $10,441.91 in cash and $45,000.00 in promissory notes in return for all of the Company's mining properties, permits, and claims and for trucks, automobiles, Geiger Counters, Scintillators, and other surveying and prospecting instruments and equipment which are now in the use and possession of the Company. In addition, the sellers retained an overriding royalty of 2½% of the gross income of such mining properties. The value of the properties and equipment, so acquired, were fixed by the judgment and action of the Board of Directors and were acquired by the sellers at a cost of $39,100.27. In addition, the Company issued and sold 175,800 shares of its common stock for a cash consideration of $29,300.00. Therefore, 225,000 shares of common stock have been issued to the promoters and management for cash in an amount of $29,300.00, and properties, claims and equipment which cost $39,100.27, totaling $68,400.27, or at the rate of $0.304 per share of common stock.

Giving effect to the complete sale of the proposed offering, purchasers of the preferred and common stock herein offered will have provided 91.64% of the cash and cost of the properties, claims and equipment received by the registrant and will hold 40% of the voting control in addition to 100% of the Company's preferred stock, whereas the promoters and management will retain 60% of the voting control by reason of their ownership of the common stock not embraced in this prospectus.

THE COMPANY

The Missouri Uranium Corporation was incorporated under the laws of the State of Missouri on May 14, 1954. The Company is qualified to do business as a foreign corporation in the states of New Mexico and Utah. Its principal office is located at 415 Commerce Trust Building, 10th and Walnut Streets, Kansas City, Missouri. The Mining Division Office is in the Fidel and Rouse Building, Grants, New Mexico.

The Company will endeavor to obtain contracts for the mining of proven deposits of uranium ores and plans exploration for uranium deposits on the Company's properties. The properties presently held by the Company are in the exploratory stage and are without known bodies of commercial ore.

The Company has not yet operated any uranium mining properties on a contract basis, but has entered into contract for the removal of the uranium ores believed to be on Red Bluff 3 and 9 (see caption "Public Contracting" for status of the Company's first contract.)

The Company was organized as the result of visits made by some of its present stockholders to uranium mining areas in Utah. As a result of these visits to producing areas, it was decided to organize a specialized uranium mining corporation in which the initial stockholders would be selected because of their particular ability to serve the corporation by reason of experience and technical background. (See caption "Management" for detailed listing of experience of the Company's stockholders.)

A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

MISSOURI URANIUM CORPORATION

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1954

1. **Unrecovered contract mining costs:** These costs represent costs of removing the overburden and preparation for mining at the mining claims known as Red Bluff No. 3 and No. 9. These claims are not owned by the company and are being mined under contract on a division of profits basis. At December 31, 1954, no ore had been mined.

2. **Equipment and non-operating properties:** The equipment and non-operating properties were acquired from promoters under a contract dated December 13, 1954 whereby the company issued 82 shares of the then outstanding common stock of a par value of $100.00 per share (49,200 shares after subsequent exchange and donation; see note 5) for the equipment and the land known as the Springtime and Elephant Lode groups; the consideration for the remaining non-operating properties was $55,441.91, consisting of cash paid, $6,750.00, cash payable by January 5, 1955, $3,691.91, and a first mortgage note payable, secured by all properties, $45,000.00. An overriding royalty of 2½% of gross income from the properties was retained by the sellers.

3. **Note payable to bank:** The note payable to bank is secured by individual promissory notes of various stockholders in the total amount of $29,300.00.

4. **5% preferred stock:** So long as any of the preferred shares are outstanding, and before any dividends are paid on any class of its stock, the company shall deposit each year in a special sinking fund for the redemption of the preferred stock the lesser of (1) 25% of the net income for the year, or (2) an amount sufficient to redeem all preferred stock then outstanding at the price of $5.25 per share. Such fund is to be used to redeem the preferred stock at a price not to exceed $5.25 per share at times and in the manner to be determined by the Board of Directors.

5. **Common stock:** On December 31, 1954, the authorized common stock of the company was changed from 500 shares with a par value of $100.00 per share to 375,000 shares without par value. 40% of the 375 shares of $100.00 par value common stock then issued and outstanding, or 150 shares, was donated to the company as treasury stock, with each stockholder donating 40% of his individual holdings. The common stock without par value was then issued in exchange for the $100.00 par value common stock at the ratio of 1,000 for 1, resulting in the 225,000 shares outstanding at December 31, 1954 and the 150,000 shares held in the treasury.

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A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

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MISSOURI URANIUM CORPORATION

(A Missouri Corporation)

REGISTRATION STATEMENT

Missouri Uranium Corporation (herein sometimes referred to as the "Company") has filed with the Securities and Exchange Commission, Washington, D. C., a registration statement (herein together with all amendments thereto, sometimes referred to as the "Registration Statement") under the Securities Act of 1933, as amended, with respect to 150,000 shares of Preferred Stock of the par value of $5.00 per share (herein sometimes referred to as "Preferred Stock") and 150,000 shares of Common Stock of no-par value (herein sometimes referred to as "Common Stock"). For further information with respect to the Company and to the Preferred and Common Stock, reference is made to the Registration Statement.

Except where otherwise indicated, this Prospectus speaks as of its date of issue. Neither the delivery hereof nor any sales made hereunder shall under any circumstances create any implication there has been no change in the affairs of the Company since the date hereof. Statements contained in this Prospectus as to the contents of any contract or other document referred to are not necessarily complete and in each instance reference is hereby made to the copy of such contract or other document as is indicated herein to be filed as an exhibit to the Registration Statement, each such statement being qualified and exemplified in all respects by such registration.

IN CONNECTION WITH THIS OFFERING, THE UNDERWRITERS MAY OVERALLOT OR EFFECT TRANSACTIONS WHICH STABILIZE OR MAINTAIN THE MARKET PRICE OF THE PREFFERED STOCK AND OF THE COMMON STOCK AT A LEVEL ABOVE THAT WHICH MIGHT OTHERWISE PREVAIL IN THE OPEN MARKET. SUCH STABILIZING, IF COMMENCED, MAY BE DISCONTINUED AT ANY TIME.

INTRODUCTORY STATEMENT

As will be seen from the prospectus under the captions "Purpose of Offering," page 5, "Business," page 6, and "Use of Proceeds," pages 14-16, the Company plans to engage in the business of contracting with owners of mining properties for the removal of ores for such owners on a profit-sharing basis and also to conduct a program of prospecting and exploration to a view of possible development of the Company's properties and claims, described herein on pages 9 to 14. While the exploratory work will be predominantly in search of uranium deposits, it cannot be stated at this time that the Company has known reserves of that mineral.

The underwriter, mentioned herein at page 32, has made no firm commitment for the securities offered in this prospectus, and there is no assurance that such funds will be raised by it to complete the program outlined under the caption "Use of Proceeds," as shown on pages 14 to 16. If less than the full amount of the funds here sought is realized, priority will be given to the Company's contracting and profit-sharing business.

The offering price to the public of $5.00 for a unit of one share of $5.00 par value 5% preferred stock (non-cumulative) and one share of common stock (no par value) has been fixed by the Company's charter and action of the Board of Directors.

(This page left blank intentionally.)

A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

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File in Docket
SMEA-2485

THIS PROSPECTUS DOES NOT CONSTITUTE AN OFFER BY ANY PERSON TO SELL PREFERRED OR COMMON STOCK IN ANY STATE TO ANY PERSON TO WHOM IT IS UNLAWFUL FOR SUCH PERSON TO MAKE SUCH OFFER IN SUCH STATE.

No person has been authorized to give any information or make any representations not contained in this Prospectus in connection with the offer made hereby and, if given or made, such information or representations must not be relied upon as having been authorized by the Company or the Underwriters.

ADDITIONAL INFORMATION

This Prospectus does not contain all of the information set forth in the Registration Statement. The information so omitted may be obtained from the Securities & Exchange Commission, Washington, D. C., upon payment of the fee prescribed by the rules and regulations of the Commission.

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MISSOURI URANIUM CORPORATION

150,000 shares Preferred Stock
(Par Value $5.00 per share)

150,000 shares Common Stock
(No Par Value)

PROSPECTUS

Dated ....., 1955

A registration statement relating to the securities referred to herein has been filed with the Securities and Exchange Commission, but has not yet become effective. Information contained herein is for informative purposes only, and is subject to correction and change without notice. Under no circumstances is it to be considered a prospectus, or as an offer to sell, or the solicitation of an offer to buy the securities referred to herein. No offer to buy or sell any such securities should be made and no order to purchase the securities herein referred to will be accepted unless and until a registration statement under the Federal Securities Act of 1933 relating to the securities herein referred to has become effective.

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PRELIMINARY
PROSPECTUS

MISSOURI URANIUM CORPORATION

150,000 Shares Preferred Stock* ($5.00 Par Value)
150,000 Shares Common Stock (No Par Value)

Offered in Units of One Share of Preferred Stock*
and One Share of Common Stock

$5.00 per Unit

Transfer Agent and Registrar

CITY NATIONAL BANK & TRUST CO. — KANSAS CITY, MISSOURI

THESE SECURITIES ARE OFFERED AS A SPECULATION.

THESE SECURITIES HAVE NOT BEEN APPROVED OR DISAPPROVED BY THE SECURITIES AND EXCHANGE COMMISSION NOR HAS THE COMMISSION PASSED UPON THE ACCURACY OR ADEQUACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

	Price to Public	Underwriter's Commission (1)	Net Proceeds to Company (2)
Per Unit	$5.00	$.375	$4.625
Total	$750,000.00	$56,250.00	$693,750.00

(1) The Company has agreed to indemnify the underwriter against certain liabilities under the Registration Statement and to pay the reasonable fees and expenses of counsel to the underwriter.

(2) Before deduction of expenses in connection with the offering, including legal fees, estimated not to exceed $46,925.00.

***5% non-cumulative dividend rate.**

Underwriter

DALE E. KLEPINGER & ASSOCIATES
1101 Waldheim Bldg.
Kansas City, Missouri

The date of this Preliminary Prospectus is February 4, 1955.

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

June 22, 1964

Mr. Dennis Patterson
Route 2
Granby, Missouri

Re: DMEA-2485 (Lead-Zinc)
Dale Mining Company
Patterson Mine
Newton County, Missouri
Contract Idm-E325

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

s/ W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 14 1964

DATE	INITIALS	CODE
7/14		900
7-14		200
7/14		110
		120

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. ~~Since~~ September 10, 1963, to June 22, 1964, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. ~~Since~~ September 10, 1963, to June 22, 1964, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

   has been No Mining for years

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Dennis Patterson Title owner of land

Address Granby Mo Route 2 Date June 23 - 1964

4511

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

September 3, 1963

Re: DMEA-2485 (Lead-Zinc)
Dale Mining Company
Patterson Mine
Newton County, Missouri
Contract Idm-E325

Mr. Dennis Patterson
Route 2
Grandy, Missouri

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

J. M. Murphy

for W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 16 1963

DATE		CODE
9/17		800
	Issued	500
		320

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since July 24, 1962, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since July 24, 1962, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Dennis Patterson Title

Address Granby MO RR2 Date Sept 10 - 1963

4511

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

RECEIVED G. M. E JUL 30 1962

DATE	INITIALS	CODE
7/30	WRG	200
		100
		~~110~~
8/1	~~[illegible]~~	~~500~~
		220

JUL 20 1962

Re: DMEA-2485 (Lead-Zinc)
Dale Mining Company
Patterson Mine
Newton County, Missouri
Contract Idm-E325

Mr. and Mrs. Dennis Patterson

Neosho, Missouri

Dear Mr. and Mrs. Patterson:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since February 23, 1957, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 1, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Dennis Patterson Title Farmer

Address Granby Mo Route 2 Date July 24 - 1962

4511

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

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 30 1962

DATE	INITIALS	CODE
7/30		800
7/30		100
7/30		~~110~~
		500
		220

JUL 20 1962

Re: DMEA-2485 (Lead-Zinc)
~~Dale Mining Company~~
Patterson Mine
Newton County, Missouri
Contract 16M-2525

Mr. and Mrs. N. E. Sitler
Granby
~~Neosho~~, Missouri
R-2

Dear Mr. and Mrs. Sitler:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. B. Griswold

W. B. Griswold, Chief
Division of Minerals

Re: DMEA-2485

Note that the attached MME Form 69 has not been signed by Sitler.

A form signed by Patterson also was received today. My Mar. 6, 1962, Rpt. of Royalty Review indicates that Patterson aquired the Sitler portion of the property.

Talbert
7/30/62

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since February 25, 1957, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 1, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

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

JUL 20 1962

Re: DMEA-2485 (Lead-Zinc)
Dale Mining Company
Patterson Mine
Newton County, Missouri
Contract Idm-E325

Mr. and Mrs. N. R. Sitler
Granby
~~Neosho~~, Missouri
R-2

Dear Mr. and Mrs. Sitler:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since February 23, 1957, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 1, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
April 30, 1958

Official
EXTRA COPY
RECEIVED MAY 5 1958
DATE 5/6 CODE 500

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Semi-Annual Reports on
Certified projects, Region IV
for period ending Dec. 31,1957

Dear Sirs:

Transmitted herewith are three copies of the subject report on Projects Contract I-DMA-58 and Idm-E139, Westmoreland Manganese Corporation (DMA-197X and -2002X) which was evidently the only deposit with DMEA production during that period.

There was no activitiy at deposits on any of the other four Certified DMEA projects of Region IV listed as follows:

Docket No.	Operator	Project Contract No.
DMA-1088X (zinc)	Shelton Mining Co.	Idm-E122
DMA-1371X (lead,etc.)	National Lead Co.	Idm-E48
DMA-2202X (mercury)	Amerimex Mining Co.	Idm-E468
DMEA-2485 (lead-zinc)	Dale Mining Co.	Idm-E325

Sincerely yours,

CCK/id

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 3

cc: DMEA Op.Com.(2)
King,USGS,Denver w/cy encl.
Amos,USGS,Carbondale w/cy encl.
Semi-Annual Report file
197X/2002X file
1088 "
1371 "
2202 "
2485 "

Semi-Annual Report

on

Certified Project

by

Clinton C. Knox, DMEA Field Team, Region IV

July 31, 1957

Period: ending June 30, 1957 Field examination: None

Operator: Dale Mining Co., 811 Kentland Drive, Neosho, Mo.

Mine name: Patterson

Location: Aroma, 3 miles south of Granby, Newton County, Mo., - Tri-State Zinc Mining district

Docket: DMEA-2485(lead-zinc)

Project Contract: Idm-E325, dated 6/22/52

Certification: Issued 2/6/56

No work done on this project since abandonment September 28, 1956. The status is believed to remain the same as given in the last Semi-Annual Field Team Report dated April 23, 1957.

Clinton C. Knox

Clinton C. Knox
Mining Engineer

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/6	Core	100
8/12 8/7	Alt	500

alt

COPY Box 431, Joplin, Missouri COPY

AIRMAIL April 25, 1957

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Certified projects, Region IV

Dear Sirs:

Transmitted herewith are the original and three copies each of the Semi-Annual Reports as of December 31, 1956 covering the following six projects which have been Certified in this region:

Docket No.	Operator	Project Contract No.
DMA-197X &-2202x(Mn)	Westmoreland Corp.	I-DMA-E8 & Idm-E139
DMA-1088X (Zn)	Shelton Mng. Co.	Idm-E122
DMA-1371X (Pb,Cu,Co,Ni)	National Lead Co.	Idm-E48
DMA-2202X (Hg)	Amerimex Mng. Co.	Idm-E468
DMEA-2485 (Pb,Zn)	Dale Mng. Co.	Idm-E325

Of the above, no work has been done on the Shelton and National Lead deposits since completion ofthe work on those DMEA exploration projects and none appears likely in the foreseeable future. In two brief production efforts, Dale Mining Co. repaid over half of its DMEA loan, but then disbanded all its operations and relinquished its mining leases so that no additional royalty is expected from that deposit in the foreseeable future. The two Westmoreland Certifications and that of Amerimex are in much the same category in that those corporations are defunct which were parties to the DMEA project contracts, and Guarantors thereunder have not responded to our efforts to collect the Government's royalty on production which has been obtained by the present operating concerns. According to the available information production continuing by the U. S. Managanese Corporation on the Westmoreland deposits amounted to 1,716 long dry tons of manganese ore and concentrate with an estimated gross sales value of $163,040 as of the close of 1956. The Terlingua Mercury Corporation from November 1954 until its financial collapse in November 1956, produced about 5,620 tons of mercury-bearing material recovering $89,306 worth of mercury, from the Fresno mining claims previously included under the Amerimex Certification.

Therefore, it appears unlikely that any efforts on the part of this Field Team would result in the collection of any DMEA royalties in the forseeable future.

Sincerely yours,

Signed/ Clinton C. Knox

CCK/jd

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encl. 5

cc: DMEA Op. Com.(3)
King,USGS,Denver
File 197 -2202
" 2002 -2485
"1088 - Semi-Annual Report
" 1371

OFFICIAL FILE COPY
DMEA
RECEIVED
CODE
4/30 C 220
5/1 com 100
7/26 all 500
Rbz

Production Inspection and Semi-Annual Report

on

Certified Project

by

Clinton C. Knox, DMEA Field Team, Region IV

April 23, 1957

Period: ending Decmeber 31, 1956 Field examination: Feb. 13, 1957

Operator: Dale Mining Co., 811 Kentland Drive, Neosho, Mo.

Mine name: Patterson

Location: Aroma, 3 miles south of Granby, Newton County, Mo., Tri-State mining district

Docket: DMEA-2485(lead-zinc)

Project Contract: Idm-E325, dated 6-22-52

Certification: issued 2-6-56

Expiration date: 6-22-64

Total amount of Contract: $31,104.00

Total accepted project costs: $21,820.80

Total Government participation at 50 percent: $10,910.40

Royalty payments this period: $1,456.04

Previous royalty payments: $4,866.65

Total royalty paid to date: $6,322.69

Percent Government participation repaid: 57.95

Royalty due on production to date: none

Royalty remarks: Following disbanding of all operations September 28, 1956, a royalty audit was made February 13, 1957, by C. E. Fisher, DMEA Auditor, assisted by this writer. There appears to be little likelihood in the foreseeable future for rehabilitation and resumption of any operations on this property. The Operator notified me in writing February 13, 1957, that its leases had been relinquished and has not responded to my

letter of February 26, 1957 advising that the Owner's Consents to Lien thus should be reassured as being in effect.

Original estimate of DMEA reserves(Field Team Final Report)
Mines [X] Survey [ ] Joint [ ] - 240,000 tons, 3.00% Zn 0.10% Pb

Revised estimate of DMEA reserves(Field inspections 8-7-56 and 2-13-57)
Mines [X] Survey [ ] Joint [ ] - no revision justified

Increase of reserves by work performed
subsequent to DMEA project work - none

Production DMEA ore	(this period) --	11,330 tons,	2.10% Zn	0.04% Pb
	(previous) -	70,113 "	1.25% "	0.01% "
	(to date) -	81,444 "	1.40% Zn	0.02% "

Production Operator's ore found subsequent to DMEA work - none

Investment data and Remarks:

None since Patterson mine dewatering and rehabilitation during November and December 1955 (see Knox's letter to DMEA Operating Committee 10-26-56 for those investment estimates).

2485

ACTION ON INTERIM
ON FINAL FIELD TEAM REPORT
Date 9-11

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Bob Mellor Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Knox does not follow
2. Journal for Supri -
Annual Report.
3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

Production Inspection

and

Semi-Annual Report

on

Certified Project

by

Clinton C. Knox, DMEA Field Team, Region IV

August 29, 1956

Period: ending June 30, 1956 Field examination: 8-7-56

Operator: Dale Mining Company, 811 Kentland Drive, Neosho, Mo.

Mine name: Patterson

Location: Aroma, 3 miles south of Granby, Newton County, Mo., Tri-State mining district

Docket: DMEA-2485 (lead-zinc)

Project Contract: Idm-E325, dated 6-22-52

Certification: issued 2-6-56

Expiration date: 6-22-63, or upon repayment of the $10,910.40 Government participation, whichever occurs first

Total amount of contract: $31,104.00

Total accepted project costs under the Contract: $21,820.80

Total Government participation: 50 percent or $10,910.40

Royalty payments this period: $3,980.16

Previous royalty payments: $886.49

Total royalty payments to date: $4,866.65

Government participation repaid: 44.6 percent

Royalty due on production to date: none- royalty being paid promptly and evidently correctly by the Operator upon receiving the purchaser's settle-sheets from the total concentrate sales each month.

The estimate of 240,000 tons of reserves indicated by 15 of the 35 exploratory holes churn drilled under the DMEA project contract, as given in the Final Field Team Report by Knox, dated March 29, 1956, yet appear substantially correct. On the basis of the 70,113 tons of that calculated ore reserve reportedly mined and milled to June 20, 1956, the tonnage of zinc-cadmium and a little lead concentrates recovered in the Stark City mill of the Dale Mining Co. and the available mill tailing sample analyses, the actual zinc content apparently will average much less than the calculated 3.00 percent given in that report. Only two of the project holes have been cut to date, however, in the mine stopes.

A total of 843 tons of zinc concentrate containing from 62.5 to 64.6 percent zinc and from 0.47 to 0.54 percent cadmium, and 4.5 tons of lead concentrate containing 82 percent lead, was recovered from the 34,734 tons of ore reportedly mined and milled this period of resumed production beginning in December 1955. Of course, a few tons of concentrates remained on hand at the close of the period.

During the previous productive period from April through October 1953, a total of 242 tons of zinc concentrate and 4 tons of lead concentrate reportedly was produced during the mining of 35,379 tons of that calculated ore reserve subject to DMEA royalty.

Thus royalty has been paid DMEA on a total of 1,105 tons of concentrates produced to date amounting to $97,333.26 in total sales which evidently have been reported honestly.

Apparently about 30 percent of the reserves indicated by the project work under the DMEA Contract has been mined. No exploratory drilling or underground development drifting has been done since discontinuance of the project drilling March 4, 1955.

During the underground inspection by Knox August 7, 1956, Mr. Blevins, Partner and Mine Boss for the Big Four Mining Co. which rehabilitated and operated the mine under a contract arrangement since last November, explained that it was [redacted] proving to be an unprofitable operation for anyone concerned. He said that there was insufficient operating margin for development drifting or to maintain and replace the old worn underground mechanized deisel equipment, so it would only be a question of time until abandonment again would be mandatory unless the stope faces reached a better grade of ore. He also mentioned that the Geological and Engineering Departments of the Eagle-Picher Company recently had made a thorough examination there and photographed each stope working face.

Copy - DMEA Op. Comm.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
P. O. BOX 431
JOPLIN, MISSOURI

May 6, 1955

Memorandum

To: DMEA Operating Committee, Department of the Interior, Washington 25, D. C.

From: Clinton C. Knox, Mining Engineer, Bureau of Mines, Region IV

Subject: Interim Field Team Report
Project Contract Idm-E325
Dale Mining Co., 811 Kentland Drive, Neosho, Mo.
Patterson mine, near Granby, Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

Churn drill exploration on the cited project was recessed March 4 with completion of hole No. 29 on the Operator's Patterson lease. This writer last inspected the project on the afternoon of February 22, accompanied by the Churn Driller. Then on February 25, Mr. Gerald Klepinger, representing the Operator, phoned to state that granting of a long recess of the project work, or possibly a termination of the contract by mutual consent, had become imperative. Verbal approval of a temporary recess was given then and confirmed February 28 in the Executive Officer's letter to the Operator.

With the last Monthly Report received covering the drilling of holes No. 28 and 29 during February 1955, the Operator also submitted a written reiteration and explanation of its request to suspend work on this project until the price of zinc increases and it could resume profitable mining. In view of all the unfortunate circumstances, therefore, approval of that request is recommended and/or the time for completion of the contract should be extended for at least 12 months by an appropriate further amendment to the proviso under item 1 of the contract Amendment No. 3 which became effective last July 9. In any case, issuance of "Certification" upon the termination or completion of the contract is also recommended.

Field Team authorization for the Government's 50 percent participation payment on $300 of the costs claimed in the above-mentioned February report has been withheld under this "unit-price" contract to assure rendition of the Operator's Final Reports whenever demanded by the Government. Thus while the costs of this

project now approved total $21,520.80, the total acceptable overall cost to date, subject to the audit, is $21,820.80, half of which is the Government's share, leaving $4,641.60 of the Government's contract commitment yet unexpended.

During 34 months that the subject project contract has been in force, only 34 holes (28 on the Patterson and 6 on the Clark lease), aggregating 9,092 feet of churn drilling, has been completed thereunder. In addition, drilling of hole No. 22 was completed at 275 feet in depth and No. 26 was abandoned at 40 feet, costs for both of which were not considered allowable under the contract.

An extensive sheet-ground-type ore deposit is inferred from the data on the drilling done to date (see attached sketch map) which appears to justify the allowable maximum drilling set by contract Amendment No. 3. The ore reserves so far definitely indicated, however, by sampling results from the most favorable-appearing 15 of those 35 widely spaced holes completed to date, were estimated to total only about 240,000 tons averaging 3.00 percent and 0.10 percent, respectively, in zinc and lead content(see attached tabulated calculations). That indicated mineable tonnage obviously would not warrant reopening of the Patterson mine in the face of the present zinc market outlook, nor justify building a mill there under any most optimistic mining economy that reasonably might be expected in the distant future.

With the allowable maximum drilling set by Amendment No. 3, about 14 additional proposed holes were to have been completed by June 22, 1955, in the effort to assure that building of an adequate mill there eventually could be economically feasible. A price for 60 percent zinc concentrate of about $115 per ton, as was in effect when this project contract was let June 22, 1952, undoubtedly would justify drainage, rehabilitation of this Patterson mine, and mining of the present indicated reserves, providing that the company's Stark City mining and milling operations also could be resumed.

The $65-per-ton-price received for zinc concentrate during 1953 while mining a small part of the reserves which had been indicated as a result of this project contract, could not sustain the operations so they were disbanded in September of that year. Also the Operator reportedly lost a suit in Federal court for previous concentrate sales at prices above the allowable ceiling. Efforts to recoup 1953 zinc mining losses in a uranium mining venture near Holbrook, Arizona, in 1954, are understood to have failed. Then in August 1954 disasterous caving to the surface of the mine at the company's old Joplin-type Stark City mill resulted in costly damage to that plant and necessity to abandon the better ore reserves that were being mined there. Subleasing operations since undertaken in the Picher mining field of Oklahoma are understood to have been unprofitable to date. Rerun of

tailings (none of which reportedly originated from Patterson mine ore) and manufacture of concrete building blocks in progress at the Stark City mill is believed to provide only for operating expenses including those for continuing the employment of company's key personnel there. As a consequence of these unforeseen financial reverses suffered by the Operator, the recess of exploratory work under the subject project contract appeared imperative.

No ore has been produced which was subject to the Government's percentage royalty since the Patterson mine was abandoned in September 1953. The milling recovery reported by the Operator from the Patterson mine ore production, April through September, 1953, which was subject to the Government's percentage royalty under the contract, amounted to 246.45 tons of zinc concentrate and 4.30 tons of lead concentrate, sold for a total of $17,798.98 on which the royalty amounting to $886.49 or 5 percent, was paid to the Government. On the basis of the mined areas and stope heights indicated on the map recently submitted by the Operator, the total Patterson reserves mined which was subject to the Government's percentage royalty was calculated to be 31,500 tons (see attached sketch map). The reported average content of the zinc concentrate was 61.46 percent zinc and the lead concentrate was 64.80 percent lead. Assuming that the milling efficiency was 80 percent on zinc and 88 percent on the lead, the calculated zinc and lead contents in that 31,500 tons would appear to have been only 0.60 percent and 0.01 percent, respectively. But analysis of the reported sampling data on the holes No. 2, 3 and 6 which are nearest to areas from which the calculated 31,500 tons were mined (see those drill hole logs), assays, and the attached map) indicated that the weighted average content of the stoped zone should have been about 2.00 percent zinc (no lead reported), after allowing for some zinc-bearing strata which evidently have been left in the stope roof and floor. To date, however, the actual production data requested in the Executive Officer's March 31 letter to the Operator, have not been received to adequately support its derivation of the royalty to the Government.

Check samples split from hole 24 churn drill cuttings, as stated in the January 28 Field Team's project inspection report, were found by the Rolla laboratory of the Bureau of Mines to contain somewhat less zinc than the Operator had reported. Check samples split exactly the same way from hole 27 contained more zinc and lead than the Operator reported according to the attached copy of the Bureau of Mines' "Analytical Report" (also see the "Certificate of Analysis" submitted in the Operator's January Report). Therefore, the Operator's sampling accuracy is concluded to be about as good

as could be expected on any Tri-State churn drilling exploration. All must be more or less a compromise with accuracy due to inherent characteristics of the ore-bearing strata here.

Clinton C. Knox

CCK/vks

Clinton C. Knox

cc: DMEA (3)
2485 file
Knox

C
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UNITED STATES DEPARTMENT OF THE INTERIOR - Bureau of Mines
Minerals Technology Division - Metallurgical Branch - Rolla, Missouri

ANALYTICAL REPORT

Submitted: Jan. 31, 1955

Specify origin of sample: Industrial Metallurgical Branch Mining Branch Other Federal of State Agency
Prospect Research Problem Special Project No. 990.1 (6970.3)

Section submitting sample: Region IV - DMEA Field Team Office
Joplin, Missouri

Section head initials: C.C.K. /s/ C.C.K. and L.T.Mc

Analysis requested: Chemical Differential thermal Petrographic Spectrographic X-Ray

Date received: 2-3-1955

Date reported: 2-17-1955

Description and location of sample: Splits of cutting samples, churn drill hole No. 27, Patterson Mine, NW¼ SE¼ T. 25 N., R. 30 W., Newton County, Mo., Dale Mining Co., DMEA Project Contract Id-8325

Section Sample Number	Sampling Interval From	To		Analysis, percent Total Zinc		Total Lead							
D271	215	220		7.07		2.17							
D272	220	222½		1.91		0.36							
D273	222½	225		1.31		-							
D274	245	247½		1.31		0.32							
D275	247½	250		1.12		0.13							
D276	250	252½		1.27		0.06							
D277	252½	255		0.96		-							
D278	255	257½		0.24		-							
D279	257½	260		0.12		-							
D280	260	262½		4.35		-							

March 4, 1955

ESTIMATE OF INDICATED ORE RESERVES

DALE MINING CO. - DOCKET DMEA-2485 (lead-zinc), - PROJECT CONTRACT IDM-E325

Hole Number	Area minus 10% for pillars (sq. feet)	Ore Depth From	Ore Depth To	Ore thickness (feet)	Volume (cu. ft.)	Mineable tons of ore (12½ cu.ft. per ton)	Average content (percent) Zn	Calculated content (tons) Zn	Average content (percent) Pb	Calculated content (tons) Pb
Patterson:										
2	31,500	242½	250	7½	236,250	18,900	8.11	1,533	-	-
3	37,000	245	255	10	370,000	29,600	2.33	690	-	-
4	32,000	240	247½	7½	240,000	19,200	1.98	380	-	-
6	23,000	265	272½	7½	172,500	13,800	1.47	203	-	-
7	45,000	242½	250	7½	337,500	27,000	1.93	521	-	-
8	56,000	250	257½	7½	420,000	33,600	2.60	874	-	-
11	27,000	247½	255	7½	202,500	16,200	1.80	292	-	-
12	9,500	247½	255	7½	71,250	5,700	1.42	81	-	-
22	12,800	237½ 250	245 257½	7½ 7½	96,000 96,000	7,680 7,680	2.67 2.13	205 164	- -	- -
24	19,300	247½	255	7½	144,750	11,580	2.32	269	-	-
25	5,400	247½	255	7½	40,500	3,240	1.67	54	-	-
27	25,700	215	222½	7½	192,750	15,240	4.15	640	1.07	165
28	16,700	217½	225	7½	125,250	10,020	1.82	182	0.37	37
Clark:										
5	10,000	245	252½	7½	75,000	6,000	1.80	108	-	-
6	22,500	250	257½	7½	168,750	13,500	8.50	1,148	-	-
Totals	373,400	215	257½	-	2,989,000	239,120	-	7,344	-	202
Averages							3.07		0.08	-

COPY - DMEA Washington Office

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

P. O. Box #431
Joplin, Missouri

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 28 1955

File
Betty

March 24, 1955

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Company
Newton County, Missouri
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are the two copies of this Operator's MF-104 Report for February, 1955, with your second copy of the attachments that were sent to you on March 15. Please note that I since have corrected some drill hole location numbers on this print of the Operator's map as you may wish to do on the one sent to you then.

Upon receiving this report on March 8, and the prints of the maps on March 11, it was approved and forwarded to the Certifying Officer at Bartlesville on March 15 with the instruction to withhold payments of the Government's share on $300 of the Operator's Claim to secure rendition of its Final Reports to the Government. Notice that it had been certified accordingly was received today, as per the attached Memo copy.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks
Enclosure

cc: DMEA Oper Comm/w.c. Memo
Reg. IV Finance Officer
2485 file

COPY - DMEA Operating Comm.
Washington 25, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

C
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P
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Bureau of Mines
Defense Minerals Administration
MAR 28 1955

OFFICE OF
REGIONAL DIRECTOR

ROOM 206 FEDERAL BUILDING
BARTLESVILLE, OKLAHOMA

March 24, 1955

Memorandum

To: Clinton C. Knox, Executive Officer, DMEA Field Team, Region IV, Joplin, Missouri

From: L. A. Hill, Acting Chief, Division of Administration, Region IV, Bartlesville, Oklahoma

Subject: February Vouchers, Contract IDM-E325 and IDM-E749

February Voucher No. 4.-84, Dale Mining Company, IDM-E-325, in the amount of $502.80 was accomplished March 23, 1955, D. O. Voucher No. 62038, R. E. Waters, Symbol 411.

February Voucher No. 4.-85, Lucy A. McLaren, IDM-E749, in the amount of $1,442.71 was accomplished March 23, 1955, D. O. Voucher No. 62038, R. E. Waters, Symbol 411.

/s/ L. A. Hill
L. A. Hill

Wash. Copy

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED
MINERALS TECHNOLOGY DIVISION
MAR 8 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 28 1955

Month of [illegible], 1955 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals JOPLIN, MO.
Address [illegible] Lead & Zinc
Contract Amount, $ 21,104.00 Government Participation: [illegible] % Amount, $ 19,592.00

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:						3-15-55
Drilling [illegible] 2.30	1305.60	20,215.20	21,520.80			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]	1,305.60		21,520.80

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

Date 3-7-1955 *Payee [illegible] COMPANY

Per [illegible] Title Purchase

*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:

$ 502.80

Signature
(Authorized Certifying Officer)

Date 3-23-55 Vou. No. 4-85
(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. DMA-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date March 15, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date March 15, 1955

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

Wash. Copy

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
MAR 17 1955

DEER MINING COMPANY

Interim Report

February, 1955

Project DMM - 2405 (Lead-zinc) Project Contract KM- 1305

Patterson Lease
Deer Creek, Morton County, Mo.

Core drill holes No. 28 & 29

Attached hereto are the MI-104 and MI-104A reports for the February project work, with the log and sample assays for holes 28 and 29, located with the concurrence of the field team Executive.

No though the assay of hole 28 wouldbe as good as hole 27. In pressing hole 28 the drill cuttings at the drill hole site looked assayed as the cuttings of hole 27.

In drill hole 29, which started into chimes of lead and zinc we evidentally have gone into the footwall of this ore body.

Wash. Copies
hold for Finance Officer's
Voucher data

1 copy of MI-104A, Klepinger letter, + Narative, logs, assays and maps sent to DMEA Op. Com. on 3/18/55.

CCK,

RECEIVED
MINERALS TECHNOLOGY
DIVISION

MAR 8 1955

BUREAU OF MINES
JOPLIN, MO.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
BUREAU OF MINES TECHNOLOGY
Defense Minerals Administration DIVISION
RECEIVED MAR 8 1955
BUREAU OF MINES
JOPLIN, MO.

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

Month of FEBRUARY 1955 Docket No. DMEA 2485 Contract No. IDM B 325
Operator's Name DAR MINING COMPANY Minerals Lead & Zinc
Address MIAMI, MISSOURI

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	2305.60	544	22,020.00	9092	2.40	12,000	2.40
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2305.60	544	22,020.00			Total Costs Authorized by Contract	
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2305.60		22,020.00			31,200.00	

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

Date 3-7-1955 Operator DAR MINING COMPANY

Per J. E. Klepinger Title Partner

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

(Instructions on reverse)

Remarks:

(For Government use only)

Field Team approval of $300.00 withheld 3/15/55 - to cover Operator's Final Reports if found due following present approved project recess.

C.C.K.

INSTRUCTIONS

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

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

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

GPO 872894

DUPLICATE

CERTIFICATE OF ANALYSIS

TELEPHONE 532

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

JOPLIN, MISSOURI. March 8 1955

Hole 29

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
220 - 222½	0.70 = 6.17 Jack			0.25 = 0.3 Galena			

Metal

Metal

MINERALS DIV. MAR 8 1955 BUREAU OF MINES JOPLIN, MO.

C. V. Millar Chemist

To Hole Mng Co.

Fee $

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 17 1955

DALE MINING COMPANY

Exploration Drilling Log

Location of hole; Attached map

Hole No. 29

Farm Name; Patterson

Location; NE¼; Sec. 30 T. 25; R. 30

Lease; Patterson

Drillers; Patterson & Miller

Contractor; Dale Mining Co.

Started; Feb. 18, 1955

Water stands; 40'

Finished; March 4, 1955

Depth; 261'

From	To	Description
0	27	Soil & clay
27	45	Gray lime, gray flint
45	80	Gray brown lime, gray flint
80	90	Oollite, brown lime
90	145	Gray brown lime, gray flint
145	215	Brown gray lime, gray flint
215	220	Gray brown flint, brown gray lime
220	222½	Gray brown flint, spar, Lead & Zinc shines
222½	225	Gray brown flint, Lead trace
225	240	Gray brown flint
240	242½	" " " , brown lime
242½	245	" " "
245	247½	Gray brown blue flint; Zinc trace
247½	257½	" " " "
257½	261	" " " " ; gray lime

Analysis

		60% Zinc	80% Lead
220'	222½'	1.17	0.31

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MINERALS TECHNOLOGY
DIVISION

MAR 8 1955

BUREAU OF MINES
JOPLIN, MO.

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

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MINERALS TECHNOLOGY
DIVISION
MAR 8 1955
BUREAU OF MINES
JOPLIN, MO.

JOPLIN, MISSOURI, 195

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
217' - 222'	2.20 = 3.67	[illegible]	[illegible]	0.50 = 0.83	Volume	80% Sph	
222' - 232'	1.03 = 1.78	"	"	0.10 = 0.13	"	"	
240' - 244'	1.20 = 2.00	"	"				
245' - 247'	0.60 = 1.00	"	"	0.20 = 0.25	"	"	
247' - 252'	1.50 = [illegible]	"	"				
257' - [illegible]	0.70 = 1.17	"	"				
270' - 272'	0.45 = 0.75	"	"				

C. V. Millar Chemist

To Washington, D.

Fee $

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	320' E. of Hole 6	Hole No. 28	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lo se;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Jan. 26, 1955	Water stands at 30'	
Finished;	Feb. 16, 1955	Depth; 283'	

From	To	Description
0	27½	Soil & clay
27½	45	Gray lime, gray flint
45	75	Gray brown lime, gray flint
75	85	Oollite, brown lime
85	160	Gray brown lime, gray flint
160	217½	Brown gray lime, gray flint
217½	220	Gray brown blue flint; Zinc & Lead
220	222½	Gray brown flint; Zinc & trace Lead
222½	227½	Gray brown flint; trace Zinc
227½	230	Gray brown flint; little gray lime; trace Zinc
230	232½	Gray brown flint, brown lime, trace Zinc
232½	240	Gray brown blue flint
240	245	" " " " ; Zinc
245	247½	Gray brown blue flint; trace of Zinc & Lead
247½	252½	" " " " ; Zinc
252½	255	" " " " ; trace Zinc
255	257½	Gray brown blue flint.
257½	262½	" " " " ; Zinc shines
262½	265	Gray brown blue flint.
265	267½	" " " " ; some pyrite
267½	270	" " " " .
270	277½	" " " " ; Zinc shines
277½	283	Gray brown blue flint; gray lime

ANALYSIS

		Zinc 60%	Galena 80%
217½	222½	3.67	.63
222½	232½	1.75	.13
240	245	2.00	
245	247½	1.00	.25
247½	252½	3.00	
257½	262½	1.17	
270	277½	.75	

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MINERALS TECHNOLOGY
DIVISION
MAR 8 1955
BUREAU OF MINES
JOPLIN, MO.

COPY - DMEA Op. Com.
Washington 25, D. C.

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

P. O. Box #431
Joplin, Missouri

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

February 14, 1955

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Co.
Patterson Mine
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are the two copies of the Operator's January 1955 Report on the subject exploration project, as required by your Office.

The original of this report was received, approved, and forwarded to the Region IV Finance Officer at Bartlesville, Okla., on Feb. 2. Notice that it had been certified for the Government's participation payment was received today, as per the attached Memo copy.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Encl. (3)

cc: DMEA Op. Com (1) w/c Memo
Finance Officer, Reg. IV
2485 file

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Wash. Copy

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1955 Docket No. DMEA 2-07 Contract No. IDC-D325
Operator's Name DALE MINING COMPANY
Address JOPLIN, MISSOURI
Contract Amount, $21,104.00 Government Participation 50% Amount, $12,552.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955
Minerals
Lead & Zinc

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:						3/2/55 - J.W.A.
Drilling	1274.40	19,240.00	20,515.20			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1274.40	19,240.00	20,515.20	1274.40	19,240.00	20,515.20 ccA

RECEIVED
MINERALS TECHNOLOGY
DIVISION
FEB 1 1955
BUREAU OF MINES
JOPLIN, MO.

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

Date 2-1-1955 *Payee DALE MINING COMPANY

Per Gerald Kleppinger Title Partner

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

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

(Instructions on reverse)

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

$ 637.20

Signature
(Authorized Certifying Officer)

Date 2-9-53 Vou. No. 82

(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. DMn-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Feb. 2, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date Feb. 2, 1955

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

Minerals Administration
RECEIVED

DALE MINING COMPANY

Narrative Report
January, 1955

Docket DMEA-2485 (lead-zinc) Project Contract Idm-E325

Patterson Lease
Near Granby, Newton County, Mo.

Churn drill holes No. 26A and 27

Attached hereton are the MF-104 and MF-104A Reports for the January project work, with the log and sample assays for holes 26A and 27, located with concurrence of the Field Team Executive.

Since abandoning hole 26 we moved 30' south and drilled hole 26A. This hole showed 45' of sub-marginal zinc mineralization.

With the approval of the Field Team Executive we drilled hole 27. This showed very good zinc and lead mineralization.

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MINERALS TECHNOLOGY
DIVISION

FEB 1 1955

BUREAU OF MINES
JOPLIN, MO.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JANUARY 1955 Docket No. DMEA 2435 Contract No. IDM-2325
Operator's Name DALE MINING COMPANY Minerals
Address JOPLIN, MISSOURI Lead & Zinc

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	1274.40	531	20,515.20	8540	2.40	12,960	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1274.40	531	20,515.20				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1274.40		20,515.20				31,104.00

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

Date 2-1-1955 Operator DALE MINING COMPANY

Per Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

RECEIVED
MINERALS TECHNOLOGY
DIVISION
FEB 1 1955
BUREAU OF MINES
JOPLIN, MO.

INSTRUCTIONS

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

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

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

GPO 872894

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

JOPLIN, MISSOURI, Jan-13- 1955

Bureau of the Mint
Defense Minerals Administration
RECEIVED
FEB 16 1955

Hale 26 A

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	~~MOISTURE~~	LEAD	LIME	SULPHUR	CADMIUM
210' - 220'	0.36 =	0.60%	Jack	60%	grade		
247½ - 255'	0.90 =	1.50	" "	" "	"		

(C. V. Millar) Chemist

To Hale Mng Co.

Fee $

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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FEB 16 1955

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 366' NE of Hole 6
237' S of E of Hole 3

Hole; 26A

Location; NE¼; Sec. 30
T. 25; R. 30

Farm Name; Patterson

Lease; Patterson

Drillers; Patterson; Miller

Contractor; Dale Mining Co.

Water stands; 40'

Started; Dec. 20, 1954

Depth; 261'

Finished; Jan. 8, 1955

From	To	Description
0	31	Soil & clay
31	45	Gray yellow lime, little gray flint
45	80	Gray brown lime, gray flint
80	90	Oolite, brown lime
90	125	Gray brown lime, gray flint
125	200	Brown gray lime, gray flint
200	210	Gray brown flint, gray brown lime
210	220	Gray brown blue flint; trace Zinc
220	222½	" " " " ;
222½	225	" " " " ; trace Zinc
225	237½	" " " " ;
237½	240	" " " " ; trace Zinc
240	247½	" " " " ;
247½	255	" " " " ; Shines Zinc
255	261	Gray brown blue flint, gray lime

Analysis

210	220	.60 60% Zinc ("Jack") ok.
247½	255	1.50 " " "

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MINERALS TECHNOLOGY
DIVISION

FEB 1 1955

BUREAU OF MINES
JOPLIN, MO.

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

Hole 27

JOPLIN, MISSOURI, Jan. 27 1955

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
215'-222½	4.15 =	6.42	Metal	1.07 =	1.34	Metal	80 %
222½-227½	1.00 =	1.70	" " "	0.12 =	0.15	"	" "
227½-242½	1.25 =	2.10	" " "				
245'-247½	1.40 =	2.33	" " "	0.62 =	0.775	"	" "
247½-255'	1.00 =	1.70	" " "				
260'-265'	1.80 =	3.00	" " "				

C. V. Millar Chemist

To Hale Mfg. Co.

Fee $

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 321' SE of Hole 3
302' N of E Of Hole 6

Hole No. 27

Location; NE¼; Sec. 30
T. 25; R. 30

Farm Name; Patterson

Lease; Patterson

Drillers; Patterson; Miller

Contractor; Dale Mining Co.

Water stands; 80'

Started; Jan. 10, 1955

Depth; 270'

Finished; Jan. 25, 1955

From	To	Description
0	31	Soil & clay
31	40	Gray yellow lime; gray flint
40	75	Gray brown lime, gray flint
75	85	Oollite, brown lime
85	165	Gray brown lime, gray flint
165	215	Brown gray lime, gray flint
215	222½	Gray brown blue flint; Good Zinc & lead
222½	227½	Gray brown blue flint; Zinc; lead shines
227½	237½	Gray brown blue flint
237½	240	" " " " ; Zinc
240	242½	Gray brown blue flint; Zinc shines
242½	245	Gray brown blue flint
245	247½	Gray brown blue flint; Zinc & lead shines
247½	255	" " " " ; Zinc shines
255	260	Gray brown blue flint
260	262½	" " " " ; Zinc
262½	265	" " " " ; Zinc traces
265	270	Gray brown blue flint, gray lime

Analysis

215	222½	6.92	60% Zinc	1.34	Galena (80% Pb)	
222½	227½	1.70	" "	.15	"	"
227½	242½	2.10	" "			
245	247½	2.33	" "	.77	"	"
247½	255	1.70	" "			
260	265	3.00	" "			

RECEIVED
MINERALS TECHNOLOGY
DIVISION
FEB 1 1955
BUREAU OF MINES
JOPLIN, MO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED

P. O. Box #431
Joplin, Missouri

January 28, 1955

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Bureau of Mines, Box 431, Joplin, Missouri

Subject: Interim Field Team Report, Project Contract Idm-E325
Dale Mining Co.
811 Kentland Drive, Neosho, Mo.
Docket DMEA-2485 (lead-zinc)
Patterson Mine
near Granby, Newton County, Mo.

The project was inspected by me on the afternoon of January 6, 1955, accompanied by Mr. Gerald Klepinger, Executive Partner of subject company. Since the last inspection there on December 30, churn drilling of holes No. 24 and 25 had been completed at 265 and 266 feet in depth, respectively, hole No. 26 had to be abandoned at 40 feet, and drilling of hole No. 26A was in progress at 240 feet in depth.

Ore encountered from 247½ to 255 feet in hole 24 was reported by the Operator to contain 4.50 percent "jack"(60% Zn) which checked reasonably well, with the average 2.32 percent zinc (no lead) content of the Bureau of Mines' three cutting sample splits from that ore zone analyzed by the Rolla laboratories (see attached copy of the analytical Report). Hole 24 is located 190 feet north of hole 3, thus extending the indicated reserves accordingly.

Hole 25, located about 155 feet northwest of 24, indicated only sub-marginal zinc mineralization.

Churn drilling of hole 26, located 200 feet east and 50 feet south of No. 3, was abandoned by the Operator due to difficulties with a crevice, "slide" and boulders. Its relocation 15 feet and 30 feet farther east and south, respectively, and designation as hole No. 26A was approved. Only a trace of zinc mineralization was in evidence in the cutting samples examined from 210 to 215 feet and on the 240-foot horizon reached at the time of this inspection. Lithology of the churn drill cuttings then from the upper Reeds Spring strata, however, assured sufficient proximity to the inferred eastward extension of the ore-making structural trend from the Patterson mine workings, to prompt the instant approval given for the Operator's proposed location of hole No.

27, 153 feet south of No. 26A.

Check samples split for the Field Team on January 21 by the Sampler from the Bureau of Mines' neighboring Racine-Spurgeon Project, visually indicated good zinc-lead ore from 215 to 222½ feet in hole 27, but the analyses have not been received. Consequently, upon telephonic request from the Operator on January 22, its proposed location for hole No. 28, about 100 feet south of 27, was approved.

A continuation of churn drilling on hole locations along a line southward from hole No. 27 is recommended to clearly cross section the above-mentioned inferred eastward ore trend. Then some closely spaced drilling might be warranted in certain areas such as around hole 27, to indicate the extent of reserves on the 2200 foot ore level which apparently are prone to be "spotty" as compared to the Reeds Spring ore deposit in this locality.

From last July, when Contract Amendment #3 was executed, up to the close of 1954, only six of the churn drill holes completed by the Operator were considered acceptable under the terms of the contract, and only their costs on the Monthly MF-104 Reports have been approved by this Field Team Office. Therefore the total, as of the close of 1954, was 30 completed holes which were acceptable, aggregating 8,017 feet of churn drilling on the project since the start of work in July, 1952, under the subject contract and the three subsequent amendments thereto. The total approved overall project costs to the close of 1954 was $19,240.80 of which the Government has reimbursed the Operator for half.

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com. (3)
2485 file (2)

C
O
P
Y

#3331

UNITED STATES DEPARTMENT OF THE INTERIOR – Bureau of Mines
Minerals Technology Division – Metallurgical Branch – Rolla, Missouri
ANALYTICAL REPORT Submitted – Dec. 6, 1954

Specify origin of sample: Industrial Metallurgical Branch Mining Branch Other Federal or State Agency
Prospect Research Problem Special Project No. 990.1 (6970.3)

Section submitting sample: DMEA Field Team Office, Joplin, Mo. Section head initials: C.C.K.

Analysis requested: Chemical Differential thermal Petrographic Spectrographic X-Ray

Date received: 12-8-54 Date reported: 1-7-55

Description and location of sample: *Churn drill hole cuttings, Hole No. 24, Patterson Lease, NW¼ SE¼ sec. 30, T. 25 N., R. 30 W., Newton County, Mo., Dale Mining Co, DMEA Project Contract No. IDM-E325

Section Sample Number	Lab. No.	Analysis, percent										
		SAMPLING INTERVAL FROM	TO		Zinc	Lead						
D241	17434	235	237½		.48	< .01						
D242	17435	237½	240		.17	< .01						
D243	17436	240	242½		.97	< .01						
D244	17437	242½	245		.03	< .01						
D245	17438	245	247½		.03	< .01						
D246	17439	247½	250		.36	< .01						
D247	17440	250	252½		5.37	< .01						
D248	17441	252½	255		1.23	< .01						

*Samples in stockroom

Dry basis

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

JAN 20 1955

P. O. Box #431
Joplin, Missouri

January 18, 1955

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Company
Patterson Mine
Newton County, Missouri
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are the two copies of the Operator's December, 1955, Report on the subject exploration project, as required by your Office.

The original of this report was received, approved, and transmitted to the Region IV Finance Officer at Bartlesville, Okla., on January 7, and notice that it had been certified for the Government's participation payment was received today, as per the attached Memo copies.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Encl. (4)

cc: DMEA Op. Com. (2)
Finance Officer, Reg. IV
2485 file

Bureau of the Mint
Bureau of Mines Administration
RECEIVED
JAN 20 1955

January 17, 1955

Memorandum

To: Gilmore C. Knox, Executive Officer, DMEA Field Team, Region IV.

From: L. A. Hill, Acting Chief, Division of Administration, Region IV.

Subject: December Voucher - Contract IDM-E-325

The above mentioned voucher was numbered DMEA-41 and paid in the amount of $319.20 on January 14, 1955 by R. E. Waters, Symbol 411, Dallas, Texas.

Please note that amount in column "Totals previously Reported" should be $18,602.40 instead of $18,996.40 and totals in column "Totals to Date" should be $19,240.80 instead of $19,236.80. Please make these corrections on your copies.

L. A. HILL, Acting Chief
Division of Administration
Region IV

MINERALS MANAGEMENT SERVICE
DIVISION
JAN 1 9 1955
BUREAU OF MINES
JOPLIN, MO.

RECEIVED
MINERALS TECHNOLOGY DIVISION
JAN 6 1955
BUREAU OF MINES

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

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

Defense Minerals Administration
RECEIVED
JAN 20 1955

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

Month of December, 1954 Docket No. DMEA 2405 Contract No. Idc-D325
Operator's Name Dale Mining Company Minerals
Address Moscow, Missouri Lead & Zinc
Contract Amount, $ 32,204.00 Government Participation: 90% Amount, $ 25,552.00

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 266' at 2.40	638.40	~~20,500.40~~	~~20,236.00~~	638.40	18,602.46	19,240.86
Bulldozing						
Crosscutting						
Drifting						1/25/55 J.W.A.
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	638.40	~~21,138.80~~	~~20,236.00~~	638.40	18,602.46	19,240.86

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

Date 1-7 1955 *Payee DALE MINING COMPANY

Per Gerald Klapinger Title Partner

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

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

(Instructions on reverse)

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

$ 319.20

Signature
(Authorized Certifying Officer)

Date Jan. 14 1955 Vou. No. DMEA 81

(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. Adm-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Jan. 7, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date Jan. 7, 1955

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 20 1955

DALE MINING COMPANY

Narrative Report
December, 1954

Docket DMEA-2485 (lead-zinc) Project Contract Idm-E325

Patterson Lease
Near Granby, Newton County, Mo.

Churn drill holes No. 25 and 26

Attached hereto are the MF-104 and MF-104A Reports for the December project work, with the log and sample assays for hole 25, located with the concurrence of the Field Team Executive, as per the sketch attached to his December 2 letter. Since churn drilling of hole 26 had to be abandoned at 40 feet in depth, after much time had been lost due to encountering difficulties, no claim was made on the MF-104 for the cost of that drilling.

The sub-marginal zinc mineralization in the samples from hole 25 indicated the northward limitation of the ore found last month in hole 24.

Although retarded by a heavy snow storm after Christmas, drilling of hole No. 26A is in progress, located about 240 feet S65°E of hole 3, as approved by the Field Team Executive, confirmed by his December 22 letter.

Form MF-104A
(April 1952)

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JAN 6 1955
BUREAU OF MINES
JOPLIN, MO.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 2405 Contract No. [illegible]
Operator's Name DAVIS BROTHERS COMPANY Minerals
Address Rooster, Missouri Lead & Zinc

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core				19,240.80	[illegible]			
Churn	Foot	630.40	266	~~19,236.80~~	8217	2.40	12,000	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		630.40	266	~~19,236.80~~ 19,240.80	[illegible]			Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
				19,240.80	[illegible]			
Total Costs		630.40	266	~~19,236.80~~				32,100.00

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

Date 1-7-1955 Operator DAVIS BROTHERS COMPANY

Per Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JAN 6 1955
BUREAU OF MINES
JOPLIN, MO.

Hale 25

JOPLIN, MISSOURI, Dec - 18 1954

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
235' - 237½'	Metal 0.85 = 1.42	% fach		60% grade			
237½ - 240'	0.35 = 0.58	"	"	"	"	"	
247' - 250'	2.10 = 3.50	"	"	"	"	"	
250' - 255'	1.45 = 2.40	"	"	"	"	"	

C. V. Millar Chemist

To Hale Mng Co.

Fee $

RECEIVED
MINERALS MANAGEMENT
DIVISION

JAN 6 1955

BUREAU OF MINES
JOPLIN, MO.

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 160' NE of Hole 12
340' NNW of Hole 3

Hole No. 25

Location; NE¼; Sec. 30
T. 25; R. 30

Farm Name; Patterson

Lease; Patterson

Drillers; Patterson & Miller

Contractor; Dale Mining Co.

Water stands at 50'

Started; Dec. 1, 1954

Depth; 266'

Finished; Dec. 16, 1954

From	To	Description
0	29	Soil & clay
29	40	Gray lime, gray flint
40	80	Gray brown lime, gray flint
80	90	Oollite, brown lime
90	110	Gray brown lime, gray flint
110	125	Gray lime, little gray flint
125	165	Gray brown lime, gray flint
165	175	Gray lime, gray flint
175	200	Gray brown lime, gray flint
200	220	Gray brown blue flint, gray brown lime
220	235	" " " "
235	237½	" " " " , Zinc
237½	240	" " " " , trace Zinc
240	247½	Gray brown blue flint
247½	250	" " " " , Zinc
250	255	" " " " , shines Zinc
255	266	Gray brown blue flint, little gray lime.

Analysis

235	237½	1.42	60% Zinc CCK.
237½	240	0.58	"
247	250	3.50	"
250	255	2.40	"

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

P. O. Box #431
Joplin, Missouri

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC - 6 1954

December 2, 1954

The DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Co.
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are the following:

1. The original and three copies of my memorandum covering a routine inspection of the subject project, intended as a Field Team Interim Report.

2. Two copies of the subject Operator's Report for August, 1954, upon which the data of the Field Finance Officer was received and posted today.

3. Two copies of my letter today to the Operator concerning Field Team approval of its October, 1954, Report (no drilling was completed or reported in September).

4. Two prints of a sketch map furnished the Operator confirming my approval of next seven tentative drill hole sites mutually agreed upon.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks

cc: DMEA Op. Com. (1)
2485 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
P. O. BOX 431
JOPLIN, MISSOURI

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 6 1954

December 2, 1954

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Joplin, Missouri

Subject: Interim Report, Project contract Idm-E325
Dale Mining Company
811 Kentland Drive, Neosho, Mo.
Docket DMEA-2485 (lead-zinc)
Patterson Mine
near Granby, Newton County, Missouri

This project was inspected by me on the afternoon of November 23, 1954. Since the last inspection there on September 30, churn drilling of holes No. 21, 22, and 23 had been completed and No. 24 was in progress at 145 feet in depth.

Referring to the map submitted with the Field Team's Interim Report of last June 4, the locations of those holes were confirmed to be as follows:

Nearly at the X-12 site I recommended, hole No. 21 is 400 feet N 49° E of hole No. 3.

Contrary to any tentative site previously proposed by the Operator, authorized by the Contract (Amendment #3), or approved by the Field Team, Hole No. 22 had been drilled at 97 feet due north of hole No. 3.

Presumably near enough to my recommended sites X-10 and X-11 to be regarded as acceptable by the Field Team and the Government under the contract authorization, drilling of hole 23 at 97 feet due east of hole 22, had been completed, and hole 24 at 96 feet due north of hole 22, was in progress.

The following results were indicated by that drilling:

Reported analyses of samples taken from depths of 205 to 212½ feet in hole 21 average 2.65 percent zinc on that upper submarginal ore level which also was indicated by holes No. 17, 18, 19, and 20. But in hole 21 significant zinc mineralization also was reported from 237½ to 240 feet in depth which is in the Reeds Spring formation where the ore was found in hole No. 3.

Hole No. 22 indicated that same Reeds Spring ore level and reserve calculated in the Interim Report of last June 4 to be within the orbit of No. 3 hole.

Hole 23 indicated only traces of zinc-lead mineralization. No minable ore reserves are believed to have been indicated.

The following recommendations are made:

1. The Field Team should approve the Operator's Monthly Reports and claims for the costs of drilling holes No. 21, 23, and 24, but not for hole 22.

2. The Operator should obtain prior formal approval from the Field Team for any hole to be drilled in proposed locations other than those authorized by Contract Amendment No. 3.

3. The Operator should submit with its Monthly Reports the required "narrative description of progress made, results accomplished, any unusual difficulties encountered.....illustrated with..... map, logs, and assays", etc.

4. In order to possibly justify continuation of the project to completion of the contract, the proposed hole sites I recommended on the map with the June 4 Interim Report, X-9, -3, -6, -8, -1, and -2, apparently should be drilled in that sequence during the next three months. Unless drilling of some of those 6 holes plus hole No. 24, now in progress, indicates possible ore extensions warranting of further exploratory drilling, the deposit then would appear to be delineated to the extent that DMEA is permitted to participate.

During the past 5 months since Contract Amendment #3 was executed last July to permit drilling of an additional 24 holes this year, only 5 of those holes had been completed when the project was inspected. One of those apparently not subject to Field Team

approval, a total of only 28 acceptable holes, aggregating 7,496 feet of churn drilling, had been completed since the start of the project work in July, 1952, under the subject contract and the three subsequent amendments thereto.

No check sampling has been done by the Field Team.

No ore has been produced since the Patterson mining operations were disbanded in September 1953.

Clinton C. Knox

Clinton C. Knox
Mining Engineer

CCK/vks

cc: DMEA Oper. Comm (3)
2485 file

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 6 1954

P. O. Box #431
Joplin, Missouri

Belly

December 2, 1954

The DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Co.
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

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Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks

cc: DMEA Op. Com. (1)
2485 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

P. O. BOX 431
JOPLIN, MISSOURI

Defense Minerals Administration
RECEIVED
DEC 6 1954

December 2, 1954

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Joplin, Missouri

Subject: Interim Report, Project contract Idm-E325
Dale Mining Company
811 Kentland Drive, Neosho, Mo.
Docket DMEA-2485 (lead-zinc)
Patterson Mine
near Granby, Newton County, Missouri

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The following recommendations are made:

1. The Field Team should approve the Operator's Monthly Reports and claims for the costs of drilling holes No. 21, 23, and 24, but not for hole 22.

2. The Operator should obtain prior formal approval from the Field Team for any hole to be drilled in proposed locations other than those authorized by Contract Amendment No. 3.

3. The Operator should submit with its Monthly Reports the required "narrative description of progress made, results accomplished, any unusual difficulties encountered.....illustrated with..... map, logs, and assays", etc.

4. In order to possibly justify continuation of the project to completion of the contract, the proposed hole sites I recommended on the map with the June 4 Interim Report, X-9, -3, -6, -8, -1, and -2, apparently should be drilled in that sequence during the next three months. Unless drilling of some of those 6 holes plus hole No. 24, now in progress, indicates possible ore extensions warranting of further exploratory drilling, the deposit then would appear to be delineated to the extent that DMEA is permitted to participate.

During the past 5 months since Contract Amendment #3 was executed last July to permit drilling of an additional 24 holes this year, only 5 of those holes had been completed when the project was inspected. One of those apparently not subject to Field Team

approval, a total of only 28 acceptable holes, aggregating 7,496 feet of churn drilling, had been completed since the start of the project work in July, 1952, under the subject contract and the three subsequent amendments thereto.

No check sampling has been done by the Field Team.

No ore has been produced since the Patterson mining operations were disbanded in September 1953.

Clinton C. Knox
Clinton C. Knox
Mining Engineer

CCK/vks

cc: DMEA Oper. Comm (3)
2485 file

DMEA Operating Committee

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

P. O' Box #431
Joplin, Missouri

December 2, 1954

Mr. Gerald Klepinger
Dale Mining Company
811 Kentland Drive
Neosho, Missouri

Re: Project Contract Idm-E325
Dale Mining Co.
Patterson Mine
Newton County, Missouri
Docket DMEA-2485 (lead-zinc)

Dear Gerald:

Your MF-104 Report, received on November 17, covering the two holes churn drilled on your project during September and October, 1954, has been approved in part, by this office and the original transmitted today to the Regional Finance Officer, U. S. Bureau of Mines, Amarillo, Tex., for certification for the Government's 50 percent payment.

Only the cost of drilling the first of those two holes, No. 21, amounting to $636.00, half of which is to be the Government's share, was approved. That for drilling hole No. 22 was not approved because its location was not authorized by Contract Amendment No. 3, nor did you justify, request, or receive prior Field Team approval as required before such a departure from the contract authorization.

In response to your requests during our conversation on November 30, however, I approve of the locations of holes No. 23 and 24, drilled during November.

Based on some zinc ore visually indicated by panning when the Bureau's Sampler took 8 check samples from hole No. 24 last Tuesday, I hereby approve your proposed location of hole 25 as shown on the attached sketch map, to be drilled about 150 feet northwest of No. 24. Those 8 check samples, each representing your drill hole cuttings for a 2½-foot interval were taken from 235 to 255 feet in depth in hole 24, and on which I will request analyses by the Bureau's Rolla Laboratories.

Likewise, your next six tentative drill hole sites which I approve also are indicated on the attached sketch map. Please notify me in advance of any changes that might become preferable.

Also attached herewith are five copies of each of the forms on which to make your November report.

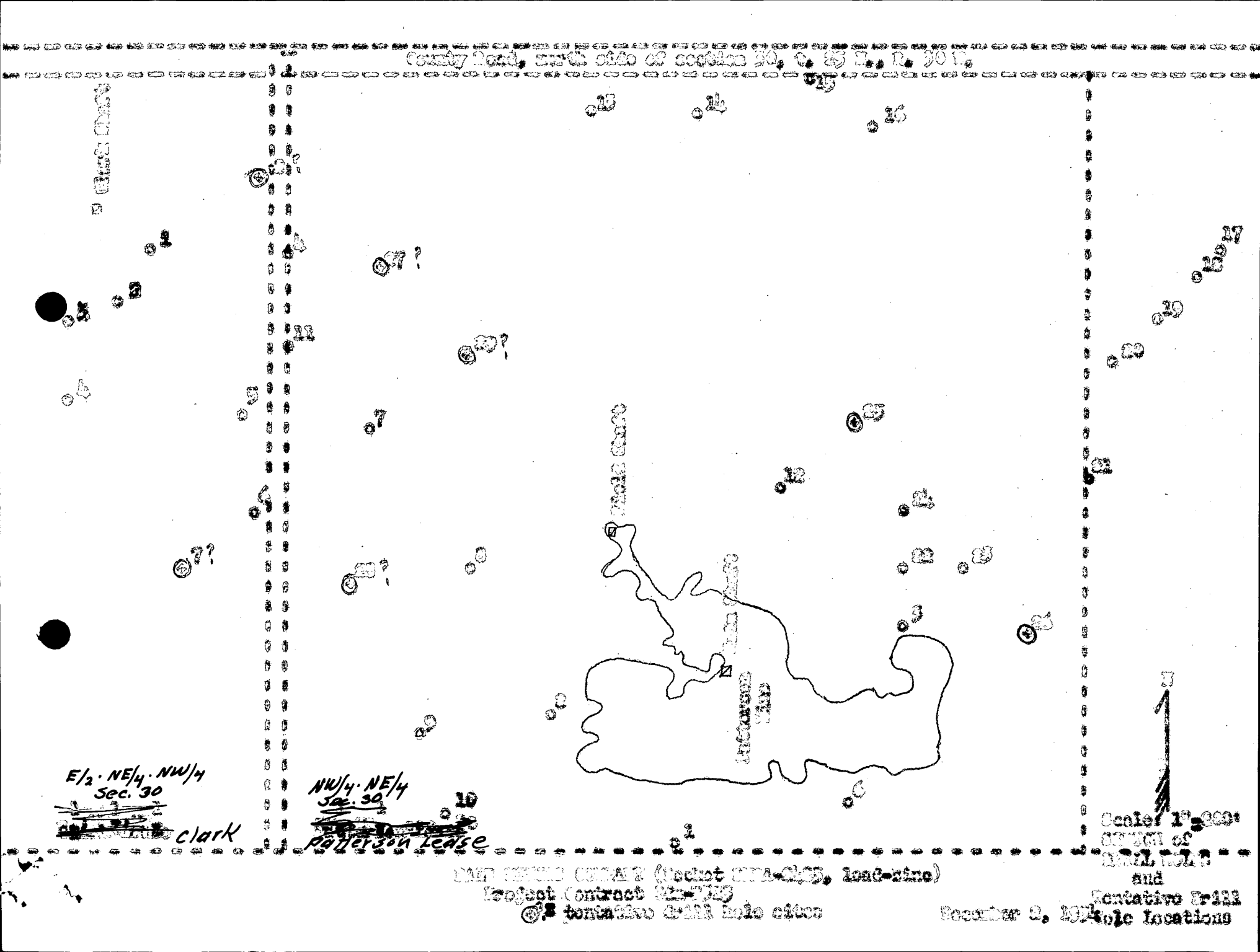
Very sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vis

Encl. (11)

cc: DMEA Op. Com. (2)
Mr. Waldrop
2485 file


County Road, south side of section 30, T. 25 N., R. 30 E.
E/2 · NE/4 · NW/4
Sec. 30
Clark
NW/4 · NE/4
Sec. 30
Patterson Lease
Scale 1" = 200'
Sketch of
Drill Holes
and
Tentative Drill
Hole Locations
December 2, 1954
Project Contract
Tentative drill hole sites

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
P. O. BOX 431
JOPLIN, MISSOURI

December 2, 1954

Memorandum

To: L. T. McElvenny, Chief, Mining Branch, Rolla, Missouri

From: C. C. Knox

Subject: Field Team check sampling of churn drill hole cuttings on DMEA Project Contract Idm-E325, Dale Mining Co., Patterson Lease, Near Granby, Newton County, Mo.

The eight samples described in the attached request for Analytical Report, are being submitted under separate cover.

These requested analyses are for a routine check of the Operator's sampling required of the Field Team occassionally on DMEA projects.

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks

C.F. copy (990.1)

cc: L. T. McElvenny
DMEA Op. Com. (2)
2485 file

UNITED STATES DEPARTMENT OF THE INTERIOR – Bureau of Mines
Minerals Technology Division – Metallurgical Branch – Rolla, Missouri

ANALYTICAL REPORT

Specify origin of sample: Industrial Metallurgical Branch Mining Branch Other Federal or State Agency
Prospect Research Problem Special Project No. [illegible]

Section submitting sample: [illegible] Section head initials: [illegible]

Analysis requested: Chemical Differential thermal Petrographic Spectrographic X-Ray

Date received: Date reported:

Description and location of sample: [illegible] sec. 30, [illegible] Project Contract [illegible]

Section Sample Number	Lab. No.	Analysis, percent										
		Sampling Interval										
		[illegible]	[illegible]		[illegible]	[illegible]						
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									
[illegible]		[illegible]	[illegible]									

Wash. Copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC 2 6 1954

DALE MINING COMPANY

Narrative Report
November, 1954

Docket DMEA-2485 Zinc and Lead

Patterson Lease
Holes 23 & 24

Due to Mr. C. C. Knox's letter of December 2, 1954, in which hole No. 22 was disapproved, I have deducted 275' from the total drilling and $660.00 from the cost on this drilling project under amendment No. 3.

Enclosed find forms MF 104 and MF 104A, the drill logs, and sample assays on the above holes drilled during November.

In protest of the disapproval of hole No. 22, it was drilled for the purpose of getting back on the main run of ore, if it went out that direction from the mine, so seemed very important to drill before holes 23 and 24. Holes 23 and 24 which have just been completed and proposed holes 25 and 26 will show if our run of ore extends to the north or to the east.

RECEIVED
MINERALS TECHNOLOGY
DIVISION

DEC 13 1954

BUREAU OF MINES
JOPLIN, MO.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1954 Docket No. DMEA 2485 Contract No. Idm-E325
Operator's Name Dale Mining Company Minerals Lead-Zinc
Address Neosho, Missouri
Contract Amount, $ 31,104.00 Government Participation: 50 % Amount, $ 15,552.00

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 520' at 2.40	1,248.00	17,354.40	18,598.40			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,248.00	17,354.40	18,598.40			

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

Date 12-13-1954 *Payee DALE MINING COMPANY

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Adm-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Dec. 22, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date Dec. 22, 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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1954 Docket No. DMEA 2485 Contract No. Idm-E325

Operator's Name Dale Mining Company Minerals Lead-Zinc

Address Neosho, Missouri

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	1,248.00	520	18,598.40	7,751	2.40	12,960	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,248.00	520	18,598.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,248.00		18,598.40				31,104.00

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

Date Dec. 13, 1954 Operator DALE MINING COMPANY

Per Gerald Klepinger Title PARTNER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	97' East of hole 22	Hole No. 23	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Oct. 29, 1954	Water stands;	40'
Finished;	Nov. 16, 1954	Depth;	255'

From	To	Description
0	30	Soil & clay
30	40	Gray lime, gray flint
40	80	Gray brown lime, gray flint
80	90	Oollite; brown lime
90	150	Gray brown lime, gray flint
150	200	Brown gray lime, gray flint
200	232½	Gray brown blue flint; little brown lime
232½	235	Brown blue gray flint
235	242½	Gray brown blue flint; trace Zinc
242½	252½	" " " " ; little spar
252½	255	" " " " ; little gray lime

DUPLICATE

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

Hale 24

JOPLIN, MISSOURI, Dec. 8 1954

Metal

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
235' - 242½'	0.70 = 1.17%			60%	good		
247½ - 255'	2.70 = 4.50	"	"	"	" "		

C. V. Millar Chemist

To Dale Mfg Co.

Fee $

Mineral Administration
RECEIVED

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 187' East of hole 12
96' N.N.West hole 22

Hole No. 24

Location; NE¼; Sec. 30
T. 25; R. 30

Farm Name; Patterson

Lease; Patterson

Contractor; Dale Mining Co.

Drillers; Patterson & Miller

Started; Nov. 17, 1954

Water stands; 40'

Finished; Nov. 30, 1954

Depth; 265'

From	To	Description
0	29	Soil & clay
29	40	Gray lime; gray flint
40	80	Gray brown lime, gray flint
80	90	Oollite, brown lime
90	140	Gray brown lime, gray flint
140	205	Brown gray lime, gray flint
205	230	" " ", gray blue flint
230	235	Gray brown blue flint
235	237½	" " " " , trace Zinc
237½	240	" " " " , Zinc
240	242½	" " " " , trace Zinc
242½	247½	Gray brown blue flint
247½	250	" " " " , trace Zinc
250	252½	" " " " , Good Zinc
252½	255	" " " " , Zinc shines
255	257½	" " " "
257½	265	Gray brown blue flint; little brown lime

Analysis

235'	242½	1.17	Zinc
247½	255	4.50	Zinc

Wash. Copy

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MINERALS TECHNOLOGY
DIVISION

NOV 17 1954

BUREAU OF MINES
JOPLIN, MO.

DEPT. OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
DEC 27 1954

DALE MINING COMPANY

Narrative Report

Docket DMEA 2485 Zinc & Lead

Patterson Lease
Holes 21 & 22

Enclosed find forms MF- 104 and MF- 104A, and the drill logs on the above holes.

These two holes show good zinc which makes our reserves around No. 3 hole much larger. We are very encouraged from these last holes.

Sincerely yours

Gerald Klegringer

DALE MINING CO.

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

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

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

Month of [illegible], 195[illegible] Docket No. DMEA 2405 Contract No. DMI B 325
Operator's Name [illegible]
Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: [illegible] % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling [illegible] - 2.40	[illegible]	16,712.40	20,024.40			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]			

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

Date Nov. 15, 1954 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$

Signature
(Authorized Certifying Officer)

Date Vou. No.

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 28 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of OCTOBER 195[illegible] Docket No. DMEA 2[illegible]5 Contract No. [illegible]-32[illegible]
Operator's Name DALE MINING CO.
Address [illegible] Minerals [illegible]

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	1295.00	540	10,024.40	7205	2.40	12,000	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1295.00	540	10,024.40			Total Costs Authorized by Contract	
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1295.00	540	10,024.40				30,000.00

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

Date Nov. 15, 1954 Operator Dale Mining Co.
By Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DEPARTMENT OF THE INTERIOR
Bureau of Mines
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DEC 27 1954

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole: 400' NE. of hole No. 3
343' NE. of hole No. 22

Hole No. 21

Farm Name; Patterson

Location; NE¼; Sec. 30
T. 25; R. 30

Lease; Patterson

Contractor; Dale Mining Co.

Drillers; Patterson & Miller

Started; Sept. 23, 1954

Water stands; 30'

Finished; Oct. 9, 1954

Depth; 265'

From	To	Description
0	29½	Soil & clay
29½	40	Gray lime, little gray flint
40	80	Gray brown lime, gray flint
80~~85~~	85	Oollite, brown lime
85	145	Gray brown lime, gray flint
145	155	Gray brown lime, gray brown flint
155	205	Gray brown lime, gray brown flint
205	212½	Gray brown blue flint; Zinc
212½	217½	" " " "
217½	220	" " " " ; Zinc
220	222½	" " " " ; trace Zinc
222½	230	Gray brown blue flint
230	232½	" " " " , gray lime
232½	237½	Gray brown blue flint
237½	240	" " " " ; shines Zinc
240	257½	" " " "
257½	265	Gray brown flint

Analysis

		Metal	Zinc
205	210'	3.60	6.00
210	212½	.75	1.25

DEC 8 1954

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	97' N. of hole No. 3 242' S. of E. of hole 12 230' NE of Blower hole	Hole No. 22	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Oct. 13, 1954	Water stands;	40'
Finished;	Oct. 29, 1954	Depth;	275'

From	To	Description
0	29	Soil & clay
29	40	Gray lime, gray flint
40	80	Gray brown lime, gray flint
80	85	Oollite, brown lime
85	160	Gray brown lime, gray flint
160	210	Brown gray lime, gray flint
210	225	Gray brown ~~li~~ blue flint, little gray lime
225	237½	" " " "
237½	242½	" " " " ; Zinc
242½	245	" " " " & trace Zinc
245	252½	Gray brown blue flint
252½	257½	" " " " ; Zinc
257½	260	" " " " ; Zinc shines
260	272½	Gray blue brown & white flint
272½	275	Gray brown blue flint, little gray lime

Analysis

		Metal	Zinc
237½'	242½	4.00	6.60
252½	257½	3.20	5.33

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

P. O. Box #431
Joplin, Missouri

December 22, 1954

Mr. H. N. Smith, Regional Director
U. S. Bureau of Mines
218 Federal Building
Bartlesville, Okla.

Re: Project Contract Idm-E325
Dale Mining Co.
Patterson Mine
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)
Attention: Field Finance Officer, Region VI

Dear Sir:

Transmitted herewith is the original of the subject Operator's Monthly Report for the work done in November, 1954, as approved in this office for your certification for the Government's participation payment.

Please advise me of the amount, the Certifying Officer's name, the date, and Voucher number for the Certification to the disbursement office as required by the DMEA Contract Administration and Audit Division to be posted on the lower right corner of my copy and the two Washington copies of the MF-104 claim of the Operator.

With the Season's Greetings, I remain,

Very sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK-vks

Encl.

cc: DMEA Op. Comm. (2)
2485 file

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

P. O. Box #431
Joplin, Missouri

December 22, 1954

Mr. Gerald Klepinger, Executive Partner
Dale Mining Co.
811 Kentland Drive
Neosho, Missouri

Re: Project Contract Idm-E325
Dale Mining Co.
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

Dear Gerald:

Your Monthly Report and MF-104 claim received on December 13, for the two holes churn drilled on your project during November, 1954, has been approved in this office today and the original forwarded for Certification for payment to the new Regional Finance Officer at the regional headquarters of the Bureau of Mines recently moved to 218 Federal Building, Bartlesville, Okla.

Enclosed herewith are five copies each of forms MF-104 and MF-104A for use in preparing your December project reports.

Also consider this as formal approval of the location of hole No. 26A, about 25 feet southeast of hole No. 26, the location of which was previously approved. I regretted to learn from your long distance telephone call yesterday, that drilling in hole 26 had to be abandoned at 40 feet in depth due to crevices, bad slides, boulders, etc., but that sometimes may be unavoidable in Tri-State explorations. The changed location you proposed no doubt may be just as favorable. Also I regret to say, as you know, that I will not approve Government participation in costs of abandoned holes.

With the best of the Season's Greetings, I remain

Very sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks
Encl. (10)
cc: DMEA Op. Com. (2)
Regional Finance Officer, Bartlesville
2485 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
P. O. BOX 431
JOPLIN, MISSOURI

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 11 1954

October 8, 1954

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Mining Engineer, Bureau of Mines, Joplin, Mo.

Subject: Interim Report, Project Contract Idm-E325

Dale Mining Co.
811 KentlandDrive, Neosho, Mo.
Docket DMEA-2485 (lead-zinc)
Patterson Mine
Near Granby, Newton County, Mo.

The above-cited project was inspected by me on the morning of September 30, 1954. Since the last project inspection on August 18, churn drilling of holes No. 19 and 20 had been completed and, following a 2-week recess in September while the drilling contractor put down a well for a farmer one mile north where zinc ore reportedly was encountered, project hole No. 21 was in progress at 130 feet in depth.

With reference to the map attached to the Field Team Interim Report of last June 4, hole No. 19 is located as verbally approved by the Executive Officer, 100 feet S45° W of hole 18; hole 20 is located likewise 100 feet S45° W of 19; and 21 likewise approved is about 175 feet S10° W of hole 20.

I recommended that the Operator include concise drill hole location data with the logs submitted in its future Monthly Report to assure the Field Team that the previously approved drilling sites are being occupied, that a 2½-foot sampling interval be maintained when possible, and a resumption of submitting copies of the analytical laboratories "assay certificates" with the Operator's Monthly Reports.

Since the start of the exploratory work in July 1952, under the subject project contract and three subsequent amendments thereto, 26 holes, aggregating 6,966 feet of churn drilling had been completed and the 27th hole was in progress at 130 feet in depth on September 30, 1954.

No check sampling has been done by the Field Team.

No ore has been produced since the Patterson mine was closed down a year ago.

Clinton C. Knox

CCK/vks

Clinton C. Knox

cc: DMEA Op. Com.
2485 file

Form MF-104A
(April 1952)

RECEIVED
MINERALS TECHNOLOGY
DEC 6 1954

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 14 1954
BUREAU OF MINES
JOPLIN, MO.

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 2[illegible] Contract No. DMI [illegible]
Operator's Name DOLE MINING COMPANY Minerals [illegible]
Address [illegible] Co., Mo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	[illegible]	1279.20	533'	16,728.40	[illegible]	2.40	12,[illegible]'	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1279.20	533	16,728.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1279.20	533	16,728.40				31,104.00

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

Date Sept. 11-54 Operator Dole Mining Co.
Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

SEP 14 1954

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

Month of August, 1954 Docket No. DMEA 2-52 Contract No. DMEA 2-325
Operator's Name DALE MINING COMPANY Minerals Zinc & Lead
Address BOISE, ID.
Contract Amount, $~~47,31,104~~.00 Government Participation: 50% Amount, $25,958.00

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 533' - 2.40	1279.20	15,439.20	16,718.40			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1279.20	15,439.20	16,718.40			

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

Date Sept. 11-54 *Payee Dale Mining Co

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$639.60

Signature
(Authorized Certifying Officer)

Date 9-21-54 Vou. No. DMEA 6-78

(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. dm-E375 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Sept. 15, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date Sept. 15, 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

Wash. Copy
August Report

RECEIVED
MINERALS TECHNOLOGY
DIVISION
SEP 14 1954
BUREAU OF MINES
JOPLIN, MO.

DEPARTMENT OF ... Defense Minerals Administration
RECEIVED
DEC - 6 1954

DALE MINING COMPANY

Narrative Report

Docket DMEA 2485 Zinc & Lead

Patterson Lease
Holes 19 & 20

Enclosed find forms MF- 104 and MF- 104A, and the drill logs on the above holes.

In hole 19 the zinc seems to be about the same depth as the other holes in this area. Hole 20 shows a deeper run of zinc which is more in line with the zinc that we were mining on this lease.

Sincerely yours;

Gerald Klepinger

DALE MINING CO.

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DIVISION
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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SEP 14 1954
DEC 6 1954
BUREAU OF MINES
JOPLIN, MO.

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 100' SW of hole 18 — Hole; 19

Farm Name; Patterson — Location; NE¼; Sec. 30 T. 25; R. 30

Lease; Patterson

Contractor; Dale Mining Co. — Drillers; Patterson & Miller

Started; Aug. 6, 1954 — Water stands; 60'

Finished; Aug. 20, 1954 — Depth; 265'

From	To	Description
0	~~30~~ 28½	Soil & clay
28½	80	Gray brown lime little gray flint
80	85	Oollite, brown lime
85	160	Gray brown lime, gray flint
160	190	Brown gray lime, gray flint
190	210	Gray brown lime, gray brown flint
210	220	Gray brown ~~lime~~ blue flint; trace Zinc & lead
220	227½	Gray blue brown flint; Zinc
227½	232½	" " " " ; Little gray lime
232½	235	" " " "
235	240	Gray brown blue flint, trace Zinc
240	245	" " " " ;
245	265	" " " " ; little gray lime

Analysis

		Zn Metal	~~Zinc~~ Blende C.C.K.	Galena
210	220	.95	1.60	.60
220	227½	1.85	3.10	

SEP 14 1954
BUREAU OF MINES
JOPLIN, MO.

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole; 100' SW of Hole 19 — Hole No. 20

Farm Name; Patterson — Location; NE¼; Sec. 30 T. 25; R. 30

Lease; Patterson

Contractor; Dale Mining Co. — Drillers; Patterson & Miller

Started; Aug. 21, 1954 — Water stands; 35

Finished; Sept. 3, 1954 — Depth; 268'

From	To	Description
0	28½	Soil & clay
28½	40	Gray lime, gray flint
40	50	Gray brown lime, gray blue flint
50	80	Gray brown lime, gray flint
80	85	Oollite, brown lime
85	185	Gray brown lime, little gray flint
185	210	Brown gray lime, gray flint
210	225	Brown gray blue flint
225	227½	Brown gray Blue flint, Zinc shines
227½	230	" " " " , trace Zinc
230	240	" " " " .
240	242½	" " " " , Zinc
242½	245	" " " " , trace Zinc
245	252½	Gray brown blue flint
252½	257½	" " " " , trace Zinc
257½	265	" " " " ;
265	268	Light blue gray brown flint

Analysis

		Zn Metal	~~Zinc~~ Blende	GCH.
225'	227½'	1.75	2.91	
240'	242½'	1.85	3.10	

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
[redacted]

P. O. Box #431
Joplin, Missouri

September 3, 1954

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Project Contract Idm-E325
Dale Mining Co.
Patterson Mine
Newton County, Mo.
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are two copies of the Operator's March Report on the subject exploration project, as required by your office.

The original of the March Report had been forwarded to the Regional Finance Officer on last April 12; that of the April Report on August 25. Notice was received today that both were certified for the Government's participation payments, as per voucher data you will want to post as in the attached copy of the Finance Officer's August 30 letter to me.

You will recall that your two copies of the above-mentioned April Operator's Report, were transmitted to Washington prematurely for your advance information, with my Interim Report on the subject project of last June 4.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks

Enclosures (4)

cc: DMEA
2485 file

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
[redacted]

C
O
P
Y

Office of
Regional Director

Room 514 Barfield Building
Amarillo, Texas

August 30, 1954

Mr. Clinton=C. Knox, Executive Officer
DMEA Field Team, Region VI
P. O. Box 431
Joplin, Missouri

Re: Dale Mining Company
Contract Idm-E325

Dear Mr. Knox:

The April report for the Dale Mining Company was certified for payment today, in the amount of $308.40.

The schedule was numbered DMEA 6.-77 and was dated August 30, 1954.

The March report was numbered DMEA 6.-75, dated April 14, 1954, and was in the amount of $649.20.

Yours very truly,

/s/ E. L. Waldrop
E. L. Waldrop
Budget and Finance Branch
Region VI

Work. Copy

RECEIVED
MINERALS TECHNOLOGY
DIVISION

APR 7 1954

BUREAU OF MINES
JOPLIN, MO.

DALE MINING COMPANY

Narrative Report

Docket DMEA 2485

Zinc & Lead

Patterson Lease

Holes 16 & 17

Enclosed find forms MF-104 and MF-104A, and the drill logs on the above holes.

The zinc showing in this last hole is encouraging but looks like we need more drilling to locate our main run of ore.

Sincerely Yours;

Gerald Klepinger

Dale Mining Co.

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 7 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA Contract No. IDM E- 325

Operator's Name DALE MINING COMPANY Minerals Zinc & Lead

Address NEOSHO, MO.

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								9/13/54 - JWA.
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	feet	1298.40	541	14,822.40	6176	2.40	6480	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1298.40	541	14,822.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1298.40	541	14,822.40				15,552.00

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

Date April 2, '54 Operator Dale Mining Co.

Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 1954 Docket No. DMEA Contract No. IDM E- 325
Operator's Name DALE MINING COMPANY Minerals
Address NEOSHO, MO.
Contract Amount, $ 15,552.00 Government Participation 50 % Amount, $ 7,776.00

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 Contracts: Short Form						
Drilling 541' - 2.40	1298.40	13,524.00	14,822.40			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1298.40	13,524.00	14,822.40			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 2 '54 *Payee Dale Mining Co.
By Gerald Klepanger Title Partner

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

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

(Instructions on reverse)

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

$ 649.20

Signature
(Authorized Certifying Officer)

Date April 14, 1954 Vou. No. DMEA 6-75

(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. Adm-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date April 12, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer Date April 12, 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

DALE MINING COMPANY

Exploration drilling log

Location of hole:	125' SE of hole 15	Hole No. 16
Farm name:	Patterson	Location: NE¼ Sec. 30 T. 25; R. 30
Lease:	Patterson	
Contractor:	Dale Mining Co.	Drillers: Patterson & Miller
Started:	Feb. 26, 1954	Water stands: 28'
Finished:	March 15, 1954	Depth: 265'

From	To	Description
0	28	Soil & clay
28	75	Gray brown lime, gray flint
75	85	Oolite, brown lime
85	205	Gray brown lime, gray flint
205	235	Gray brown blue flint, trace zinc & lead
235	240	Gray blue brown flint, trace zinc
240	265	Gray blue brown flint

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	615 SE of Hole 16	Hole No. 17	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	March 17, 1954	Water stands;	45'
Finished;	March 31, 1954	Depth;	276'

From	To	Description
0	30	Soil & clay
30	40	Gray & yellow lime
40	75	Gray brown lime, gray flint
75	85	Oollite, brown lime
85	155	Gray brown lime, gray flint
155	190	Brown gray lime, gray flint
190	205	Gray brown flint, gray lime
205	212½	Gray brown blue flint, Zinc shines
212½	215	" " " " .
215	217½	" " " " , Zinc
217½	222½	" " " " , Zinc shines
222½	225	" " " " .
225	227½	" " " " , Zinc
227½	255	" " " " .
255	276	Gray brown blue flint, some white flint, some gray lime

Analysis

		Metal	Zinc
215	217½	1.30	~~2.17~~ C.C.K.
225	227½	3.05	~~5.09~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
[redacted]

P. O. Box #431
Joplin, Missouri

August 25, 1954

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Mining Engineer, Bureau of Mines, Joplin, Missouri

Subject: Interim Report, Project Contract Idm-E325
Dale Mining Co.
811, Kentland Drive, Neosho, Mo.
Docket DMEA-2485 (lead-zinc)
Patterson Mine
Near Granby, Newton County, Mo.

The above-cited project was inspected by me on the afternoon of August 18, 1954. Work had been resumed following a recess of the project churn drilling from April 29 until August 9, 1954, when the Operator had obtained new Owners' Consents to Lien and signed Amendment No. 3.

Summary and Recommendations

At the time of this project inspection, churn drilling of the first hole under Amendment No. 3, designated as hole No. 19, was in progress at 220 feet in depth in the lower Grand Falls strata, and marginal-appearing zinc mineralization had been encountered.

That hole is located S45°W, 100 feet from the previously drilled hole No. 18 (see map attached to the Field Team's Interim Report of last June 4). At the Operator's request for some curtailment at least in the initial scope of the drilling program specified in Amendment No. 3, and recognizing the prolongation of the depressing zinc market outlook, the Executive Officer verbally had approved that location which is somewhat at variance with tentative locations as shown on the map attached to Amendment No. 3.

In the attempt which must be made to find an eastward extension of the principal ore trend indicated in the Patterson mine, using the least possible amount of drilling, locations recommended for the next few holes to be drilled are at about 200-foot intervals along a line extending from hole 19 southwesterly through a point roughly 200 feet east of hole No. 3, the second drilled under the subject contract in August, 1952.

Whenever a significant extension of the Patterson mine's sheeted-type Reeds Spring ore primarily being sought on this project, is indicated in a churn drill hole, the Field Team will make a routine split of ore-bearing cutting samples and have some check-analyses run. However, no check sampling yet has been done by the Field Team.

Bench leveling to obtain the collar elevations of all holes drilled would afford a more comprehensive study of the structural geologic relationship to this unusual deposit at the Patterson mine. That study also is expected to furnish useful geologic information to the Bureau of Mines for its extensive research geophysical, and check churn drilling project being conducted by this writer in a 5-square-mile area surrounding the comparable-appearing Winchester deposit near Racine, Mo.

Work Completed

Prior to the recent resumption of drilling permitted by Amendment No. 3, all the 12 holes specified under the original project Contract Idm-E325, let June 22, 1952, and the additional 12 holes permitted upon approval of Amendment No. 1 on April 11, 1953, had been completed on April 29, 1954, with an aggregate total of 6,433 feet of churn drilling at an overall cost of $15,432.20. No Operator's Monthly Reports yet are due since that received for April which just now has been approved for the Government's 50 percent participation payment.

The Operator's royalty payments as due the Government under the subject contract amounted to $886.49 for 244 tons of zinc and lead concentrates produced from the Patterson mine prior to being forced to disband all operations there last September due to the zinc market collapse.

In addition to this project inspection last week, I also viewed the Operator's catastrophic mine cave in which just had occurred at its nearby Dungy mine in Stark City, Mo., where small-scale mining and milling operations had been continuing. Presumable due to resorting to robbing of higher grade ore in some old underlying pillars and possibly aggravated by water seepage from the Dale Company's central milling plant, a large surface area near the west wall of that mill had

dropped, carrying down two large thickening tanks, the ore bins, the zinc concentrate on hand, and an office building. Replacing of the lost structures and equipment already is underway, however, so that some productive operations soon could be resumed. But additional financial burdens now are placed on this small operator which is one of the few in the Tri-State still striving to do a little exploration work.

Clinton C. Knox

Clinton C. Knox
Mining Engineer

CCK/vks

cc: DMEA Operating Committee
Mr. Klepinger
2485 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

P. O. Box #431
Joplin, Missouri

June 3, 1954

Memorandum

To: DMEA Operating Committee, Washington 25, D. C.

From: Clinton C. Knox, Mining Engineer, Bureau of Mines, Region VI

Subject: Interim Field Team Report
Project Contract Idm-E325
Dale Mining Co., 811 Kentland, Neosho, Mo.
Docket DMEA-2485 (Lead-Zinc)

The above-cited project at the Operator's Patterson mine, 3 miles south of Granby in the north-central part of section 30, T. 25 N., R. 30 E., Newton County, Mo., was inspected by the writer on March 26, 1954.

Following a 2-month recess of the project work, holes No. 16 and 17 on the Patterson lease had been drilled during March, 1954, and since the churn drilling of No. 18, the final hole under the existing contract, was completed in April, after which the project work is again in recess. On April 14, the Operator requested a third amendment to the subject contract to permit drilling an additional 24 exploratory holes to more clearly indicate the extent of the ore deposit that had been found (see attached copies of the Operator's April 14 request, the Operator's April Report, and my proposed draft of the requested amendment).

Field Team approval of the Operator's April Report is being withheld pending approval of a proposed Amendment No. 3, or issuance of a project termination notice and receipt of the Operator's Final Report.

Summary and Conclusions

During the 23 months that the project contract has been in force, 24 holes, aggregating 6,433 feet of churn drilling has been completed at an overall claimed cost of $15,439.20. An extensive sheet ore deposit has been indicated and inferred from the results of 15 of those widely spaced holes. An estimated 188,900

ton ore reserve with an average 2.74 percent zinc content has been indicated by 10 of those holes which were more nearly contiguous while an additional 350,000-ton reserve reasonably can be inferred from the data on the other five favorable holes drilled on this project together with that available from neighboring data, geologic structural information, and underground mine exposures.

Since the previous Project Inspection Report for the Field Team by E. T. Perkins on January 8, 1954, churn drilling of holes No. 16, 17, and 18 were completed on the Patterson lease. Only insignificant zinc mineralization was reported to have been found in hole 16, completed at 265 feet in depth. Samples from 276-foot hole 17 were reported to contain 1.30 percent zinc from 215 to 217½ feet, and 3.05 percent from 225 to 227½ feet in depth. Samples from 257-foot hole 18 contained 1.10 percent zinc from 215 to 220 feet in depth feet in depth, and 2.15 percent from 222½ to 227½ feet.

The Operator's royalty payment to the Government as due under the subject contract amounted to $886.49 for the 240 tons of zinc concentrate and 4 tons of lead concentrate produced prior to being forced to disband mining there last September due to the collapse in the zinc market.

Recommendations

1. Approval of Amendment No. 3 of which a proposed draft and justification is attached herewtih, is recommended to permit continuing the project work under the subject 'short-form' contract.

Work completed

All the exploratory churn drilling specified under the existing contract is considered to have been completed successfully and in accordance therewith.

The Field Team has been sympathetic to the slow prosecution of the project work because of the low price of zinc which has made it difficult for this small operating company to finance the project work. The Operator is prepared, however, to continue this rate of small-scale exploration in order to be in a better operating position when the price does begin to rise.

The efficiency of the project operations apparently is above the part of most small Tri-State district mining concerns. The Operator admittedly has failed to find competent engineering and geologic consultation in this region which fact the Field Team recognizes as a serious handicap to small mining concerns here that cannot support an engineering staff of their own. For example correct surveys,

maps, and ore reserve estimates suggested by the Field Team to accompany the Operator's April 14 request for Amendment No. 3, could not be obtained until the latter part of May, and then they are admittedly inadequate. The Operator's Monthly Report likewise barely presented the details necessary to be acceptable by the Field Team.

From a geologic standpoint, insufficient data yet is available to clearly indicate the ore-bearing trends through the Patterson and Clark leases. Partial data, obtained on a confidential basis, on the ASRCO's Moss property, adjoining on the north as shown on the attached print of the writer's work map, gives some clues as to the possible extensions of the ore deposit of the Dale Mining Co. The deposit at the Patterson mine is the first example, however, that this writer has been in the Tri-State, of an apparently true sheet ore deposit in the Reeds Spring formation. It lies beneath the well-known, locally termed typical 'sheet-ground' horizon, or Grand Falls 'N-O-P-Q' beds in which broad sheeted ore deposits are found in many areas throughout this region.

Ordinarily spacing of exploratory holes 100 to 200 feet apart is sufficient to indicate the extent of these sheet-ground-type deposits. Contrary to this Patterson deposit, Reeds Spring ore usually has been found in narrow, nearly vertical shear zones or gashes throughout many of the Tri-State mining areas.

Judging from attempted contouring on the top of the Short Creek oolitic limestone, the elongated structural basin in which the Patterson mine is located, trends northwesterly about to hole No. 11 on the Clark property line where it possibly splits into three narrow fingers. The northeasterly one extending to the ASRCO's Moss Mine where only the Reeds Spring ore horizon was found to be mineable in 1941. The middle finger possibly continues northwesterly to (Federal) holes No. F-1, F-2, and F-3 as indicated on the attached map, 700 feet west of the Moss shaft. The trend of the southwesterly striking third 'finger' is inferred by the data from hole 6, recently drilled on the Clark tract. The spotty ore on various shallower horizons as indicated by the other holes on the Clark tract, the Moss tract, and by the most recently drilled Patterson holes 15, 17 and 18, are inferred to be on structural noses or ridges between the fingers, or on the flanks of the Patterson structural basin. The main stem of that basin is inferred to extend southeasterly from Patterson hole No. 3, in which direction no exploratory drilling yet is known to have been done. The foregoing analyses, based however on meager geologic data, is the justification for the proposed additional drill hole locations on the writer's attached work map.

Because the Field Team could frequently make the 25-mile trip to this project and became well acquainted with the Operator and methods being used, no check sampling or assaying was deemed justifiable.

The ore reserve estimates indicated by the drilling to date, also are attached herewith. An additional 350,000-ton reserve reasonably can be inferred which might be mineable under a higher zinc price.

Clinton C. Knox
Mining Engineer

CCK/vks

Attachments

ESTIMATE OF INDICATED ORE RESERVES

DALE MINING CO. - DOCKET DMEA-2485, PROJECT CONTRACT Idm-E325

Hole Number	Area -10% for pillars sq. ft.	Ore depth From-	Ore depth To -	Ore thickness feet	Volume (cu. feet)	Mineable tons of ore 12½ cu. ft./ton	Avg. content (percent) Zn	Calc. content tons Zn
Patterson Lease								
2	35,000 -3,500 31,500	242½	250	7½	236,250	18,900	3.89	735
3	53,000 -5,500 47,500	245	255	10	475,000	38,000	2.33	885
4	35,500 -3,500 32,000	240	247½	7½	240,000	19,200	1.98	380
6	15,500 -1,500 14,000	265	272½	7½	105,000	8,400	1.47	123
7	50,000 -5,000 45,000	242½	250	7½	337,500	27,000	1.93	521
8	62,000 -6,000 56,000	250	257½	7½	420,000	33,600	2.60	874
11	30,000 -3,000 27,000	247½	255	7½	202,500	16,200	1.80	292
12	15,000 -1,500 13,500	247½	255	7½	101,250	8,100	1.42	115
Clark Lease								
5	11,000 1,000 10,000	245	252½	7½	75,000	6,000	1.80	108
6	25,000 -2,500 22,500	250	257½	7½	168,750	13,500	8.50	1,148
Totals (10)	299,000					188,900		5,181
Averages				8			2.74	

Wash Copy

RECEIVED
MINERALS TECHNOLOGY
DIVISION
MAY 7 1954
JUN 7 1954 BUREAU OF MINES
JOPLIN, MO.

DALE MINING COMPANY

Narrative Report

Docket DMMA 2405 | Zinc & Lead

Patterson Lease

Hole 10

Enclosed find forms IT-10b and IT-10bA and the drill log on the above hole. Also a map showing the location of the 26 holes drilled in this contract.

There last two holes, No. 17 & No. 10, which have good zinc assays are very encouraging for a ore body in this new area. We are more drilling to show the extent of this ore body.

Sincerely yours,

Gerald Klepinger

Dale Mining Co.

April '54

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 2-25 Contract No. DMI 2-325
Operator's Name DALE MINING COMPANY Minerals Zinc & Lead
Address [illegible]

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	616.00	257'	15,439.20	6433	2.40	6400	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		616.00	257'	15,439.20				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		616.00	257'	15,439.20				15,552.00

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 6, '54 Operator Dale Mining Co.
By Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MINERALS TECHNOLOGY DIVISION
MAY 7 1954
BUREAU OF MINES
JOPLIN, MO.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 1954 Docket No. DMEA Contract No. 585
Operator's Name DALE MINING COMPANY Minerals Lead & Zinc
Address JOPLIN, MO.
Contract Amount, $15,552.00 Government Participation 50 % Amount, $7,776.00

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 Contractors: Short Form						
Drilling 257' - 2.40	616.80	14,822.40	15,439.20			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	616.80	14,822.40	15,439.20			

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

Date May 6, '54 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	50' SW of hole 17	Hole No. 18	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	April 15, 1954	Water stands;	35'
Finished;	April 29,1954	Depth;	257'

From	To.	Description
0	30	Soil & clay
30	80	Gray brown lime, gray flint
80	90	Oollite, gray lime
90	150	Gray brown lime, gray flint
150	180	Brown gray lime, gray flint
180	200	Gray brown lime, gray flint
200	210	Brown gray flint, gray lime
210	215	Gray brown blue flint, trace Zinc
215	220	" " " " , Zinc
220	222½	" " " " , trace Zinc
222½	227½	" " " " , Good Zinc
227½	230	" " " " , shines Zinc
230	235	Blue brown ~~blue~~ flint
235	240	" " " " , shines Zinc
240	257	" " " " .

Analysis

	Metal	Zinc
215' - 220	1.10	1.83
222½' - 227½'	2.15	3.60
235' - 240'	.50	.83

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

[redacted]
P. O. Box #431
Joplin, Missouri

Defense Minerals Administration
RECEIVED
FEB 26 1954

February 24, 1954

Betty

Operating Committee
Defense Minerals Exploration Adm.
Interior Bldg.,
Washington (25), D. C.

Re: Contract Idm-E325
Dale Mining Co.
Neosho, Mo.
Docket DMEA-2485 (lead-zinc)

Dear Sirs:

Transmitted herewith are two copies of the Operator's Monthly Report on the subject project for December, 1953, and two copies of that for January, 1954, both with forms MF-104, 104-A and other appropriate attachments as required by the Washington Office of DMEA.

The originals of the above-mentioned reports were transmitted to the Regional Finance Officer, U. S. Bureau of Mines, Amarillo, Texas, on Jan. 6 and Feb. 16 respectively, and notices of their having been scheduled for payment were received today as I have posted on the enclosed copies of the MF-104 vouchers.

Very sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

CCK/vks

Enclosures

c.c. Docket file

Wash. copy

FEB 4 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1954

DALE MINING COMPANY

Narrative Report

Docket DMEA 2405 Zinc & Lead

Hole No. 15 on Patterson Lease

Enclosed find forms MT-104 and MT-104A, and the drill log on the above hole.

This hole is too close to our North line to show much tonnage; but does show up where the zinc is on our lease.

Sincerely yours;

Gerald Klepinger

Dale Mining Co.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1954 Docket No. DMEA 2495 Contract No. 95-701 B-325
Operator's Name Dale Mining Company Minerals
Address Neosho, Mo.
Contract Amount, $ 15,552.00 Government Participation: 50% Amount, $ 7,776.00

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 260' - 2.40	624.00	12,900.00	13,524.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	624.00	12,900.00	13,524.00			

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

Date Feb. 1, 1954 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 312.00

Signature
(Authorized Certifying Officer)

Date 2-19-54 Vou. No. DMEA 6-73

(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-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Feb. 12, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Clinton C. Knox Title Executive Officer DMEA Field Team, Region III Date Feb. 16, 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).

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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).

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

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

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GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1954 Docket No. DMEA _____ Contract No. DMI R-325

Operator's Name Dale Mining Company

Address Neosho, Mo.

Minerals Zinc & Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	foot	524.00	200	13,524.00	5635	2.40	6430	2.40
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		524.00	200	13,524.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		524.00	200	13,524.00				15,552.00

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

Date Feb. 1, 1954 Operator Dale Mining Co.

Gerald Klepinger Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

[illegible]
[illegible]
[illegible]
2 6 1954

DALE MINING COMPANY

Exploration Drilling log

Location of Hole;	NE of hole 14	Hole No. 15	
Farm name;	Patterson	Location;	NE¼ Sec. 30 S. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Dec. 11, 1953	Water stands;	150'
Finished;	Jan. 7, 1954	Depth;	260'

From	To	Description
0	25	Soil & clay
25	35	Clay & boulders
35	45	Grey yellow lime, gray flint
45	75	Grey brown lime, gray flint
75	85	Oolitic, brown lime
85	115	Grey brown lime, gray flint
115	200	Brown gray lime, gray flint
200	210	Grey flint, gray brown lime
210	215	Grey brown blue flint, zinc & lead stains
215	225	Grey brown blue flint
225	232½	Blue brown gray flint; Good zinc
232½	237½	Blue gray brown flint
237½	240	" " " " , zinc stains
240	260	Brown blue gray flint

Analysis

		Metal	Zinc
225'	232½'	2.45	4.10

JAN 5 1954

DALO MINING COMPANY

Narrative Report

Bureau of Mines
Lands Minerals Administration
RECEIVED
JAN 26 1954

Docket DMA 2465 Zinc & Lead

Dalo No. 14 on Patterson Lease

Enclosed find forms MR-104 and MR-104A, and the drill log on the above Dalo.

We still have not hit that zinc that comes onto us from the North.

Sincerely yours;

Gerald Klepinger

Dalo Mining Co.

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

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

JAN 5 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 26 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1953 Docket No. DMEA 2465 Contract No. IDM E 325
Operator's Name Dale Mining Company Minerals
Address Keosho, Mo.
Contract Amount, $ 15,552.00 Government Participation: 50 % Amount, $ 7,776.00

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 260' - 2.40	624.00	12,276.00	12,900.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	624.00	12,276.00	12,900.00			

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

Date Jan. 4, 1954 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 312.00

Signature
(Authorized Certifying Officer)

Date 1-11-54 Vou. No. DMEA 6.-72

(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. Jdm-E 325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Jan. 6, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date Jan. 6, 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

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 26 1954

Month of December 1953 Docket No. DMEA 2105 Contract No. DMI 2 325
Operator's Name Dale Mining Company Minerals Zinc & Lead
Address Deposit, Pa.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	524.00	260	12,900.00	5375	2.40	6.00	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		524.00	260	12,900.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		524.00	260	12,900.00				29,992.00

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

Date Jan. 4, 1954 Operator Dale Mining Co.
Per Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Bureau Mineral Resources
RECEIVED
2 6 1954

DALE MINING COMPANY

Exploration Drilling Log

Location of Hole;	179' East of hole 13	Hole No. 14	
Farm Name;	Patterson	Location;	NE¼; Sec. 30 T. 25; R. 30
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Nov. 23, 1953	Water stands;	175'
Finished;	Dec. 10, 1953	Depth;	260'

From	To	Description
0	25	Soil & clay
25	40	Gray lime, gray flint
40	75	Gray brown lime, gray flint
75	80	Oollite, gray lime
80	195	Gray brown lime, gray flint
195	205	" " ", gray brown flint
205	220	Gray brown flint, little gray lime
220	237½	Gray brown blue flint
237½	242½	" " " ", Zink shines
242½	250	Gray brown blue flint
250	260	" " " ", gray lime

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
January 8, 1954

Re: DMEA-2485 Idm-E325
Dale Mining Co.
Newton County, Mo.
Lead-Zinc

JAN 11 1954

Memorandum

To: W. P. Williams, Executive Officer, DMEA Field Team Reg. VI

From: E. T. Perkins, Mining Engineer,

Subject: Inspection report of operations of the Dale Mining Company Granby, Missouri

The writer spent January 5, 1954 at the Dale Mining Company's operations near Granby, Missouri, which are under the supervision of Gerald Klepinger, Neosho, Missouri.

At the completion of Hole No. D-5 on the Clark Lease September 8, 1953 drilling was recessed and then Hole No. D-7 was started October 19, 1953 and completed November 5, 1953 at a depth of 265 feet. From 220 to 225 feet, 3.80% zinc was indicated and from 250 to 257½, 8.50% zinc. This completed the drilling on the Clark lease.

The drill rig was then moved back to the Patterson lease and Hole No. 13 completed at a depth of 276 feet with zinc shines indicated from 235 to 250 feet.

Hole No. 14 completed at a depth of 260 feet indicated zinc shines from 237½ to 242½ feet.

At the time of the inspection, January 5, 1954, Hole No. 15 had reached a depth of 220 feet with indications of zinc and some lead from 210 feet.

In order that these holes would show in proper relation to the holes drilled earlier on the Clark and Patterson leases and also show their relation to the underground workings, standard surveying methods were used to tie all the holes together and the locations were then plotted on the mine map.

Since the mine recessed operation and the underground equipment was removed to the surface October 12, 1953, no ore has been produced.

Edwin T. Perkins
Edwin T.Perkins
Mining Engineer

Orig & 3 - Operating Committee
1 - L. T. McElvenny

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
January 8, 1954

JAN 11 1954

INTERIM REPORT

DMEA Docket No. 2485, (Lead-Zinc)
Dale Mining Company
811 Kentland Drive, Neosho, Missouri
Contract No. Idm-E325

The above-referenced project was visited and inspected by the writer on December 17, 1953. Since this project is within a few miles of the Region VI DMEA office in Joplin the project is visited much more often than the formal written Interim Reports indicate.

Summary and Recommendations

The subject project was recessed from September 8, 1953 to October 19, 1953. Field inspection on December 17, 1953 showed that churn drilling operations were being conducted by the operator in an efficient manner. The project is a successful one in that new ore has been discovered and the operator has already made a substantial repayment of exploration costs to the Government from the sale of newly discovered ore.

The original contract Idm-E325 provided for the drilling of 12 churn drill holes on the Patterson lease at a total cost of $7,776.00. Upon the completion of the 12 holes the Operator asked for a new DMEA contract to conduct exploration on the adjoining Clark lease. Instead of a new contract the Operating Committee extended the original contract to include the Clark lease. Amendment No. 1, dated April 11, 1953 provided for 24 holes at a total cost of $15,552.00. On the original Clark Owner's Consent to Lien the amount $7,776.00 was entered - making Clark liable for the costs expended on both parcels. No specific sum was entered on the Patterson's Consent to Lien. In the best interests of the

Government and the Operator six of the drill holes proposed on the Clark lease were transferred to the Patterson lease by Amendment No. 2, dated October 7, 1953. Thus, if the total of 24 holes are completed only six will be on the Clark lease and 18 will be on the Patterson. At the execution of Amendment No. 2 new Owner's Consents to Lien were received from the Lessors. Although paragraph 4, "Changes and added provisions" were left blank on the latest Consents to Lien the Lessors and the Operator have asked that the amount of their liability be entered upon their respective Owner's Consent to Lien.

In view of the above the writer recommends that, if possible, the amount $1,920.00 be entered on the Clark Owner's Consent to Lien, and $5,856.00 be entered on the Patterson Consent to Lien. In accordance with a letter from C. O. Mittendorf, to all Executive Officers, dated July 6, 1953, the amounts may be entered on the forms by the phrase, "Liability for percentage royalty under this Consent to Lien is limited to the sum of $_____."

Work Completed

On the date of the inspection the Operator had completed a total of 20 churn drill holes on the Patterson and Clark leases. The 20 holes represent a total of 5451.5 feet of drilling at a cost of $13,083.60. The unit cost is $2.40 per foot. On December 17, 1953 the twenty-first hole was being drilled and was at a depth of 50 feet. Total authorized units is 6,480 feet, thus the contract is about 85 percent completed. Locations of drill holes are shown on the attached map.

At the termination of the originally authorized 12 holes the Operator exceeded the authorized footage of 3,240 feet by 76½ feet. The excess drilling was disallowed by the Field Team on the Operator's February, 1953 Monthly Report, MF-104. The Operator was reimbursed for only that amount of footage which would bring the total footage to the total authorized. Later when Amendment No. 2 was executed the contract period, amount, and authorized units were increased. Consequently it now appears that the Operator's claims for the over-drilling in February 1953 have been validated and the Operator is due reimbursement for the excess footage. The correction of 76½ feet of drilling at a cost of $183.60 is not reflected in succeeding monthly MF-104s.

Exploration work on this project is continuing its earlier successes in finding new ore reserves in the vicinity of the Patterson and Clark shafts. The ore is found in the Keokuk series of the Boone limestone at a depth of 220-250 feet.

W. P. Williams

W. P. Williams
Geologist,
U.S.G.S.

:jd

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D. C.~~
Joplin, Missouri
December 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 28 1953

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: Docket No.2485
Contract No. Idm-E325
Dale Mining Co.
Newton County, Missouri

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for November, 1953 on forms MF104-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on December 11, 1953 and notice of its certification has been received today.

Very truly yours,

W. P. Williams
Executive Officer
Field Team, Region VI

:jd
Enc.

DEC 8 1959

DALE MINING COMPANY

Narrative Report

Docket DMM 2405 Zinc & Lead

Hole No. 6 on Clark Lease
Hole No. 13 on Patterson Lease

Enclosed find forms MT-104 and MT-104A, and the drill log on the 2 above holes.

This No. 6 hole which is very good gives us good reason to think there is a considerable body of ore in this area.

In hole No. 13 we are trying to find the ore that comes across the line from the Red Bird Mining Co., on the North.

Sincerely yours;

Gerald Klepinger

Dale Mining Co.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 28 1953
IDAHO 8325

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1953 Docket No. DMEA 2485 Contract No. 0
Operator's Name Dale Mining Company Minerals
Address Keosho, Mo.
Contract Amount, $ 15,552.00 Government Participation: 50 % Amount, $ 7,776.00

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 941' - 2.40	1293.40	10,977.60	12,276.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1293.40	10,977.60	12,276.00			

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

Date Dec. 5, 1953 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 649.20

Signature
(Authorized Certifying Officer)

Date 12-16-53 Vou. No. DMEA 6,-71

(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-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Dec. 11, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date Dec. 11, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 28 1953

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

Month of November 1953 Docket No. DMEA 2-05 Contract No. IDM 3 325
Operator's Name Dale Mining Company
Address Moscow, Mo. Minerals Zinc - Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Foot	1298.40	541	12,276.00	5115	2.40	6000	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1298.40	541	12,276.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~1298.40~~	~~541~~	~~12,276.00~~				~~25,452.00~~

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

Date Dec 5, 1953 Operator Dale Mining Co.
Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Department of the Interior
Defense Minerals Administration
RECEIVED
DEC 28 1953

DALE MINING COMPANY

Exploration Drilling Log on Clark

Location of hole; 159' South of Hole 5 — Hole No. 6

Farm Name; Clark — Location; E. ½ of NE ¼ of NW ¼ Sec. 30; T. 25; R. 30

Lease; Clark

Contractor; Dale Mining Co. — Drillers; Patterson & Miller

Started; Oct. 19, 1953 — Water stands 226'

Finished; Nov. 5, 1953 — Depth; 265'

From	To	Description
0	25	Soil & clay
25	40	Gray lime, gray flint
40	65	Gray brown lime, gray blue flint
65	80	" " " , gray flint
80	90	Gray lime, oollite
90	210	Gray brown lime, gray flint
210	220	Gray brown flint, gray lime
220	225	Gray brown blue flint; good zinc
225	230	Gray brown blue flint; zinc shines
230~~23~~	235	Gray brown blue flint
235	245	" " " " ,zinc shines
245	250	" " " "
250	257½	" " " " ; very good zinc
257½	260	" " " "
260	265	" " " " ; little gray lime

Analysis

		Metal	Zinc
220'	225'	3.80	6.33
250'	257½	8.50	14.33

DALE MINING COMPANY

Exploration Drilling Log

Location of hole; 507' E. of NW cornor; 96' S. Hole No. 13

Farm Name; Patterson Location; NE¼; Sec. 30 T. 25; R. 30

Lease; Patterson

Contractor; Dale Mining Co. Drillers; Patterson & Miller

Started; Nov. 6, 1953 Water stands; 175'

Finished; Nov. 21, 1953 Depth; 276'

From	To	Description
0	25	Soil & clay
25	40	Gray lime, gray flint
40	75	Gray brown lime, gray flint
75	80	Oollite, gray lime
80	155	Gray brown lime, gray flint
155	205	Brown gray lime, gray flint
205	225	Brown gray lime, brown gray flint
225	235	Brown blue gray flint
235	240	Blue gray brown flint; Zinc shines
240	247½	" " " "
247½	250	" " " " ; trace of Zinc
250	276	Gray blue brown flint

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
October 15, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1953

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: DMEA-2485 Idm-E325
Dale Mining Co.(Lead-Zinc)
Granby, Missouri

Dear Sirs:

Enclosed herewith are the original and three copies of an Interim Report on the above referenced project. This report has been prepared by Edwin T. Perkins, Mining Engineer, DMEA, Field Team, Region VI.

You will note from Mr. Perkins' report that this project has been temporarily recessed. The Operator states that exploration work will be resumed as soon as possible.

Sincerely yours,

W. P. Williams

W. P. Williams
Executive Officer
DMEA Field Team, Region VI

WPW:jd
Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Joplin, Missouri
October 15, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1953

Memorandum

To: W. P. Williams, Executive Officer, DMEA Field Team, Region VI

From: Edwin T. Perkins, Mining Engineer, Field Team, Region VI

Subject: Inspection visit to Dale Mining Co., Granby, Newton County, Missouri, DMEA Docket No. 2485, Contract No. Idm-E325

The writer spent October 12, 1953 at the Dale Mining Company's operations near Granby, Missouri, which are under the supervision of Gerald Klepinger, Neosho, Missouri.

Amendment No. 1 to the contract provided for 12 additional holes to be drilled on the Clark tract in the E½ of the NE¼ of the NW¼, Sec.30, T. 25 N., R. 30 W., and adjoining the Patterson tract on the west.

Five of the 12 holes under the contract had been completed.

Hole No. D-1 completed at 270 feet in depth, encountered shines of zinc from 220 to 240 feet in depth.

Hole No. D-2, completed at 258 feet in depth encountered 1.65% of zinc from 247½ to 252½ feet in depth.

Hole No. D-3, completed at 264 feet in depth, encountered shines of zinc from 235 to 260 feet in depth.

Hole No. D-4, completed at 275 feet in depth encountered shines of zinc from 235 to 267½ feet in depth.

Hole No. D-5, completed at 265 feet in depth encountered 1.23 percent zinc from 235 to 252½ feet in depth.

At the completion of Hole No. D-5, September 8, 1953, drilling on the Clark tract was recessed to enable the Dale Mining Co. to drill several much needed water wells for neighboring farmers.

Mining operation on the Patterson tract was suspended September 11, 1953 and at the time of the visit all underground equipment had been brought to the surface and stored.

Under the contract 484,300 lbs. of zinc concentrate had been produced to the time the mine was closed down. Five percent of the total amount received from the sale of this ore, amounting to $858.59, has been paid to the Government.

The accompanying sketch shows the location of the five churn drill holes recently put down. The survey of the underground workings made after the close of the operation on September 11, 1953, shows the mined-out area as of September 22, 1953.

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer

Attachment
:jd

cc - Operating Committee (orig.&3)
W. P. Williams
L. T. McElvenny (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
xxxxxxxxxxxxxx
Joplin, Missouri
October 16, 1953

all
file

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: Docket No. DMEA-2485
Contract No. Idm-E325
Dale Mining Co.(Lead-Zinc)
Newton County, Missouri

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for September, 1953, on Forms MF104-104A with appropriate attachments, as required by the Washington Office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on October 7, 1953 and notice of its certification has been received today.

Very truly yours,

W. P. Williams
Executive Officer
DMEA, Region VI

:jd
Encs.

OCT 6 195

Department of the Interior
Bureau of Mines Administration
RECEIVED
OCT 10 1953

DALE MINING COMPANY

Narrative Report

Docket DMEA 2485 Hole No. 5 Zinc & Lead

Enclosed find forms MF-104 and MF-104A and the drill log on hole no. 5. Since this is a good hole it also increases the zinc reserves on our Patterson lease to the East.

Sincerely Yours;

Gerald Klepinger

DALE MINING CO.

Form MF-104A
(April 1952)

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

OCT 6 195

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 10 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 2435 Contract No. IDM- E325
Operator's Name Dale Mining Company Minerals Zinc - Lead
Address Neosho, Mo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	$636.00	265'	$10,977.60	4574	$2.40	6430	$2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$636.00	265'	$10,977.60				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$636.00	265'	$10,977.60				$15,552.00

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

Date Oct. 5, 1953 Operator Dale Mining Co.
By Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
OCT 16 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 2485 Contract No. IDM- E325
Operator's Name Dale Mining Company Minerals
Address Neosho, Mo.
Contract Amount, $ 15,552.00 Government Participation: 50 % Amount, $ 7,776.00

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 265' - 2.40	$636.00	10,341.60	$10,977.60			10/22/53 J.W.A.
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$636.00	$10,341.60	$10,977.60			

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

Date Oct 5, 1953 *Payee Dale Mining Co

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 318.00

Signature
(Authorized Certifying Officer)

Date 10/9/53 Vou. No. DMEA 6-69

(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. Jaw E-375 in accordance with the terms of the contract.

Signature Edwin T. Perkins Title Mining Engineer Date Oct. 6. 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date Oct. 7, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

DALE MINING COMPANY

Exploration Drilling Log on Clark

Location of Hole;	100' East of Hole 4		Hole No. 5
Farm Name;	Clark	Location;	East ½ of NE ¼ of NW ¼ Sec. 30; T. 25; R. 30
Lease;	Clark		
Started;	Aug. 22, 1953	Drillers;	Patterson & Miller
Finished;	Sept. 8, 1953	Water stands;	220
Contractor;	Dale Mining Co.	Depth;	265'

From	To	Description
0	26	Soil & clay
26	35	Gray lime, gray flint
35	80	Gray brown lime, gray flint
80	90	Oollite, brown lime
90	225	Gray brown lime, gray flint
225	235	Gray brown blue flint
235	240	" " " " , Zinc
240	245	" " " " , Shines of Zinc
245	252½	" " " " , Zinc
252½	255	" " " " , Gray lime, zinc traces
255	265	Gray blue brown flint, gray lime.

Analysis

		Metal	Zinc
235	240	1.35	2.25
240	245	.25	.42
245	252½	1.80	3.00

Avg. 2% Zn for 17½ ft
Considered a good hole
by operators and adds to
reserves.

SEP 3 1959

~~Att~~ Betty

DALE MINING COMPANY

NARRATIVE REPORT

Docket D. M.B.A. 2405 Zinc & Lead

Holes #3 & #4

Enclosed find forms MT-104 and MT-104A and the logs on holes 3 & 4. The location and the depth are good but missed the zinc.

Sincerely Yours;

Gerald Klepinger

DALE MINING CO.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEP 3 1953

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 1953 Docket No. DMEA 2405 Contract No. Idm-3325
Operator's Name Dole Mining Company Minerals
Address
Contract Amount, $ 15,552.00 Government Participation: 50 % Amount, $ 7,776.00

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 541' - 2.40	1298.40	9043.20	10,341.60			9/23/53 J.W.L.
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1298.40	9043.20	10,341.60	✓		

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 1, '53 *Payee Dole Mining Co
By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 649.20

Signature
(Authorized Certifying Officer)
Date 9-14-53 DMEA Vou. No. 6-67
(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-325 in accordance with the terms of the contract.

Signature Edwin T. Perkins Title Mining Engineer Date Sept. 9, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date Sept. 9, 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.

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of _____ 195__ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date Sept. 1, 1953 Operator Gale Mining Co.
By Gerald Klepinger Title Partner

REMARKS: _____

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log on Clark

Location of hole; 150' South of shaft — Hole 3

Farm Name; Clark — Location; East ½ of NE ¼ of NW ¼ Sec. 30, T. 25, R. 30

Lease; Clark

Started; May 22, 1953 — Drillers; Patterson & Miller

Finished; June 4, 1953 — Water stands; 170'

Contractor; Dale Mining Co. — Depth; 266'

From	To	Description
0	27½	Soil & clay
27½	40	Gray lime, little gray flint
40	85	Gray brown lime, gray flint
85	90	Collite, brown lime
90	210	Gray brown lime, gray flint
210	220	Gray brown flint, gray lime
220	235	Gray brown blue flint
235	237½	" " " " , trace of Zinc
237½	240	" " " " , Zinc
240	247½	" " " " , trace of Zinc
247½	257½	Gray blue brown flint, Zinc
257½	262½	" " " " ,
262½	266	Gray blue brown flint & little gray lime

Analysis

Depth		Metal	Zinc (ZnS)
237½	240	1.10	1.83
247½	257½	1.72	2.87

DALE MINING COMPANY

Exploration Drilling Log On Clark

Location of hole; 275' South of shaft — Hole 4

Farm Name; Clark — Location; East ½ of NE ¼ of NW ¼ Sec. 30, T. 25, R. 30

Lease; Clark

Started; July 29, 1953 — Drillers; Patterson & Miller

Finished; Aug. 21, 1953 — Water stands; 200'

Contractor; Dale Mining Co. — Depth; 275'

From	To	Description
0	25	Soil & clay
25	45	Gray lime, gray flint
45	80	Gray brown lime, gray flint
80	85	Oollite, brown lime
85	180	Gray brown lime, gray flint
180	185	Gray brown white lime, gray flint
185	225	Gray brown lime, gray flint
225	235	Gray blue brown flint
235	242½	" " " " , trace of Zinc
242½	260	" " " " ,
260	267½	" " " " , Zinc shines
267½	275	" " " " , Gray lime

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
September 8, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1953

Memo

To: W. P. Williams, Executive Officer, DMEA Field Team, Region VI

From: Edwin T. Perkins, Mining Engineer, Field Team, Region VI

Subject: Inspection visit to Dale Mining Co., Granby, Newton County, Missouri, DMEA Docket No. 2485, Contract No. Idm-E325

The writer spent August 20, 1953 at the Dale Mining Company's operations near Granby, Missouri, which are under the supervision of Gerald Klepinger, Neosho, Missouri.

Amendment No. I to the Contract provided for 12 additional holes to be drilled on the Clark lease in the E½ of the NE¼ of the NW¼ of sec. 30, T. 25 N., R. 30 W., and adjoining the Patterson lease on the west.

At the time of the visit churn drilling was being continued under the amended contract and Hole No. 4 had reached a depth of 260 feet. It was expected that the ore-bearing horizon would be encountered within the next 15 or 20 feet.

Hole No. 1, completed at 270 feet in depth, drilled under the amended Contract and located 40 feet south and 100 feet east from the Clark shaft, encountered only shines of zinc ore.

Hole No. 2, completed at 258 feet in depth and located 110 feet south and 20 feet east from the Clark shaft, encountered five feet of ore-bearing ground from 247½ to 252½ feet containing 1.65% zinc.

Hole No. 3, completed at a depth of 264 feet and located 120 feet south and 70 feet west from the Clark shaft, encountered shines of zinc from 235 to 260 feet.

Proposed Amendment No. II provides for a total of six holes to be drilled on the Clark lease and the remaining six of the twelve holes, provided in Amendment No. I, are to be drilled on the Patterson lease, northeast of the Patterson shaft, at locations tentatively designated, but subject to the approval of the Field Team.

Ore is being mined on the Patterson lease from the headings extending to the southeast and to the southwest of the Patterson shaft, and 100 tons per 8-hour shift are being hoisted, trucked to, and concentrated at the Dale Mill on the Dungy tract at Stark City, four miles east from the mine.

Four payments of 5% of the sale value of each of the four cars of concentrates produced during the months of March, April, May and June, totaling $538.53, have been paid to the Government.

Edwin T. Perkins

Edwin T. Perkins

:jd

CC - Operating Committee(orig.&3)
L. T. McElvenny

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

DEPARTMENT OF THE INTERIOR
Bureau Lands & Mines Administration
RECEIVED
AUG 26 1953

August 24, 1953

SEMI-ANNUAL REPORT ON CERTIFIED DMEA PROJECT

For the Period January 1, 1953--June 30, 1953

Project:

Dale Mining Company
Neosho, Missouri (Tri-state District)
Docket No. DMEA-2485-lead zinc
Contract No. Idm-E325

Inspectors:

W. P. Williams, Exec. Off., Region VI
E. T. Perkins, USBM Field Team Member, Region VI

Inspection Dates:

February 16, 1953 (E. T. Perkins)
May 31, 1953 "
June 26, 1953 (W. P. Williams)

Production:

Field inspection discloses that the above project has produced zinc ore and that royalty payments have been made to the Government during the period January 1, 1953--June 30, 1953.

The attached summary shows the amount of production and royalty payments made during the specified period.

W. P. Williams

W. P. Williams
Executive Officer, DMEA
Region VI

January 1, 1953--June 30, 1953

SUMMARY OF PRODUCTION AND ROYALTY PAYMENTS

Dale Mining Co.
Neosho, Missouri
Docket No. DMEA-2485-lead zinc
Contract No. Idm-E325

March, 1953

74,700 lb. zn conc. @$69.83/ton-----	$2,608.15	
78.4 lb. cadmium @ $1.50/lb. -----	117.60	
	$2,725.75	
Royalty payment @ 5%		$136.29

April, 1953

74,700 lb. zn conc. @ $69.83/ton---	$2,608.15	
78.4 lb. cadmium @ $1.50/lb. -----	117.60	
	$2,725.75	
Royalty payment @ 5%		$136.29

May, 1953

90,230 lb. zn conc. @ $66.74/ton---	$3,010.98	
85.7 lb. cadmium @ $1.50/lb. ------	128.55	
	$3,139.53	
Royalty payment @ 5%		$156.98

June, 1953

62,970 lb. zn conc. @ $65.92/ton---	$2,075.49	
69.3 lb. cadmium @ $1.50/lb. ------	103.95	
	$2,179.44	
Royalty payment @ 5%		$108.97

Total zinc.conc. 302,600 lb.-----	$10,302.77
Total cadmium 311.8 lb. --------	467.70
Total value of production	$10,770.47
Total royalty payment @ 5%	$538.53

OFFICE OF THE ADMINISTRATOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 26 1953

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

August 21, 1953

Memorandum

To: Operating Committee, DMEA

From: W. P. Williams, Exec. Off., Region VI

Subject: Semi-Annual Report on Certified Projects

Enclosed herewith are originals and two copies each of semi-annual reports covering the following Certified Projects in Region VI during the period January 1, 1953--June 30, 1953. The following list includes all projects that have been certified to date in Region VI.

Westmoreland Manganese Corp.
Batesville, Arkansas
Docket No. DMA-197X (2002)-Manganese
Independence County, Arkansas
Contract Idm-E8 (E139)

Shelton Mining Company Base Metals
Joplin, Missouri
Docket No. DMA-1088X - Lead zinc
Contract No. Idm-E122

Dale Mining Co.
Neosho, Missouri (Tri-state District) Base Metals
Docket No. DMEA-2485-Lead zinc
Contract No. Idm-E325

The Dale Mining Co. Contract is still in force. No Certification has been issued, but royalty payments already made to the Government by the Operator will make certification necessary upon completion of the Contract.

/s/ W. P. Williams
Executive Officer, DMEA
Region VI

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
July 6, 1953

Re: Docket No. DMEA-2485
Contract No. Idm-E325
Dale Mining Co.
Newton County, Mo.
Lead-Zinc

DEPARTMENT OF THE INTERIOR
Bureau of Mines

JUL 6 1953

Memo

To: Operating Committee

From: W. P. Williams, Field Team, Region VI

Transmitted herewith are the original and three copies of a report of an interim examination of the above referenced project. The interim inspection and the enclosed report were completed by Edwin T. Perkins, Mining Engineer, U. S. Bureau of Mines, attached to this office.

W. P. Williams

W. P. Williams
Executive Officer

WPW:jd
Encs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
July 2, 1953

Memorandum

To: W. P. Williams, Executive Officer, DMEA Field Team, Region VI

From: Edwin T. Perkins, Mining Engineer, Field Team, Region VI

Subject: Inspection visit to Dale Mining Company near Granby, Newton County, Missouri, DMEA Docket No. 2485, Contract No. Idm-E325

The writer spent June 29, 1953 at the Dale Mining Company's operation near Granby, Missouri. Gerald Klepinger, Neosho, Missouri is manager.

Churn drilling on the Clark lease, conducted under Amendment No. 1 of the original designated contract, continued with the completion of Hole No. 3, at a depth of 264 feet. Zinc shines were indicated from 235 feet to 260 feet in depth. At the completion of this hole, drilling was temporarily suspended, and the drill rig moved to the Dungy lease at Stark City, which is being operated by the Dale Mining Company, in order that an air hole could be drilled. At the completion of this air hole, the drilling will be resumed on the Clark lease.

Drill Holes No. 1 and 2 were to partly serve as check drilling of some holes put down at an earlier period. Hole No. 1 proved to be blank. Hole No. 2 indicated 1.65 percent zinc from 247½ to 252½ feet in depth. This drilling is also expected to indicate an extension of the ore body indicated on the Patterson lease.

While no mining operations have been started on the Clark lease, the shaft has been concreted from the surface down to solid rock. A drill hole located near the shaft has been enlarged and cased, to afford pumping and ventilating facilities, the better to permit the rehabilitation of the shaft, which may need some additional sinking, as well as cleaning out.

Drilling on the Patterson lease indicated 300,500 tons of recoverable ore reserves, from which it is expected that 11,004 tons of 60 percent zinc concentrate may be recovered, along with a small amount of lead concentrate. Mining from the Patterson lease is currently producing 500 tons of ore per 16 hour shift. This ore is being hauled to and concentrated at the Company's modern, Joplin-type mill at Stark City,

11

four miles to the east. A part of this production has come from the area covered by the drilling done under this original project on the Patterson lease. To date, three payments totaling $429.56 have been received at the Field Team office to apply on repayment of the Government's half, which was expended on the $7,776.00 part of the project.

The Patterson mine operations are entirely mechanized and are at the 260-foot level. The headings are being extended to the southwest of the shaft and to the east of the blower hole. The milling indicates about a 3 percent recovery.

The Dale Mining Company is doing good work and has been going ahead inspite of the low price of concentrate, which is on a basis of $65.00 for 60 percent zinc concentrate or 11 cents metal East St. Louis market.

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer

:jd
Attachment

cc: Operating Committee(orig. & 3)
L. T. McElvenny (1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Joplin, Missouri
June 11, 1953

~~Dale~~
~~Giessner~~
Betty

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: Docket No. DMEA-2485
Dale Mining Co.
Neosho, Mo.
Zinc-Lead
Contract Idm-E325

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for May, 1953 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on June 4, 1953 and notice of its certification has been received today.

Very truly yours,

W. P. Williams
Executive Officer
DMEA Field Team, Region VI

:jd
Encs.

JUN 3 1958

Wash.

[illegible] Co.

[illegible]

[illegible] • [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Gerold Klepinger

[illegible] Co.

Form ME 704 (Rev.)
(Apr. 1952)

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

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

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation [illegible] % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: 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:		$7776.00	$9043.20	WW		
Drilling	[illegible]	[illegible]	[illegible]			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
		$7776.00	$9043.20	WW		
TOTALS	[illegible]	[illegible]	[illegible]			

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

Date June 1, 53 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$633.60

Signature _____
(Authorized Certifying Officer)

Date 6/9/53 Vou. No. DMEA 6-63

(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-325 in accordance with the terms of the contract.

Signature Edwin T. Perkins Title Mining Engineer Date June 4, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date June 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1950)

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 [illegible] Contract No. [illegible]
Operator's Name Dale Mining Co.
Address [illegible] Minerals [illegible]

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core				$9043.20	3768.0	WPW		
Churn	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.40	[illegible]	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		[illegible]	[illegible]	[illegible]	WPW			Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
				$9043.20	WPW			
Total Costs		[illegible]	[illegible]	[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 June 1, 53 Operator Dale Mining Co.
Gerald Klepinger Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log on CLARK

Location of Hole; 100' South East of Clark shaft. Hole 1

Farm Name; Clark Location; East ½ of NE ¼ of NW ¼ Sec. 30, T. 25, R. 30

Lease; Clark

Contractor; Dale Mining Co. Drillers; Patterson & Miller

Started; April 21, 1953 Water stands 150'

Finished; May 5, 1953 Depth; 270'

From	To	Description
0	27	Soil, clay & boulders
27	40	Gray lime, little gray flint
40	80	Gray brown lime, gray flint
80	90	Oolite, brown lime
90	200	Gray brown lime, gray flint
200	220	Gray blue brown flint, brown lime
220	240	Gray blue brown flint, trace of Zinc
240	260	Gray blue brown flint
260	270	Gray blue flint, gray lime.

DALE MINING COMPANY

Exploration Drilling Log on Clark

Location of Hole; 150' South of Clark shaft
100' Southeast of Hole No. 1 — Hole 2

Farm Name; Clark — Location; Sect 4 of TR 4 of RN 8 Geo. 30, R. 25, R. 30

Lease; Clark

Contractor; Dale Mining Co. — Driller; Patterson & Miller

Started; May 6, 1953 — Water stands 150'

Finished; May 22, 1953 — Depth; 250'

From	To	Description
0	26	Soil and clay
26	50	Grey yellow lime, grey chert
50	85	Grey brown lime, grey chert
85	90	Oil lime, brown lime
90	100	Grey brown lime, grey chert
100	225	Grey brown chert, grey brown lime
225	230	" " " , brown lime
230	235	Blue brown grey chert, blue shales
235	247	Blue brown grey chert
247	252	" " " " , Salt line
252	255	" " " " , blue shales
255	250	Grey blue brown chert, grey lime

Anhydrite		Total	Lime
247	252	2.63	2.75

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
March 31, 1953

Re: Docket No.DMEA 2485
Zinc-Lead
Dale Mining Co.
Neosho, Missouri
Contract Idm-E325

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR 2 1953

Memo

To: Operating Committee

From: W. P. Williams, Executive Officer, Field Team, Region VI

I am sending you herewith the original and three copies of an Interim Report of a Field Team inspection on the subject project. The Field Team inspection and report were made by Edwin T. Perkins, Mining Engineer, U. S. Bureau of Mines.

On March 5, 1953 you sent to us the original and five copies of Amendment #1 to the subject contract. On that same date you advised us that before the amendment could be executed it would be necessary for the operator to obtain the Owner's Consent to Lien on the Clark Lease. On March 9, 1953 we wrote to the operator, Mr. G. E. Klepinger, Dale Mining Co., informing him that before the amendment could be executed he should obtain the required Owner's Consent to Lien.

We have had no communication from the operator since that time, but we are under the impression that he is attempting to obtain the required Owner's Consent to Lien.

W. P. Williams

W. P. Williams
Executive Officer

WPW:jd
Encs.

Orig & 1 - Operating Committee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR 2 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
March 25, 1953

Memorandum

To: W. P. Williams

From: Edwin T. Perkins

Subject: Dale Mining Company, DMEA Docket No. 2485, Contract Idm-E325
Zinc and Lead
Field Team inspection made February 16, 1953

Summary and Conclusion

The Dale Mining Company, G. E. Klepinger, Manager, Neosho, Newton County, Missouri, operating the Patterson Lease in the NW$\frac{1}{4}$, NE$\frac{1}{4}$ Sec. 30, T. 25 N., R. 30 W., three miles south and 3/4 miles east of Granby, Newton County, Missouri, under the above-captioned exploration project contract, endeavored to extend the limits of an area which had been explored by several churn-drill holes and within which mining and production of zinc-lead ore had been in progress.

The 50/50 subject project contract with the Dale Mining Company dated June 22, 1952, called for churn drilling of 12 holes at an overall cost not to exceed $7776.00, one-half of which, or $3888.00 was to be paid by the Government. These 12 holes were completed March 2, 1953 with a total of 3316$\frac{1}{2}$ feet of drilling and at a total cost of $7959.60, which exceeded the amount of the contract. However, the proposed Amendment #1 increases the amount of the contract to $15,552.00 and extends the time, which addition of $7776.00 is to cover the cost of the same number of holes to be drilled on the Clark Lease which adjoins the Patterson Lease on the west.

The drilling under the subject exploration project contract on the Patterson tract indicates an ore reserve of 300,500 rock tons from which 11,004 tons of 60 percent zinc concentrate may be recoverable. The drilling indicates that there will be a recovery of a small amount of lead concentrate also.

DALE MINING COMPANY
Results of Drilling
DMEA Docket No. 2485
Contract Idm-E325

Hole No.	Elev.	Depth in Feet Total	From	To	Percent Zinc	Lead
1	-	270	-	-	-	-
2	-	288	237½	242½	.37	-
			242½	245	13.00	-
			245	247½	10.60	-
			247½	260	0.70	-
3	1216	270	230	245	Shines	-
			245	247½	2.97	-
			247½	250	Shines	-
			250	252½	Shines	-
			252½	255	12.57	-
			255	260	Trace	-
4	-	280	240	245	2.40	Shines
			245	252½	1.15	-
5	1211	272½	247½	250	1.83	-
			260	262½	Shines	Shines
6	1215	292	240	242½	Trace	-
			262½	265	Trace	-
			265	267½	1.40	-
			267½	270	2.64	-
			270	272½	.38	-
7	-	260	232½	242½	Trace	-
			242½	245	2.60	-
			245	247½	5.20	-
8	-	267½	235	237½	Shine	-
			245	250	Trace	-
			250	255	2.85	-
			255	257½	2.10	-
			257½	260	Shines	-
9	-	265	252½	255	Trace	-
			260	262½	Trace	-
10	-	272½	235	237½	Trace	-
			245	252½	Trace	-
11	-	309	242½	247½	1.26	-
			247½	260	1.80	-
			260	262½	Shines	-
			262½	277½	.85	-
			277½	287	.85	-
			287	300	.45	-
12	1213	270	235	250	Trace	-
			250	252½	5.31	-
			252½	255	1.80	-
			255	257½	Trace	-

DALE MINING COMPANY
Indicated Ore Reserves

DMEA Docket No. 2485
Contract Idm-E325

Area Drill Hole	Sq. Feet	From	To	Thick-ness	Rock Tons	Zinc Percent	Zinc Tons
4	48,500	240	252½	12.5	48,500	2.97	1,440.45
11	25,000	242½	260	17.5	35,000	1.65	577.50
7	84,000	242½	247½	5.0	33,600	2.90	974.40
5	103,500	247½	250	2.5	20,700	1.83	378.81
8	84,500	250	257½	7.5	50,700	2.60	1,318.20
2	42,500	242½	260	17.5	59,500	3.90	2,320.50
12	49,500	250	255	5.0	19,800	2.55	504.90
3	50,000	245	255	10.0	40,000	2.58	1,032.00
6	43,500	265	272½	7.5	26,100	2.45	639.45
			Total		333,900		9,186.21
			Less 10% for pillars		33,400		919.21
			Available Rock Tons		300,500		8,267.00

8,267 ÷ .6 = 13,780 tons available 60% zinc concentrate
13,780 x .8 = 11,004 tons recoverable 60% zinc concentrate

Work completed

The average leased by the Dale Mining Company consists of 160 acres in the NE$\frac{1}{4}$, Sec. 30, T. 25 N., R. 30 W. The operations, however, have been confined to the 40 acres in the NW$\frac{1}{4}$, NE$\frac{1}{4}$ of Sec. 30. Several churn-drill holes, put down as early as 1910, showed zinc-lead are in a sheet ground formation ranging from 240 to 280 feet in depth. A shaft was sunk and some zinc-lead ore was produced from several short drifts. Operations were discontinued during the period of depression.

April 12, 1952 the ground was leased by Dennis Patterson, the owner, to the Dale Mining Company, the shaft cleaned out and repaired, mining was begun, and ore produced which was cleaned over the concentrating plant of the Dale Mining Company at Stark City, 4 miles to the east.

There are no figures available of the amount of this production, but it is estimated that 65,500 rock tons have been mined yielding an estimated 2,000 tons of 60 percent zinc concentrate and 200 tons of lead concentrate.

The limits of this latest development and production were established and the above designated exploration project contract drawn up to extend the limits of the ore deposit. Sphalerite and galena occur with some calcite in sheet ground of chert and dolomite of the Reeds Spring formation. The present ore headings are from 10 to 12 feet in thickness and a high grade of zinc concentrate and a good grade of lead concentrate are made.

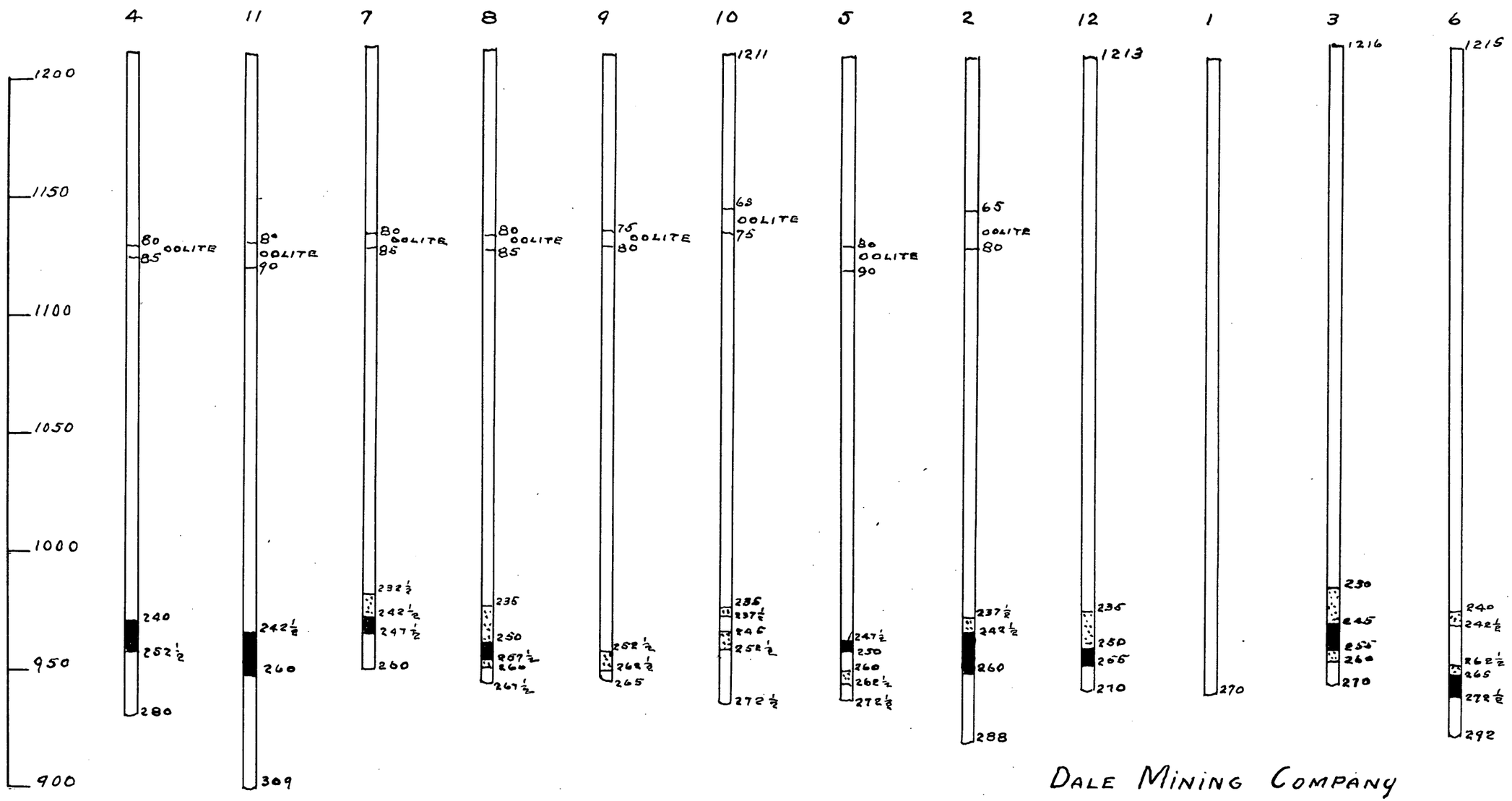
Recommendations

The drilling under this exploration project contract indicates an extension of the ore body to the northwest toward the east line of the Clark tract, with an average thickness of 10 feet and it is estimated that there are 300,500 tons of indicated recoverable ore reserves from which 11,004 tons of 60 percent zinc concentrate may be recoverable along with a small amount of lead concentrate. The results of this drilling which brings the indicated ore deposit toward the Clark land, warrants the extension of the exploration project to include additional drilling on that tract, as set out in Amendment No. 1.

Edwin T. Perkins

Edwin T. Perkins

:jd
cc - Operating Committee (orig.&3)
cc - L. T. McElvenny



DALE MINING COMPANY

NW¼ NE¼ SEC. 30, T. 25 N., R. 30 W.

NEWTON COUNTY, MO.

DMEA DOCKET NO 2485

CONTRACT Idm.E-325

3-20-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
April 3, 1953

Betty

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-2485
Zinc-Lead
Dale Mining Co.
Neosho, Mo.
Contract No. Idm-E325

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for February, 1953 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on March 18, 1953 and notice of its certification has been received today.

Very truly yours,

W. P. Williams

W. P. Williams
Executive Officer
Field Team, Region VI

/jd
Encs.

MAR 1 9 1953

DALE MINING CO.

(PLANT, STARK CITY, MO.)

811 KENTLAND DRIVE

P. O., NEOSHO, MO.

G. E. KLEPINGER
J. A. WORLEY
D. P. KLEPINGER

CEMENT PRODUCTS
CHAT, SAND,
LEAD, ZINC.

FINAL REPORT

DMA Docket No. 2485 Zinc & Lead

Contract No. I - 325

Dale Mining Company; Neosho, Missouri

Location of Property- All NE; Sec. 30 T. 25 R. 30

DEPARTMENT OF THE INTERIOR
Bureau Mines Exploration
RECEIVED
APR 6 1953

We have completed the last 2 holes of this 12 hole diamond drilling contract. Since hole #11 and #4 are both good holes it gives us a good indication of that to right and on the West lease to the West.

We started our first hole 7-15-52 and completed the last hole 3-2-53.

This ore body that we have drilled out seems to be in about the same rock and about the same level so that we are now mining. We attached that for ore reserve.

The total cost of the project was $959.00 of which the Government share was $500.00. During the month of March 1953, we will be mining 20% of this drilled ore reserve. Therefore, we will start paying 5% of the gross ore sales that is mined in this ore reserve.

I wish to thank all who have helped us on this drilling contract and especially those in the Joplin office.

Sincerely Yours;

Gerald Klepinger

Dale Mining Co.

ESTIMATE OF ORE RESERVES

Hole No.	Collar Elev.	Total Depth	Ore Bed	Ore Face	60% Zn. Conct.	Assay feet ZnS
12	1213'	270'	250' - 255'	7½	2.37	17.77
3	1216'	270'	245' - 255'	10	4.38	43.80
6	1215'	292'	265' - 272'	7½	2.45	18.38
1		270'	None			
2		288	242½' - 250'	7½	13.52	101.40
5	1211'	272½	247½' - 255'	7½	1.17	8.77
8		267½	250' - 257½	7½	4.33	32.48
7		260'	242½ - 250'	7½	3.22	24.15
9		265'	None			
10		272½	None			
11		309'	242½ - 260'	17½	2.85	49.87
4		280'	240' - 252½'	12½	2.73	34.13
9 Totals				85		330.75

	Average Zinc	3.89
Est.	" Lead	.11
		4.00

Area of ore reserves -- 542,000 Sq. feet
Rock tons 398,240
Less 10% for pillars 38,240

Mineable tons of rock 360,000

Use 3% as recoverable Zinc and lead makes 10,800 tons of ore

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Wash. Copy

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1953 Docket No. DMEA 2485 Contract No. E - 325
Operator's Name Dale Mining Company Minerals IDM
Address 811 Rentland Dr., Neosho, Mo. Zinc & Lead
Contract Amount, $ 7776.00 Government Participation: 50 % Amount, $ 3888.00

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:	1,230.00	C.C.K.	7,776.00	C.C.K.		
Drilling ~~589~~ 512½ - 2.40	~~1413.60~~ 1430	6546.00	~~7959.60~~			
~~Bulldozing~~ 76½' in excess of contract authorization				C.C.K.		
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	~~1413.60~~ 1230.00	6546.00 C.C.K.	~~7959.60~~ 7776.00	C.C.K.		

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

Date May 4, 1953 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 615.00

Signature
(Authorized Certifying Officer)

Date 3-30-53 Vou. No. DMEA 6-59

(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 325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Mar. 16, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Williams Title Exec. Off. Date March 16, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2435 Contract No. E - 325
Operator's Name Dale Mining Company Minerals Pb
Address 611 Rentland Dr., Neosho, Mo. Zinc & Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core Foot		1413.60	589'	7959.60	3316'	2.40	3240	2.40
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1413.60	589'	7959.60				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1413.60	589'	7959.60				7776.00

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 Mar. 4, 1953 Operator Dale Mining Co.
Per Gerald Klepinger Title Partner

REMARKS: Drilled this last hole 76' deeper than the contract calls for, therefore, $183.60 should be deducted before 50% Government participation. This leaves $1230.00

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log

Hole No. 4

Location of Hole;	See attached map	Location;	NE¼ Sec. 30 T. 25 R. 30
Farm Name;	Patterson		
Lease;	Patterson	Drillers;	Patterson & Miller
Contractor;	Dale Mining Co.	Churn drilling	
Started;	Feb. 14, 1953	Finished;	Mar. 2, 1953
Water stands 200'		Depth;	230'

From	To	Formation
0	26½	Soil & clay
26½	35	Gray yellow lime, little gray flint
35	60	Gray brown lime, gray flint
60	65	Oolite, gray lime
65	100	Gray brown lime, gray flint
100	210	Brown gray lime, gray flint
210	225	Gray brown flint, gray lime
225	230	" " "
230	235	Gray brown blue flint, trace Zn.
235	237½	Gray brown blue flint
237½	240	" " " " , trace Zn.
240	252½	Gray blue brown flint, spar, Zn. & Lead
252½	265	Gray blue brown flint
265	230	" " " " , little gray lime

Analysis

		Zn Total	60% Zinc Concr. CCA
240	245	2.40	4.00
245	252½	1.15	1.92

DALE MINING COMPANY

Exploration Drilling Log

Hole No. # 11

Location of hole; See attached map

Farm name; Patterson — Location; NE¼ Sec. 30 T. 25N R. 30

Lease; Patterson

Drillers; Patterson & Miller

Contractor; Dale Mining Co.

Started; Jan. 29, 1953 — Finished; ~~Jan~~ Feb. 13, 1953

Water stands at 250' — Depth; 309'

Churn Drilling

From	To	Formation
0	26	Soil & clay
26	30	Gray yellow lime, gray flint
30	60	Gray brown lime, gray flint
60	90	Oolite, brown lime
90	195	Gray brown lime, gray flint
195	210	Brown gray lime, gray flint
210	225	Brown gray lime, brown gray flint
225	235	Gray-~~brown~~ brown blue flint
235	240	" " " " , trace zn.
240	242	Brown gray blue flint
242	247½	" " " " , fair zn.
247½	260	Light blue brown gray flint, spar & zn.
260	262½	" " " " " , slimes
262½	277½	Light & dark blue gray brown flint, fair zn.
277½	287	Blue brown gray flint, fair zn.
287	300	Blue brown gray flint, trace zn.
300	309	Blue brown gray flint.

Analysis

From	To	Zn Total	60% Zinc Concr
242½	247½	1.20	2.10
247½	260	1.30	3.00
260	262½	Slimes	
262½	277½	.05	1.41
277½	287	.85	1.41
287	300	.45	.75

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Joplin, Missouri
February 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

Memo:

To: Operating Committee, DMEA

From: W. P. Williams, Executive Officer, DMEA Field Team, Region VI

Subject: Interim report - DMEA Docket No. ~~2299~~ 2485, Contract No. Idm-E~~280~~ 325, Dale Mining Company, Lead-Zinc

Transmitted herewith is an interim report prepared by E. T. Perkins, Mining Engineer of Field Team, Region VI, covering the above referenced DMEA project.

The last churn drill hole in this project is now being drilled and the Field Team's Final Report will be forthcoming as soon as this hole is finished.

I should like to point out that the last two holes drilled by the operator on this project showed good ore. The operator has a new DMEA application for exploration assistance on the tract adjoining the present project. His application does not show results determined in the last two holes. The Operating Committee may wish to consider the results of these holes because I believe they lend a more favorable aspect to the new application.

W. P. Williams

W. P. Williams

WPW/jd
Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

~~WASHINGTON 25, D.C.~~
Joplin, Missouri
February 24, 1953

Memo

To: W. P. Williams, Executive Officer, DMEA Field Team, Region VI

From: Edwin T. Perkins, Mining Engineer, Field Team, Region VI

Subject: Inspection visit to Dale Mining Company, Granby, Newton County, Missouri. DMEA Docket No. ~~2299~~ 2485, Contract No. Idm-E~~280~~ 325

The writer spent February 16, 1953 at the Dale Mining Company's operations near Granby, Missouri, which are under the supervision of Gerald Klepinger, Neosho, Missouri.

Churn drilling is being continued under the above designated contract. Hole No. 11 was completed at a depth of 270 feet with zinc and some lead ore indicated from 250 to 260 feet. Hole No. 12 had reached a depth of 20 feet and with the completion of this hole, the project work will be finished. These two drill holes are northwest from the other holes drilled under this contract and are within 40 feet of the west property line.

The operator will furnish a completed map, drill records and a final report containing estimates of ore reserves.

Ore is being mined at approximately the 260 foot level from the east and south headings which are approaching the limit of the area excluded from this project operation.

The shaft is in excellent condition. The underground operations are entirely mechanized, using jumbo-drilling machines, both slusher and high-lift loaders, and Diesel-truck hauling to the hopper at the shaft. From the surface hopper, the ore is hauled four miles east to the company's mill at Stark City. The mill is the conventional type with jigs, tables and float machines.

A high grade concentrate is produced containing some cadmium for which they are paid, as well as for the zinc content. The concentration is about 25:1 which is a little higher ratio than one would expect from the results showing in the drilling records.

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer

/jd
Enc.
cc - Orig. & 1 - Operating Committee
1 - L. T. McElvenny

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

Joplin, Missouri
February 16, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 18 1953

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-2485
Contract No. Idm-E325
Dale Mining Co.
Lead-Zinc

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for January, 1953 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on February 9, 1953 and notice of its certification has been received today.

Very truly yours,

W. P. Williams
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

FEB 2 1953

DALE MINING CO.

(PLANT, STARK CITY, MO.)

811 KENTLAND DRIVE

P. O., NEOSHO, MO.

G. E. KLEPINGER
J. A. WORLEY
D. P. KLEPINGER

CEMENT PRODUCTS
CHAT, SAND,
LEAD, ZINC.

[illegible]

[illegible]

[illegible]

[illegible]

Sincerely Yours

Gerald Klepinger

Dale Mining Co.

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

FEB 2 1953
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

Budget Bureau No. 60-R1036.3.
Approval expires 6-30-53.

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

FEB 18 1953

Month of January, 1953 Docket No. DMEA 2405 Contract No. E - 325
Operator's Name Dale Mining Company Minerals
Address 811 Kentland Dr., Neosho, Mo.
Contract Amount, $ 7776.00 Government Participation: 50% Amount, $ 3888.00

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:						O.K. J.W.A. 3/11/53
Drilling 537½' - 2.40	1290.00	5256.00	6546.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1290.00	5256.00	6546.00			

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

Date Feb. 2, '53 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 645.00

Signature
(Authorized Certifying Officer)

Date 2-12-53 Vou. No. DMEA 6-55

(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 325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Feb. 2, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature William P. Williams Title Acting Exec. Off. Date Feb. 9, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 18 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 2465 Contract No. E - 325
Operator's Name Dole Mining Company Minerals IDM
Address 611 Kentland Dr., Hoosic, Mo. Zinc - Lead

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					2727½	C.C.K.		
Drilling: Core	Foot	1290.00	537½	6546.00	~~2726½~~	2.40	3240	2.40
Churn								
Auger							5125	
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1290.00	537½	6546.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1290.00	537½	6546.00				7776.00

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

Date Feb. 2, '53 Operator Dole Mining Co.
Per Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log

Location of hole; 282' South of Hole #8
252' West of Hole # 2

Hole # 9

Churn drilling

Farm Name;	Patterson	Location;	NE¼ Sec. 30 T. 27N R. 31W
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Dec. 17, 1952	Finished;	Jan. 11, 1953
No Water		Depth;	265'

From	To	Description of Formation
o	26	Soil & clay
26	35	Gray yellow lime little gray flint
35	75	Gray lime gray flint
75	80	Oollite brown lime
80	190	Gray brown lime gray flint
190	220	Brown gray lime gray flint
220	240	Gray blue brown flint gray lime
240	252½	Gray blue brown flint
252½	255	" " " " trace zinc
255	260	Gray blue brown little black flint
260	262½	" " " " " " trace zinc
262½	265	Gray blue brown black flint

DALE MINING COMPANY

Exploration Drilling Log

Hole # 10

Location of hole; 267' Southwest of Hole 2
138' East of South of Hole 9

Farm Name; Patterson

Location; NE¼ Sec. 30
T. 27N R. 31W

Lease; Patterson

Drillers; Patterson & Miller

Contractor; Dale Mining Co.

Started; Jan. 12, 1953

Finished; Jan. 28, 1953

Water stands at 250'

Depth 272½'

Churn drilling

From	To	Description of Formation
0	24	Soil & clay
24	30	Gray lime little gray flint
30	65	Gray brown lime gray blue flint
65	75	Oollite brown lime
75	150	Gray brown lime gray flint
150	200	Brown gray lime gray flint
200	220	Gray brown flint gray brown lime
220	235	Gray brown flint
235	237½	Gray brown flint, trace zinc
237½	245	Gray blue brown flint
245	252½	" " " " , some spar, trace zinc
252½	265	Gray blue brown flint
265	267½	" " " " , gray lime
267½	272½	Gray blue brown water flint

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
January 16, 1953

Betty

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 19 1953

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No.DMEA-2485
Contract No. Idm-E325
Dale Mining Co.(Lead-Zinc)

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for December, 1952 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo on January 12, 1953 and notice of its certification has been received today.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Mining Engineer

/jd
Encs.

JAN 12 1953

DALE MINING CO.

(PLANT, STARK CITY, MO.)

811 KENTLAND DRIVE

P. O., NEOSHO, MO.

G. E. KLEPINGER
J. A. WORLEY
D. P. KLEPINGER

CEMENT PRODUCTS
CHAT, SAND,
LEAD, ZINC.

NARRATIVE REPORT

Docket D.M.E.A. - 2485 Zinc & Lead

Hole # 7, Hole # 8

Enclosed find forms MF-104 and MF-104A and the logs on these 2 holes that were drilldd in December, 1952.

These two holes continue to show a considerable ore body to the West of our present mining operations. The location of these holes are on the enclosed logs.

Sincerely Yours;

Gerald Klepinger

Dale Mining Co.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Wash.
JAN 20 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December 195 2 Docket No. DMEA 2485 Contract No. E- 325
Operator's Name Dale Mining Company Minerals
Address 811 Kentland Dr., Neosho, Mo.
Contract Amount, $ 7776.00 Government Participation: 50 % Amount, $ 3888.00

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 527½ - 2.40	1266.00	3990.00	5256.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1266.00	3990.00	5256.00			

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

Date Jan. 2, 1953 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 633.00

Signature
(Authorized Certifying Officer)

Date Vou. No. DMEA 6-52

(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. Jdm-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Jan. 12, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Exec. Off. Date Jan. 12, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 2 Docket No. DMEA 2485 Contract No. E- 325

Operator's Name Dale Mining Company Minerals IDM

Address 811 Kentland Dr., Neosho, Mo. Zinc- Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	$1266.00	527½	$5256.00	~~2189~~ 2,190	2.40 CCK	3240	2.40
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1266.00	527½	5256.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1266.00	527½	5256.00				7776.00

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

Date Jan. 2, 1953 Operator Dale Mining Co.

Per Gerald K Kepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log

Location of hole; 564' North West of hole # 2
485' West of hole # 5
460' West of air shaft

Hole; 7

Churn drilling

Farm Name; Patterson

Location; NE¼ Sec. 30 T.27N R. 31W

Lease; Patterson

Contractor; Dale Mining Co.

Drillers; Patterson & Miller

Started; Nov. 15, 1952

Finished; Dec. 2, 1952

Water stands 200'

Depth; 260'

From	To	Description of Formation
0	28	Soil & clay
28	40	Gray yellow lime, gray flint
40	45	Gray lime, gray blue flint
45	80	Gray brown lime, gray flint
80	85	oolite, brown flint
85	150	Gray brown lime, gray flint
150	205	Brown gray lime, gray flint
205	225	Brown gray flint, little gray lime
225	232½	Gray blue brown flint
232½	242½	" " " " , trace of Zinc
242½	245	Gray blue brown flint, Zinc
245	247½	" " " " Zinc
247½	255	Gray blue brown a little white flint
255	260	" " " " " " , gray lime

		Analysis Metal	Analysis Zinc
242½	245	2.60	~~4.33~~ C.C.K.
245	247½	3.20	~~5.33~~
	5'	2.90 % Zn	(60% zinc)

DALE MINING COMPANY

Exploration Drilling Log

Location of hole; 282' South East of hole No. 7
282' North West of Hole No. 2

Hole; # 8

Churn drilling

Farm Name;	Patterson	Location;	NE¼ Sec. 30 T. 27N R. 31W
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Dec. 3, 1952	Finished;	Dec. 16, 1952
Water stands 210'		Depth;	267½'

From	To	Description of Formation
0	28	Soil & clay
28	32½	Clay & boulders
32½	40	Gray yel ow lime, gray flint
40	80	Gray brown lime, gray flint
80	85	Oolite, gray lime
85	135	Gray brown lime, gray flint
135	210	Brown gray lime, gray flint
210	225	Gray brown lime, gray blue flint
225	235	Gray brown blue flint
235 ~~237½~~	237½	" " " " Zinc shines
237½	245	Gray brown & blue flint
245	250	" " " " trace of zinc, little spar
250	255	Gray brown blue flint, Zinc
255	257½	" " " " "
257½	260	Gray brown blue flint, shines of zinc
260	265	Gray blue flint
265	267½	Gray blue flint, gray lime

Analysis

		Metal	Zinc
250	255	2.85	~~4.75~~ c.ck.
255	257½	2.10	~~3.50~~
7½'		2.60%	(60% ZN (ZNC.)

DUPLICATE

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

JOPLIN, MISSOURI, dec - 18 - 192

Hole #8

SAMPLE MARK	Metal	RESULTS IN PER CENT					
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
250' - 255'	2.85	4.75	7 of fed.	60 %	good		
255' - 257½	2.10	3.50	"	"	"	"	

C V Millar Chemist

To Dale Mnf Co

Fee $

DUPLICATE

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

Hole 7

JOPLIN, MISSOURI. Dec. 4 1952

SAMPLE MARK	RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
242½' - 245'	Metal 2.60	= 4.33%	Jack 60% grade				
245' - 247½'	3.20	= 5.33 "	"	"	"	"	

C V Millar Chemist

To Dale Myers

Fee $

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D. C.~~
Joplin, Missouri
December 11, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-2485
Contract No. Idm-E35
Dale Mining Co.

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for November, 1952 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on December 3, 1952 and notice of its certification has been received today.

Sincerely yours,

David Gallagher

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

DEC 1 1952

DALE MINING CO.

(PLANT, STARK CITY, MO.)
811 KENTLAND DRIVE
P. O., NEOSHO, MO.

G. E. KLEPINGER
J. A. WORLEY
D. P. KLEPINGER

CEMENT PRODUCTS
CHAT, SAND,
LEAD, ZINC.

NARRATIVE REPORT

Docket D.M. E. A. - 2485 Zinc & Lead

Hole # 5

Hole No.5 was completed on the project which corresponds with hole no. 5 on the attached map to the contract.

The formation is about the same as in the other holes drilled but not as good a showing of zinc. On the log we show zinc and lead shines from 260 to 262½ but did not think worth running a analysis.

Sincerely Yours;

Gerald Klepinger

DALE MINING CO.

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

DEC 1 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2485 Contract No. E-325

Operator's Name Dale Mining Company Minerals

Address 811 Kentland Drive, Neosho, Mo.

Contract Amount, $ 7776.00 Government Participation: 50 % Amount, $ 3888.00

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 272½ - 2.40	654.00	3336.00	3990.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	654.00	3336.00	3990.00			

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

Date Dec. 1 '52 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 321 00

Signature
(Authorized Certifying Officer)

Date Vou. No. DMEA 6-50

(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. dmc-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Dec. 3, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Exec. Off. Date Dec. 3, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 2 1952 Docket No. DMEA 2485 Contract No. E-325

Operator's Name Dale Mining Company Minerals Idm

Address 811 Kentland Drive, Neosho, Mo. Zinc-Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	654.00	272½	3990.00	1662½	2.40	3240	2.40
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		654.00	272½	3990.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		654.00	272½	3990.00				7776.00

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

Date Dec. 1 '52 Operator Dale Mining Co.

Per Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log

Hole; 5

Churn drilling

Farm Name;	Patterson	Location;	NE¼ NW¼ Sec.30 T.27N R.31W
Lease;	Patterson		
Contractor;	Dale Mining Co.	Drillers;	Patterson & Miller
Started;	Oct. 31, 1952	Finished;	Nov. 14, 1952
Water;	170'	Depth;	272½'

From	To	Description of Formation
0	28	Soil, clay and boulders
28	33	Sliding boulders
33	40	Gray yellow lime and gray flint
40	80	Gray lime and gray flint
80	90	Oollite and gray lime
90	130	Gray lime and gray flint
130	175	Gray white lime and gray flint
175	215	Gray brown lime and gray flint
215	230	Gray brown lime and gray blue flint
230	247½	Gray blue brown flint, some spar
247½	250	" " " " " " , Zinc
250	260	Gray blue brown flint, some spar
260	262½	" " " " " " Zinc and Lead shines
262½	272½	Gray blue brown flint

Analysis	Metal
247½ 250	1.83

TELEPHONE 532

CERTIFICATE OF ANALYSIS

The MILLAR CHEMICAL LABORATORY

C. V. MILLAR, UNIVERSITY OF ILLINOIS, B. S. '93, M. S. '94

617½ JOPLIN STREET

JOPLIN, MISSOURI. Nov. 27 1952

SAMPLE MARK	Metal RESULTS IN PER CENT						
	ZINC	IRON	MOISTURE	LEAD	LIME	SULPHUR	CADMIUM
Drilling Hole 5. 242½ – 250	1.83	3.05	Jach	60%	Scale		

C. V. Millar Chemist

To Hale Mgr. Co.

Fee $

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Joplin, Missouri
December 3, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

DEC 5 1952

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-2485
Contract No. Idm-E325
Dale Mining Co.

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for October, 1952 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on November 28, 1952 and notice of its certification has been received today.

Sincerely yours,

David Gallagher

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

NOV 10 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEC 5 1952

Month of October, 1952 Docket No. DMEA 2405 Contract No.
Operator's Name Dale Mining Company Minerals
Address 311 Kentland Drive, Moosic, Pa.
Contract Amount, $ 7770.00 Government Participation: 50 % Amount, $ 3885.00

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 552-2.40	1339.20	1996.80	3336.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1339.20	1996.80	3336.00			

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

Date Nov. 7, 52 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 669.60

Signature
(Authorized Certifying Officer)

Date Vou. No. DMEA 6-49

(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 E325 in accordance with the terms of the contract.

Signature Clinton C. Kirby Title Mining Engineer Date Nov. 21, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Exec. Off. Date Nov. 28, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
[illegible]

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEC 5 1952

Month of October 1952 Docket No. DMEA 2485 Contract No. E-325
Operator's Name Dale Mining Company Minerals IDM
Address 811 Kentland Drive, Neosho, Mo. Zinc-Lead

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	1339.20	558	3336.00	1390	2.40	3240	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1339.20	558	3336.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1339.20	558	3336.00				7776.00

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

Date Nov 7, 52 Operator Dale Mining Co.
Per Gerald Klepinger Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

MINE VALUATIONS
MINE AND LAND SURVEYS
DRAFTING

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-631 OKLAHOMA NO. 448
MEMBER A. I. M. & M. E.

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DISTRICT MAPS

WILLIAM M. STEWART ENGINEERING CO.
MINING AND CIVIL ENGINEERS
40 YEARS EXPERIENCE IN TRI-STATE DISTRICT
216 WEST THIRD STREET
PHONE 11
JOPLIN, MISSOURI

November 5,1952

Log

Hole # 1 - Depth 270 '

Dale Mining Company

Dennis Patterson Lease

Location: See attached map to contract.

NW¼ of NE¼ Sec. 30, Twp. 25N, R 30W, Newton County, Missouri

Started 10/24/52

Finished 10/30/52

Struck water at 255'
Water Depth 255'

From	To	Formation
0	27	Soil & Clay
27	30	Brown Lime
30	80	Brown & Gray Lime- Brown & Grey Flint
80	200	Brown & Gray Lime- Gray Flint
200	270	Blue & Gray Flint- Gray Lime

MINE VALUATIONS
MINE AND LAND SURVEYS
DRAFTING

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-831 OKLAHOMA NO. 448
MEMBER A. I. M. & M. E.

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DISTRICT MAPS

WILLIAM M. STEWART ENGINEERING CO.
MINING AND CIVIL ENGINEERS
40 YEARS EXPERIENCE IN TRI-STATE DISTRICT
216 WEST THIRD STREET
PHONE 11
JOPLIN, MISSOURI

November 5, 1952

LOG

Hole # 2 - Depth 288'

DAKS MINING COMPANY

Dennis Patterson Lease Locations See Map Attached to Contract

NW¼ of NW¼ Sec. 30, Twp. 25N, R 30W, Newton County, Missouri

Started 10/1/1952 Finished 10/14/1952

Struck water @ 265'
Water Depth stands @ 265'

From	To	Formation
0	27'	Soil & Clay
27'	30'	Brown Lime
30'	60'	Gray Lime & Blue & Gray Flint
60'	65'	Gray & Brown Lime- Gray Flint
65'	80'	Oolite & Gray Lime
80'	125'	Gray Flint - Gray & Brown Lime
125'	205'	Gray Flint- Gray & Brown Lime
205'	225'	Gray Brown Lime - Gray Flint
225'	237½'	Gray Brown Lime & Gray Flint
237½'	242½'	Blue & Gray Flint- Trace of Jack
242½'	245'	Blue & Gray Flint- Zinc
245'	247½'	Blue & Gray Flint- Zinc
247½'	260'	Blue & Gray Flint-Trace of Brown Lime - Trace Zinc
260'	280'	Gray & Blue & Brown Flint
280'	288'	Gray Lime- Gray Blue & Brown Flint

MINE VALUATIONS
MINE AND LAND SURVEYS
DRAFTING

NOV 18 1952

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-831 OKLAHOMA NO. 448
MEMBER A. I. M. & M. E.

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WILLIAM M. STEWART ENGINEERING CO.
MINING AND CIVIL ENGINEERS
40 YEARS EXPERIENCE IN TRI-STATE DISTRICT
216 WEST THIRD STREET
PHONE 11
JOPLIN, MISSOURI

DALE MINING COMPANY

Docket D.M.E.A. - 2485 (Zinc-Lead)

NARRATIVE REPORT

Hole # 1

Hole # 2

October, 1952 Project Contract IdM.-E 325

During the month Churn Drilling of the Fourth and Fifth Holes on the project was completed. (No. 1 and No. 2 as located on the map attached to the contract.)

Hole No. 1 was started October 14,1952, and completed October 30,1952 at a cost of $ 2.40 per. foot, for a depth of 270 feet. Water was struck at 255 feet. This was a blank hole.

Hole No. 2 was started October 1,1952 and completed October 14,1952, at a cost of $ 2.40 per. foot, for a depth of 288 feet.

Shines of zinc or mineralization was encountered from a depth of 237½ feet to 242½ feet. Good Zinc ore was indicated by samples from a depth of 242½ feet to 247½ feet, with fair zinc shines from 247½ feet to 260 feet. This has an assay average for the depth of 242½ feet to 260 feet of 3.09 Zinc, or 6.47 blend of 60% ZnS.

Eng'r. William M. Stewart

William M. Stewart

ENGINEERS
INSPECTIONS and TESTS

The Bruce Williams Laboratories

ESTABLISHED 1898
Main Office 618-622 Joplin Street · Telephone 556
JOPLIN, MISSOURI

CHEMISTS
INDUSTRIAL and ANALYTICAL

Picher, Oklahoma
Connell Hotel Bldg.
Telephone 710

St. Louis, Missouri
306 Valley Drive
Telephone Imperial 3226

Dale Mining Company
811 Kentland Drive
Neosho, Missouri

11-3-52 Hole # 2

OUR NO.	MARK	DESCRIPTION		ZINC	IRON	LEAD	LIME	MOISTURE
629362	Samples by Faulkner		237½-242½	0.34				
363	of Stewert Engineering		242½-245	13.00				
364	Company		245-247½	10.60				
365			247½-260	0.72				

Bruce Williams

UARCO INC. - CHICAGO

2485

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Joplin, Missouri
NOV 28 1952

DOCKET COPY

Mr. Gerald Keplinger
Dale Mining Company
811 Kentland Drive
Neosho, Missouri

Re: Docket No. DMA 2485
Contract No. Idm-E325
Dale Mining Co.

Dear Mr. Keplinger:

Your monthly report of exploration on Forms MF-104 and MF-104A for October, 1952 has been approved by this office. On this date the original has been forwarded to the Regional Finance office, U. S. Bureau of Mines, Amarillo, Texas

Enclosed are five copies of Forms MF-104 and MF-104A to be used for next monthly report.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.
cc - Operating Committee

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OCT 17 1952

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 2485 Contract No. E-325
Operator's Name Dale Mining Company Minerals Idm
Address 811 Kentland Drive, Neosho, Mo. Lead-Zinc
Contract Amount, $ 7776.00 Government Participation: 50% Amount, $ 3888.00

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) ~~Mixed~~ Short Form Contracts:						
Drilling 292 2.40	700.80	1296.00	1996.80			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	700.80	1296.00	1996.80			

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

Date Oct. 16, '52 *Payee Dale Mining Co.

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 350 40

Signature
(Authorized Certifying Officer)

Date Vou. No. DMEA 6-46
(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-E325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Oct. 17, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Exec. Off. Date Oct. 17, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1952

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

Month of September 1952 Docket No. DMEA 2485 Contract No. E-325
Operator's Name Dale Mining Company Minerals Idm
Address 811 Kentland Drive, Neosho, Mo. Lead-Zinc

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	700.80	292	1996.80	832	2.40	3240	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		700.80	292	1996.80				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		700.80	292	1996.80				7776.00

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

Date Oct. 16, '52 Operator Dale Mining Co.
By Gerald Klepinger Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U.S. GOVERNMENT PRINTING OFFICE 205676

MINE VALUATIONS
MINE AND LAND SURVEYS
DRAFTING

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-831 OKLAHOMA NO. 448
MEMBER A. I. M. & M. E.

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DISTRICT MAPS

WILLIAM M. STEWART ENGINEERING CO.
MINING AND CIVIL ENGINEERS
40 YEARS EXPERIENCE IN TRI-STATE DISTRICT
216 WEST THIRD STREET
PHONE 11
JOPLIN, MISSOURI

September, 1952

DRILL RECORD

[illegible] MINING COMPANY — [illegible] PARTNERSHIP LEASE

NW¼ of NE¼ Sec. 30-Twp. 29-R34, Barton County, Missouri

HOLE # 6

Collar El. Unknown

Surf	10	Footwall	
0	30	Soft Clay	
30	75	Gray Lime, Brown Gray Flint	
60	95	Brown Lime, Brown Gray Lime	
95	200	Gray-Brown Lime	
200	240	Brown-Gray Lime, Gray Flint	
240	244½	Brown Lime, Gray Flint	Trace of Zinc
244½	252½	Gray Flint, Brown Lime, Tan Gray Lime	
252	265	Blue Gray Flint	Pale Blue-Green Bottom
265	267½	Blue Gray Flint	Trace Zinc
267½	270	Blue Gray Flint	Zinc Stringer
270	280	Blue Gray Flint	Trace of Zinc
280	292	Blue Gray Flint, Brown Lime	Trace of Zinc

MINE VALUATIONS
MINE AND LAND SURVEYS
DRAFTING

REGISTERED PROFESSIONAL ENGINEER
MISSOURI NO. E-831 OKLAHOMA NO. 446
MEMBER A. I. M. & M. E.

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MINING AND CIVIL ENGINEERS
40 YEARS EXPERIENCE IN TRI-STATE DISTRICT
216 WEST THIRD STREET
PHONE 11
JOPLIN, MISSOURI

BALS MINING COMPANY

DOCKET D.M.E.A.-2485 (Zinc-Lead)

NARRATIVE REPORT

September, 1952 Project Contract Min.-E 325

During the month Churn Drilling of the third Hole on the project (No.6, on log attached to the original contract) was completed. This Churn Drill Hole was started August 19,1952 and completed September 4,1952, at a depth of 292 feet, at a cost of $ 2.40 per. ft.

Zinc ore was intersected at a depth of 265 to 282½ feet, with an average assay of 0.85 total.

ENGINEERS
INSPECTIONS and TESTS

The Bruce Williams Laboratories

ESTABLISHED 1898

Main Office 620-622 Joplin Street Telephone 556

JOPLIN, MISSOURI

CHEMISTS
INDUSTRIAL and ANALYTICAL

Picher, Oklahoma
109 S. Connell Street
Telephone 710

St. Louis, Missouri
306 Valley Drive
Telephone Imperial 3226

Dale Mining Company
811 Kentland Drive
Neosho, Missouri

10-3-52

OUR NO.	MARK	DESCRIPTION	ZINC	IRON	LEAD	LIME	MOISTURE
626812	Stark City, Missouri	265-267½	1.40				
813		267½-270	2.64				
814		270-282½	0.38				

per

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

xxxxxxxxxxxxxxxx
Joplin, Missouri
October 3, 1952

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA-2485
Contract No. Idm-E325
Dale Mining Co.

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for August, 1952 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo, on September 23, 1952 and notice of its certification has been received.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

Form MF-104A
(April 1952)

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

SEP 18 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 2 Docket No. DMEA 2485 Contract No. D-325
Operator's Name Dale Mining Company Minerals Zinc
Address Gil Hartland Drive, Joplin, Missouri Zinc - Lead

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	foot	648.00	270	3,296.00	540	2.40	3,240	2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		648.00	270	$1296.00 C.C.K. ~~648.00~~				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
Total Costs		$648.00 CCK	270	C.C.K. $1,296.00 ~~648.00~~	C.C.K.			3776.00

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

Date Sept 15 - 52 Operator Dale Mining Co.
By Gerald Klepinger Title Partner

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

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA [illegible] Contract No. Idm-[illegible]
Operator's Name Dale Mining Company Minerals [illegible]
Address [illegible] Lead
Contract Amount, $ [illegible] Government Participation: 50 % Amount, $ [illegible]

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

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

Date Sept. 15, 52 *Payee Dale Mining Co.

Per Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 324.00

Signature
(Authorized Certifying Officer)

Date Vou. No. 6-45
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Delm-F325 in accordance with the terms of the contract.

Signature Clinton C. Knox Title Mining Engineer Date Sept. 18, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Exec. Off. Sept. 23 Date Sept. 23, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

DALE MINING COMPANY
Docket DMEA-2485 (Zinc-Lead)

Narrative Report

August, 1952 Project Contract Idm-E325

During the month, churn drilling of the second hole on the project (No. 12, on the attached log) was completed at 270 feet in depth on August 23, 1952. Its location is that designated as No. 12 on the map of the proposed locations, previously attached as a part of the project contract.

As submitted in the drill hole logs, the zinc content of the two cutting samples which were assayed from hole No. 12, exceeded those of hole No. 3 which was previously drilled and described in the July Monthly Report. That was the first hole drilled on the project and its location was likewise designated as No. 3 on the map of proposed locations, previously attached as a part of the contract.

No unusual difficulties were encountered.

DALE MINING COMPANY

Exploration Drilling Log

Churn X

HOLE 3

Farm Name: Patterson Lease: Patterson

Location: NE¼ NW¼ Sec. 30, Twp. 27-N, Range 31-W

Contractor: Dale Mining Company Drillers: Patterson & Miller

Water at: None. Commenced: 8/4/52 Finished: 8/23/52 T.D. 270'

From	To	Description of Formation	Mineral Estimates
0	30	Soil, clay, gravel, shale	
30	35	Clay, gravel, shale	
35	40	Grey limestone	
40	45	Grey limestone, some tan limestone, gray chert	
45	50	ditto	
50	55	ditto	
55	60	Brown & grey limestone, some grey chert, pyrates Iron	
60	65	ditto	
65	70	ditto	
70	75	ditto	
75	80	ditto	Fossil Ferrous
80	85	Brown limestone, little grey limestone, specks chert	
85	90	ditto	
90	95	ditto	
95	100	Brown limestone, some grey limestone	Pyrates Iron
100	105	ditto	
105	110	ditto	
110	115	ditto	
115	120	ditto	
120	125	ditto	
125	130	ditto	
130	135	ditto	
135	140	ditto	
140	145	ditto	
145	150	ditto	
150	155	Brown, tan and grey limestone, speck grey chert	
155	160	ditto	
160	165	ditto	
165	170	ditto	
170	175	ditto	
175	180	ditto	
180	185	ditto	
185	190	ditto	
190	195	Brown, tan and grey limestone, some grey spotted chert	
195	200	ditto	

Dale Mining Co.
Exploration Drilling Log
Patterson land

From	To	Description of Formation	Mineral Estimates
200	205	Brown limestone, grey and blue chert	
205	210	ditto	
210	215	ditto	
215	220	ditto	
220	225	ditto	
225	230	Grey, brown limestone, grey & blue chert, tr zn.	
230	235	Dense grey chert, some brown chert, tr. zn.	
235	237½	ditto	
237½	242	ditto	
242	245	ditto	
245	247½	ditto	good shines Zn
247½	250	ditto	trace zn.
250	252½	ditto	shines zn.
252½	255	ditto	good ore zn.
255	257½	ditto	trace zn.
257½	260	Grey & white chert, dense grey and blue chert	trace zn.
260	265	ditto with some brown limestone	
265	270	ditto ditto	

A S S A Y

	ZnS
245 - 247½	2.97
247½ - 250	shines
250 - 252½	"
252½ - 255	12.57

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
~~XXXXXXXXXXXXXXX~~
Joplin, Missouri
August 25, 1952

Operating Committee
Defense Minerals Exploration
Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket No. DMEA 2485
Contract No. Idm-E325
Dale Mining Company

Dear Sirs:

Transmitted herewith are two copies of the monthly report for the subject Exploration Project for July, 1952 on Forms MF-104 and MF-104A with appropriate attachments, as required by the Washington office of the Defense Minerals Exploration Administration.

The original was forwarded to U. S. Bureau of Mines, Amarillo on August 7, 1952 and notice of its certification has been received today.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 26 1952

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

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

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

Month of July 1952 Docket No. DMEA 2405 Contract No. Idm-E325
Operator's Name Dale Mining Company Minerals zinc-lead
Address 811 Kentland Drive, Neosho, Missouri
Contract Amount, $ 7776.00 Government Participation: 50 % Amount, $ 3888.00

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 270 @ 2.40	$648.00	$----	$648.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$648.00		$648.00			

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

Date 8-5-52 *Payee Dale Mining Co

By Gerald Klepinger Title Partner

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

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

(Instructions on reverse)

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

$ 324.00

Signature
(Authorized Certifying Officer)

Date Vou. No. G.-41

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-325 in accordance with the terms of the contract.

Signature Wm. P. Williams Title Geologist Date 8-7-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature David Gallagher Title Ex. Off. Date Aug. 7, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

AUG 6 19

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 1952 Docket No. DMEA _____ Contract No. Idm.-B 925
Operator's Name Dale Mining Company Minerals zinc-lead
Address _____

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	feet	$648.00	270	$648.00	270	$2.40	3,240	$ 2.40
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$648.00	270	$648.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs				$648.00				$7776.00

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

Date 8-5-52 Operator Dale Mining Co.
Per Gerald Klepinger Title Partner

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

Remarks: _____

(Instructions on reverse)

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 26 1952

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

DALE MINING COMPANY

Exploration Drilling Log

Farm Name Patterson Lease Patterson Hole No. 12

Location NE¼ NW¼ Sec. 30, T-27N, R-31-W, Newton County, Missouri

Coordinates Elev.

Ft. of Casing 6½" ; 28 6⅝" ; 4 7/8" ; Left in Hole

Contractor Dale Mining Company Drillers Hugh Patterson, Bill Miller

Water At: No Water Commencing 7-15-52 Finished 7-30-52 T.D.270

From	To	Description of Formation	Mineral Estimates
0	28	Surface Clay Yellow Boulders (chert)	
28	30	Grey LS, Some Grey Chert (95%) (5%)	
30	35	Grey LS,	
35	40	Grey LS, Dense Grey Chert (75%) (25%)	
40	45	Tan Grey LS(75%) Dense Grey Chert(25%) & Specks Shale	
45	50	" " " " Dense Grey Chert 50-50	
50	55	Shelly Grey & Tan LS Grey Chert 75-25	
55	60	Tan & Grey LS Some Grey Chert 85-15	
60	65	" " " Grey Chert 50-50	
65	70	Tan & Grey LS Very little Grey Chert	
70	75	" " " " " " "	
75	80	" " " Specks of Dark Shale " little Grey Chert	Pyrates Iron Fossil Ferous
80	85	" " " " " " "	" "
85	90	Shelly Grey LS 100%	" " Iron
90	95	" " " Some Tan LS 95-5	" " "
95	100	Grey & Tan LS 95-5	" " "
100	105	" " " " Some Grey Chert	" "
105	110	" " " " " " "	" "
110	115	" " " "	
115	120	" " " "	
120	125	" " " "	
125	130	" " " " Grey Chert 75-25	
130	135	" " " " " " " "	
135	140	" " " " " " 85-15	
140	145	" " " " " " " "	

Price Ft. Driller

Record water encountered, cavities, faults, delays, etc. on reverse

From	To	Description of Formation	Mineral Estimates
145	150	Grey & Tan LS Some Grey Chert	85%-15%
150	155	Grey & Tan LS Very little Grey Chert	95%-
155	160	Grey LS & Tan LS " " " "	" -"
160	165	" " & " " " " " "	" -"
165	170	" " & " " " " " "	" -"
170	175	" " & " " " " " "	50-50
175	180	" " & " " Grey Spotted Chert	Translucent Chert 40-60
180	185	" " & " " " " " "	" " "
185	190	Grey Chert Grey LS " " "	
190	195	" " " " " " "	
195	200	" LS " Chert Specks ZnS	
200	205	Grey Mottled Chert Transculent Chert & Tan LS	
205	210	" Brown Chert & Specks Calcite	
210	215	" " " " "	
215	220	" " & Mottled Chert	
220	225	Dense Grey Chert Grey Chert Some White Chert	
225	230	" " " " " White & Transculent Chert	
230	235	" " " " " " " "	Dark Chert Spotted " Black "
235	237½	" " " " " Black Chert	Trace ZnS
237½	240	" " " " " " "	X " "
240	242½	" " " " " " "	X " "
242½	245	" " " " " " "	X " "
245	247½	" " " " " " "	X " "
247½	250	" " " " " " "	X " "
250	252½	" " " " " " "	Good ZnS Jasperoid
252½	255	" " " " " " "	Fair ZnS "
255	257½	Blue & Dense Grey Chert Brown Chert	& Trace ZnS
257½	260	" " " " " "	
260	262½	" " " " " "	
262½	265	" " " " LS	
265	270	" " " " LS	

Assay	Zns
250-252½	5.31
252½-255	1.80

7.11

5' 3.96% ZNS

Drillers Log

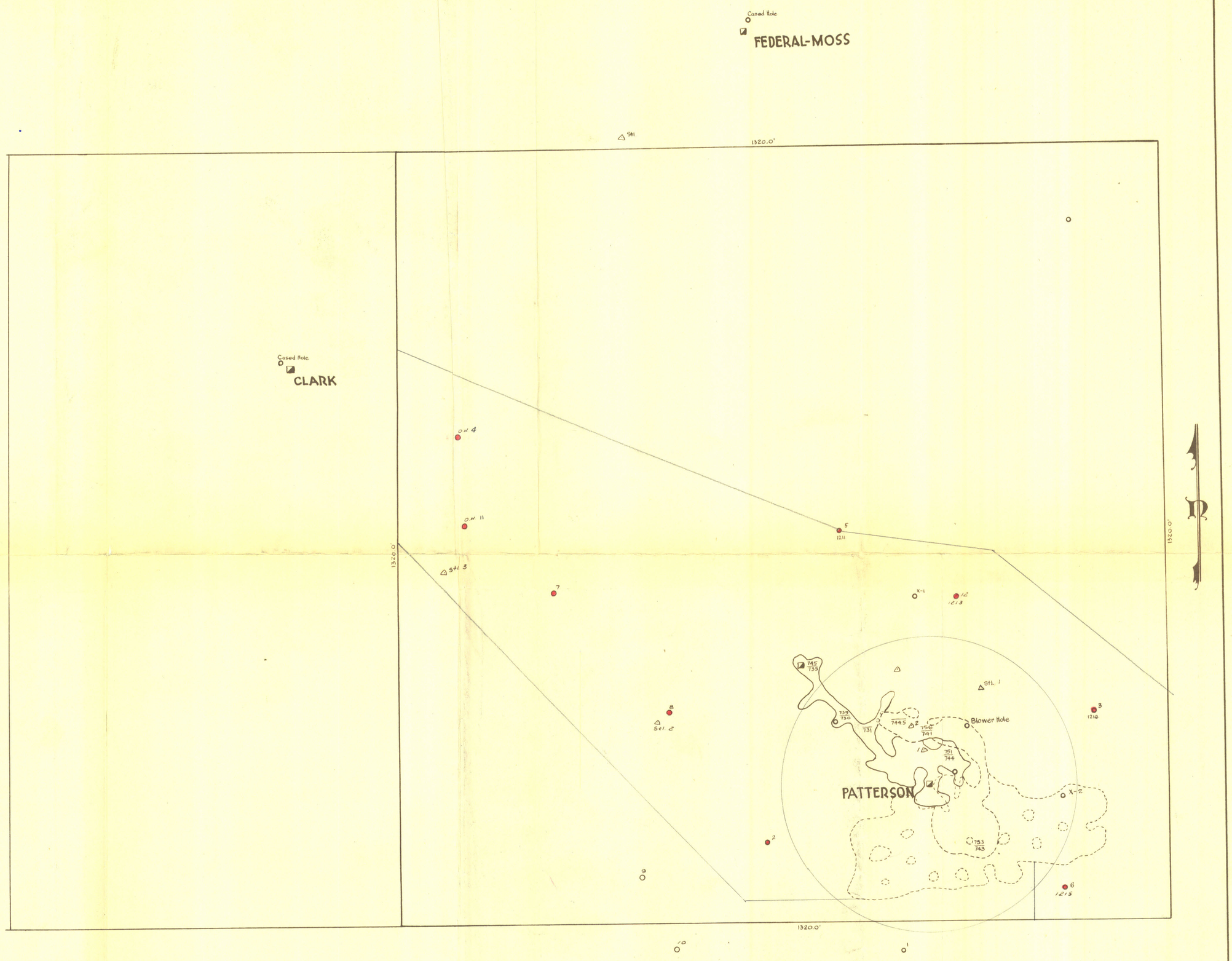
Driller Hugh Patterson
Helper Bill Miller

Hole # 18
Commenced 7-15-52
Completed 7-3-52

No Water

Casing 28 Ft. 6⅝"

0 - 28	Soil Clay & Boulders
28- 45	Grey Ls Grey Flint
45- 75	" " " & Blue Flint
75- 80	Brown & Grey LS Grey Chert
80- 205	Grey " Brown LS " "
205-220	Brown & Grey LS " "
220-235	Grey Blue & White Flint Grey LS
235-240	" " brown Flint Trace Zinc
240-250	Blue & Brown Flint
250-252½	Grey blue & Brown Flint Zinc
252½-260	Blue Brown & Grey Chert Some Grey Ls
260-270	" " " " " "

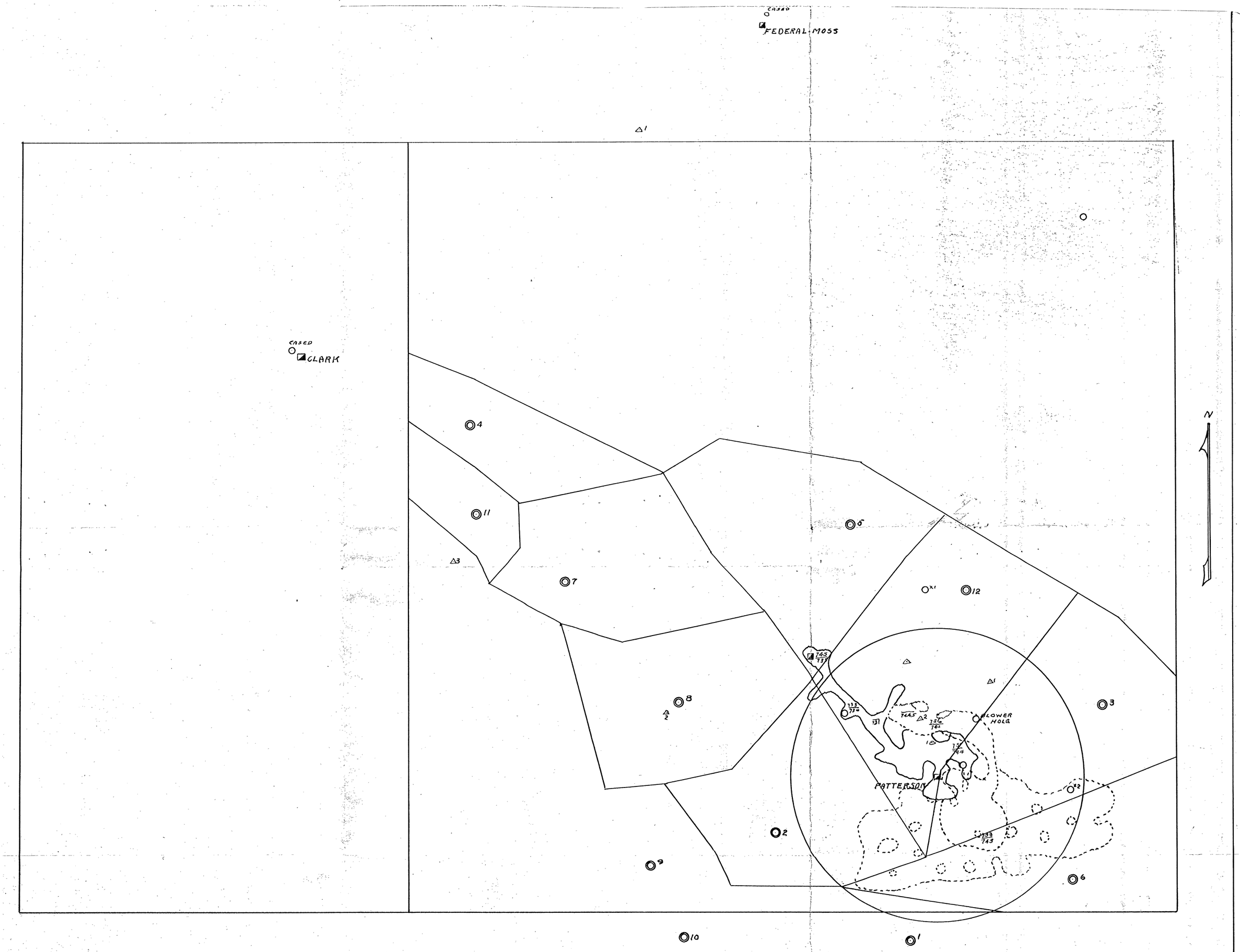


PATTERSON LEASE

in the NW ¼ of NE¼ Sec. 30, T25N, R30W
Newton County, Mo.

Scale: 1"=100' January, 1953

WILLIAM M. STEWART ENG. CO.
Joplin, Mo.



DALE MINING COMPANY

NW¼-NE¼ SEC. 30, T. 25 N., R. 30 W

NEWTON COUNTY, MO.

SCALE 0 100' 200'

DMEA DOCKET NO. 2488

CONTRACT Idm-E-235

LEGEND:

- EARLIER DRILLING
- DMA DRILLING
- EXCLUDED AREA
- ORE RESERVE AREAS

3-20-53

DALE MINING COMPANY

NW¼·NE¼ SEC. 30, T. 25 N., R. 30 W

NEWTON COUNTY, MO.

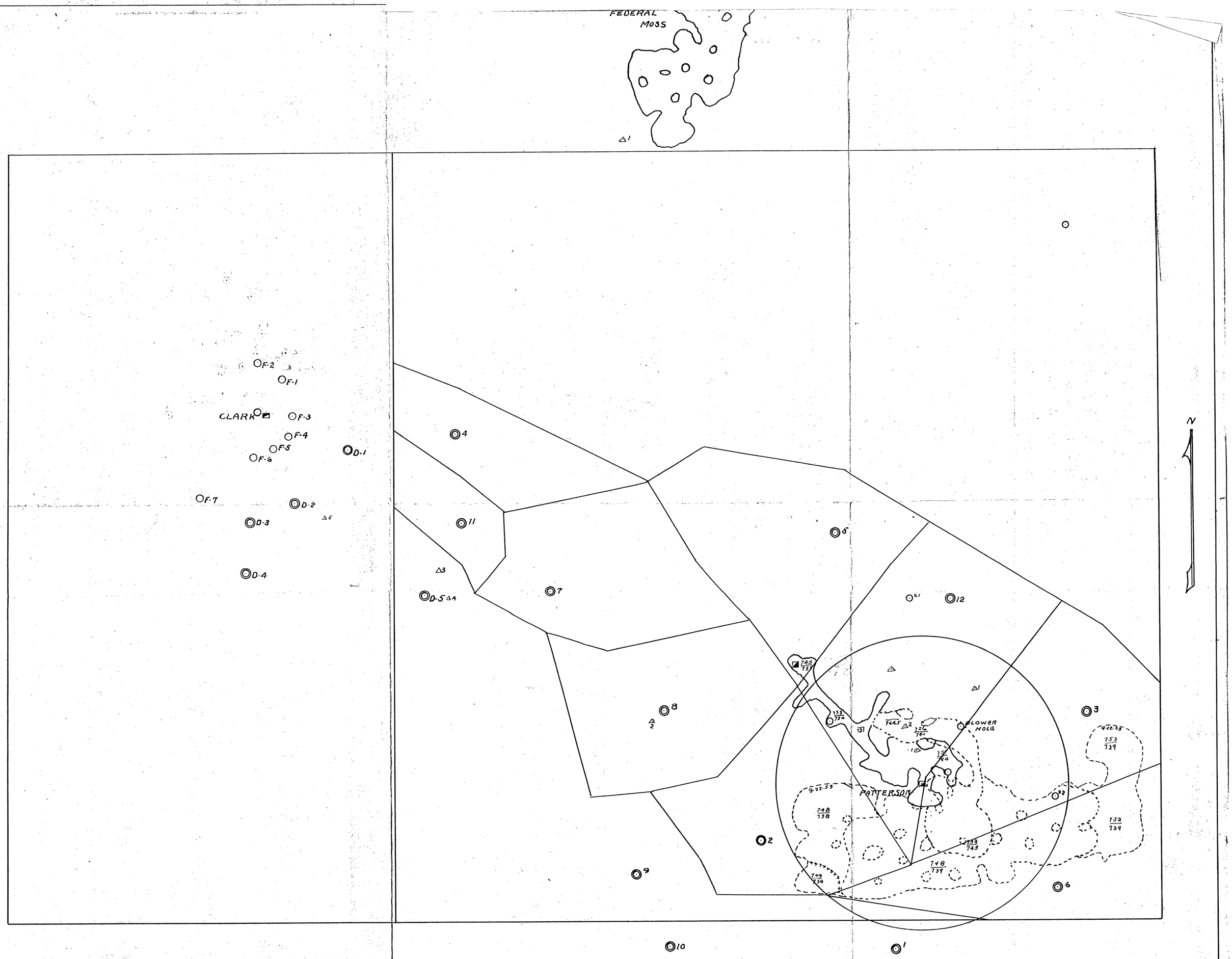
SCALE 0 100' 200'

DMEA DOCKET NO. 2485

CONTRACT Idm-E-235

LEGEND:

- EARLIER DRILLING
- DMA DRILLING
- EXCLUDED AREA
- ORE RESERVE AREAS



DALE MINING COMPANY

NW¼-NE¼ SEC. 30, T. 25 N., R. 30 W

NEWTON COUNTY, MO.

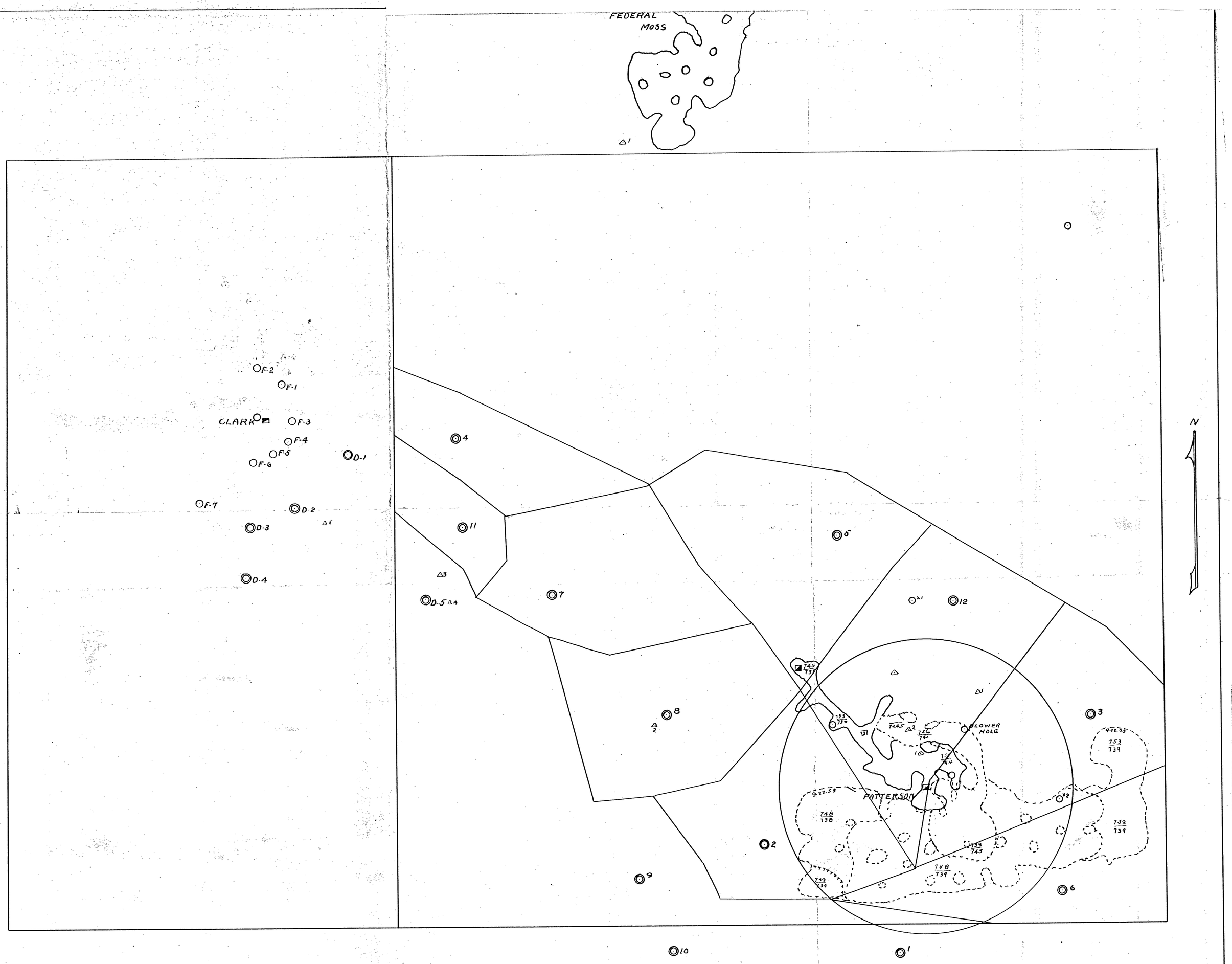
SCALE 0 100' 200'

DMEA DOCKET NO. 2488

CONTRACT Idm-E-235

LEGEND:

- EARLIER DRILLING
- DMA DRILLING
- EXCLUDED AREA
- ORE RESERVE AREAS



DALE MINING COMPANY

NW¼-NE¼ SEC. 30, T. 25 N., R. 30 W

NEWTON COUNTY, MO.

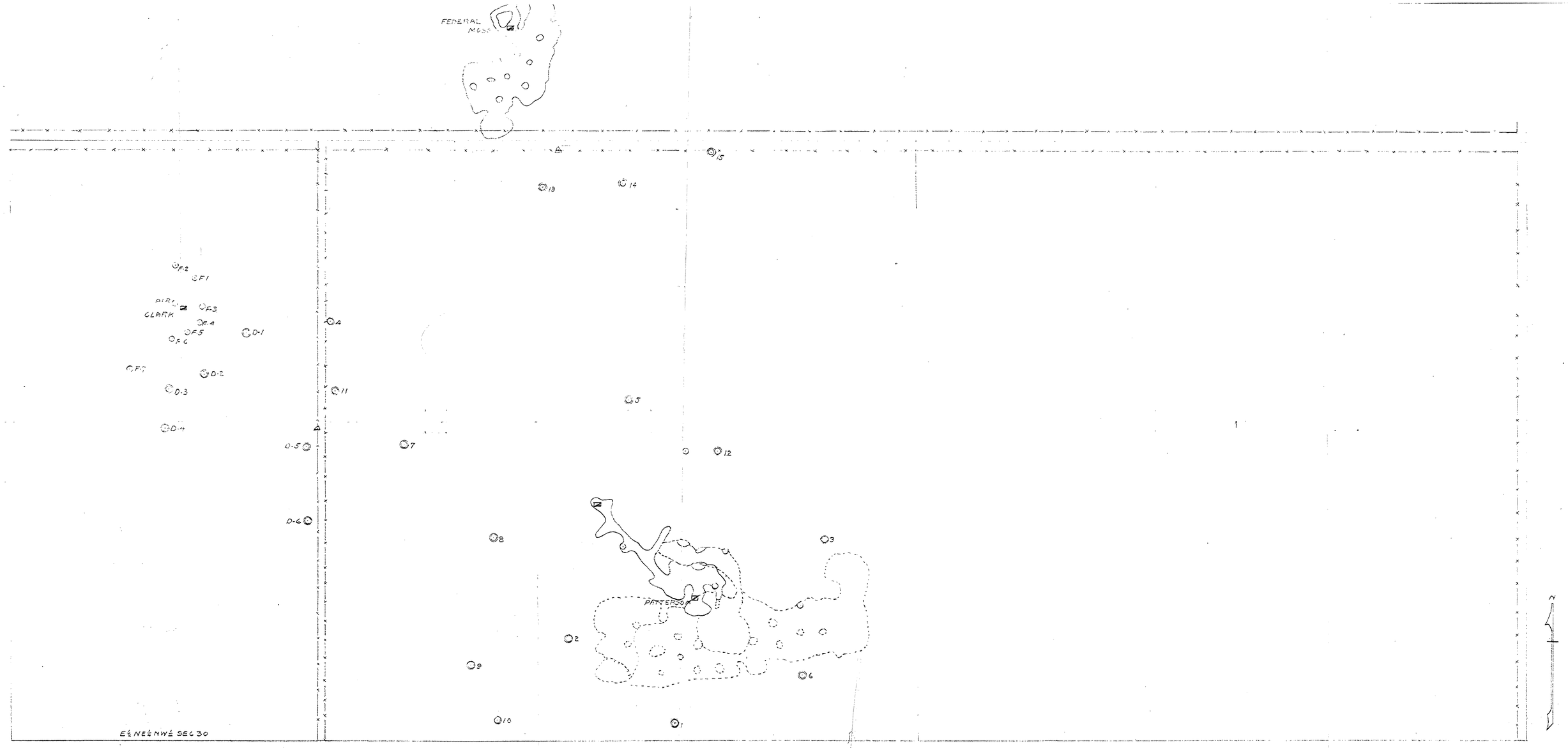
SCALE 0 100' 200'

DMEA DOCKET NO. 2485

CONTRACT Idm-E-235

LEGEND:

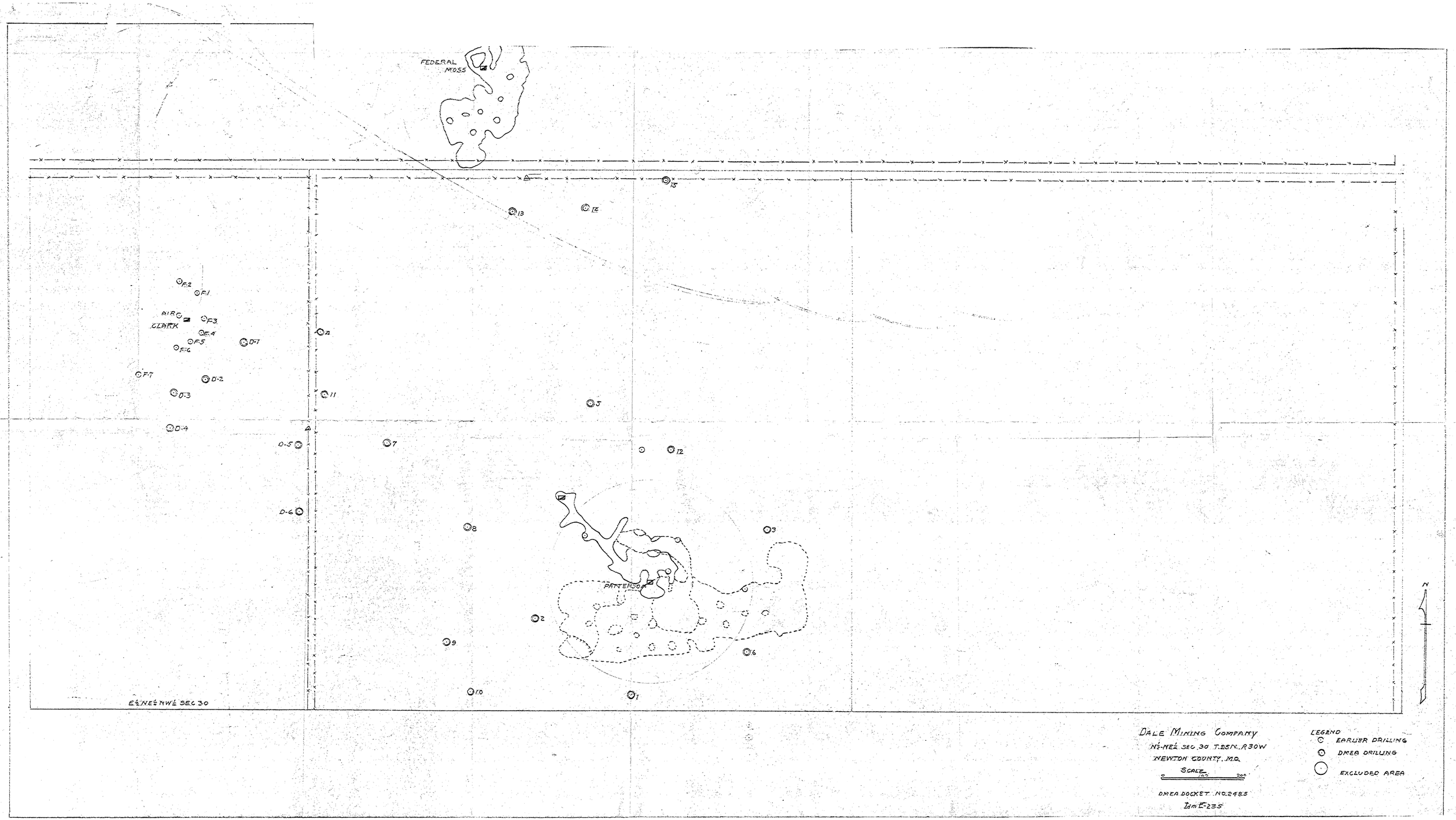
- EARLIER DRILLING
- DMA DRILLING
- EXCLUDED AREA
- ORE RESERVE AREAS



DALE MINING COMPANY
N½-NE¼ SEC 30 T.25N., R30W
NEWTON COUNTY, MO.
SCALE 0 20 200'

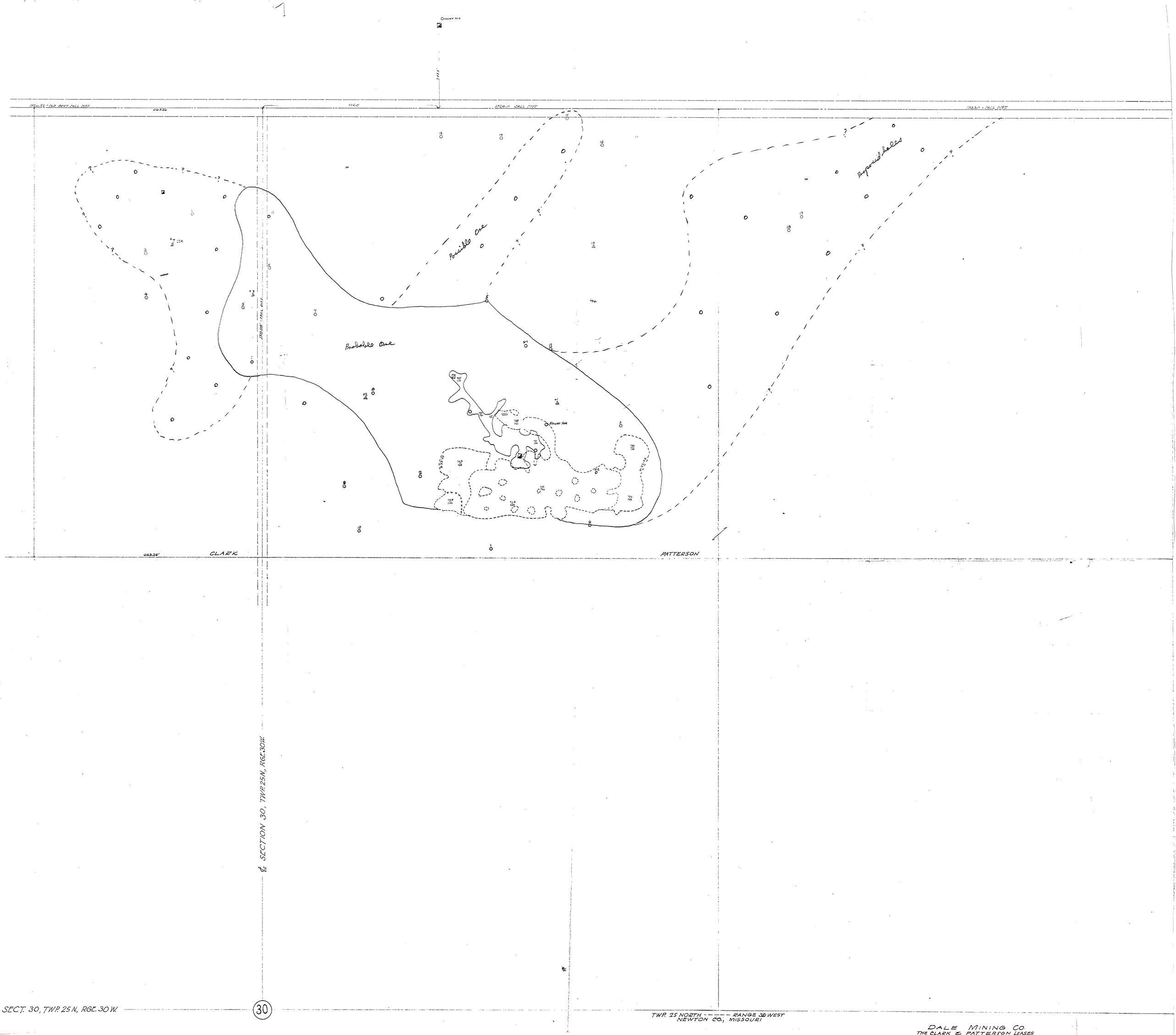
DMEA DOCKET NO. 2488
Exm E-235

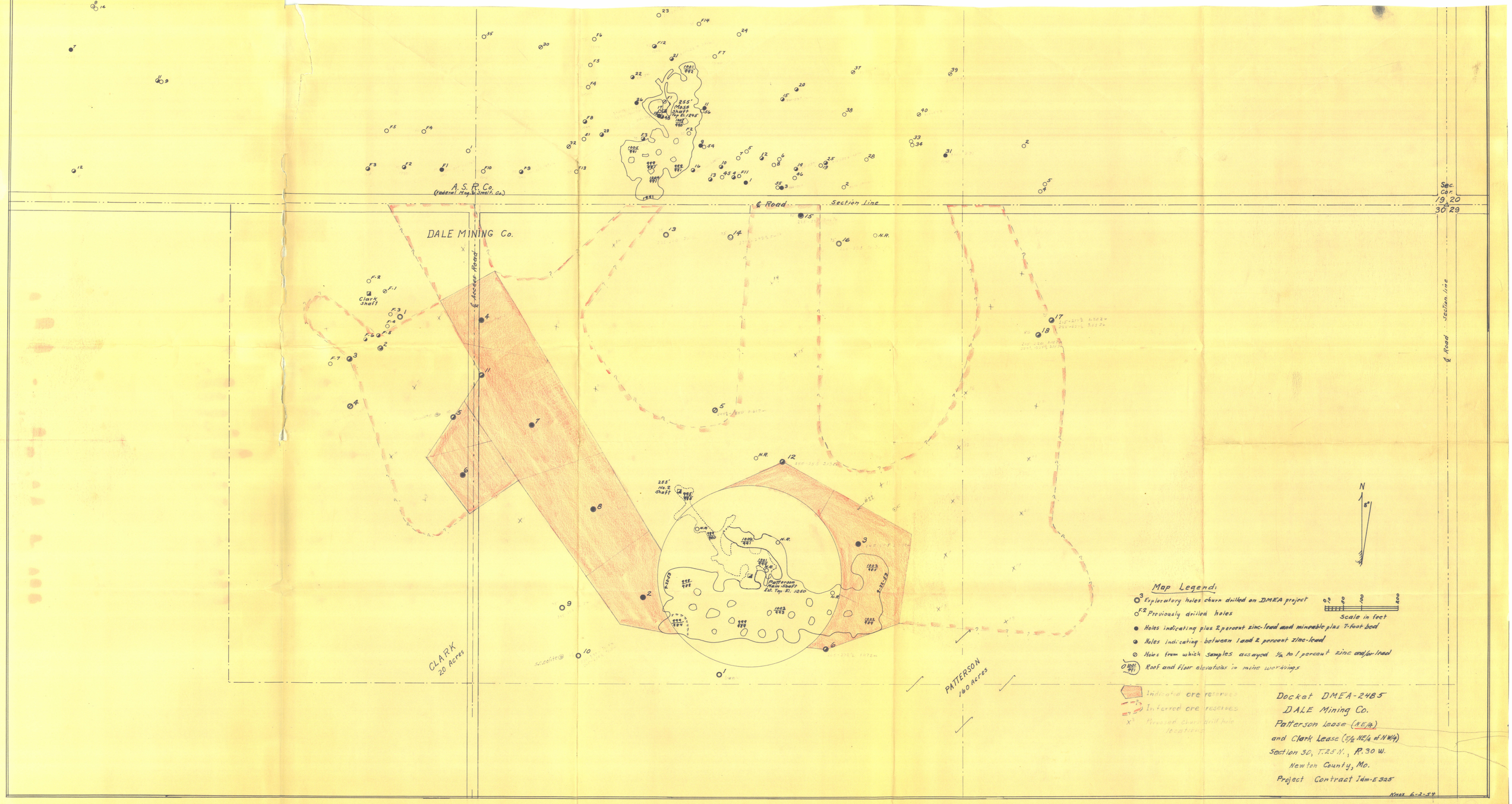
LEGEND
EARLIER DRILLING
DMEA DRILLING
EXCLUDED AREA

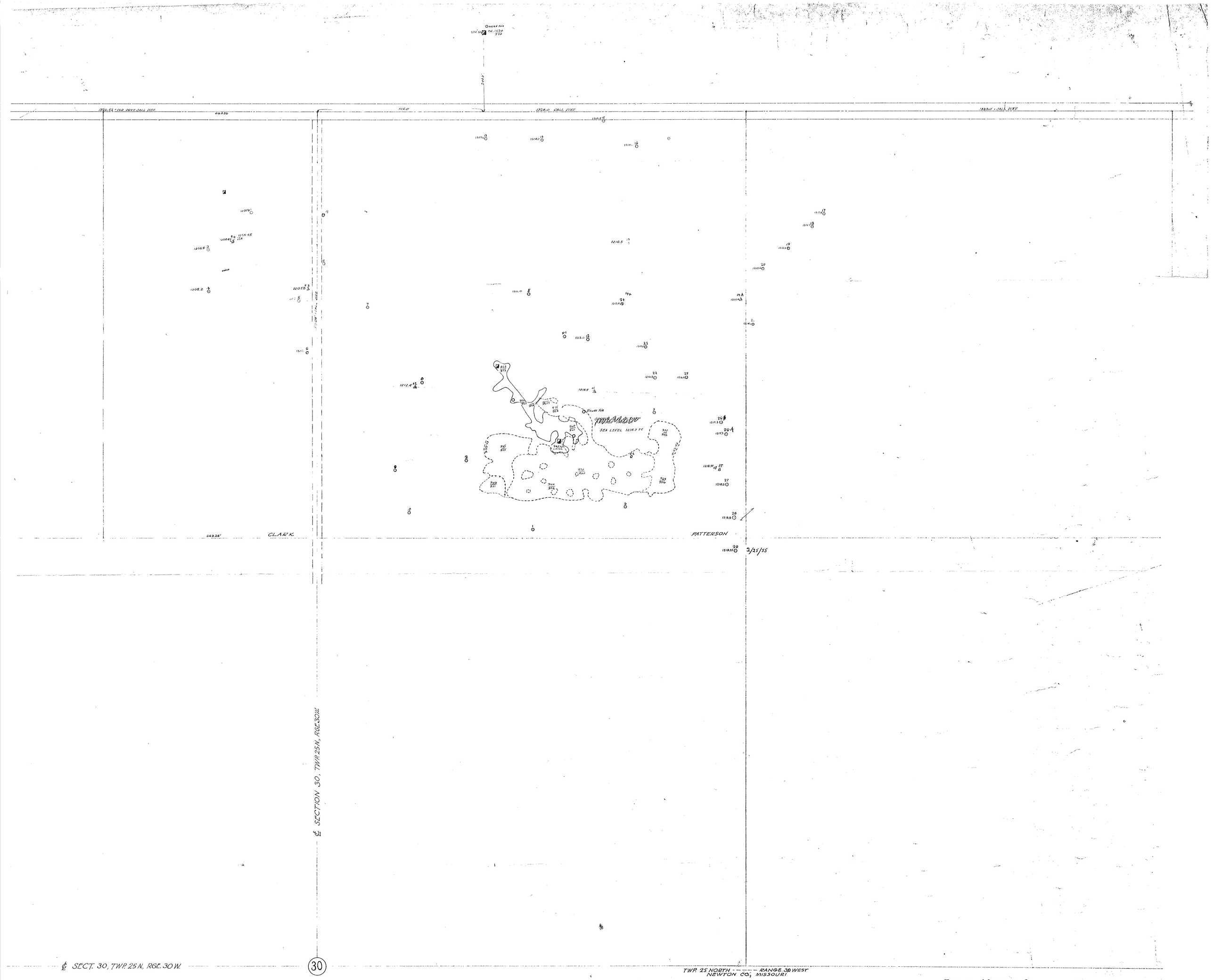


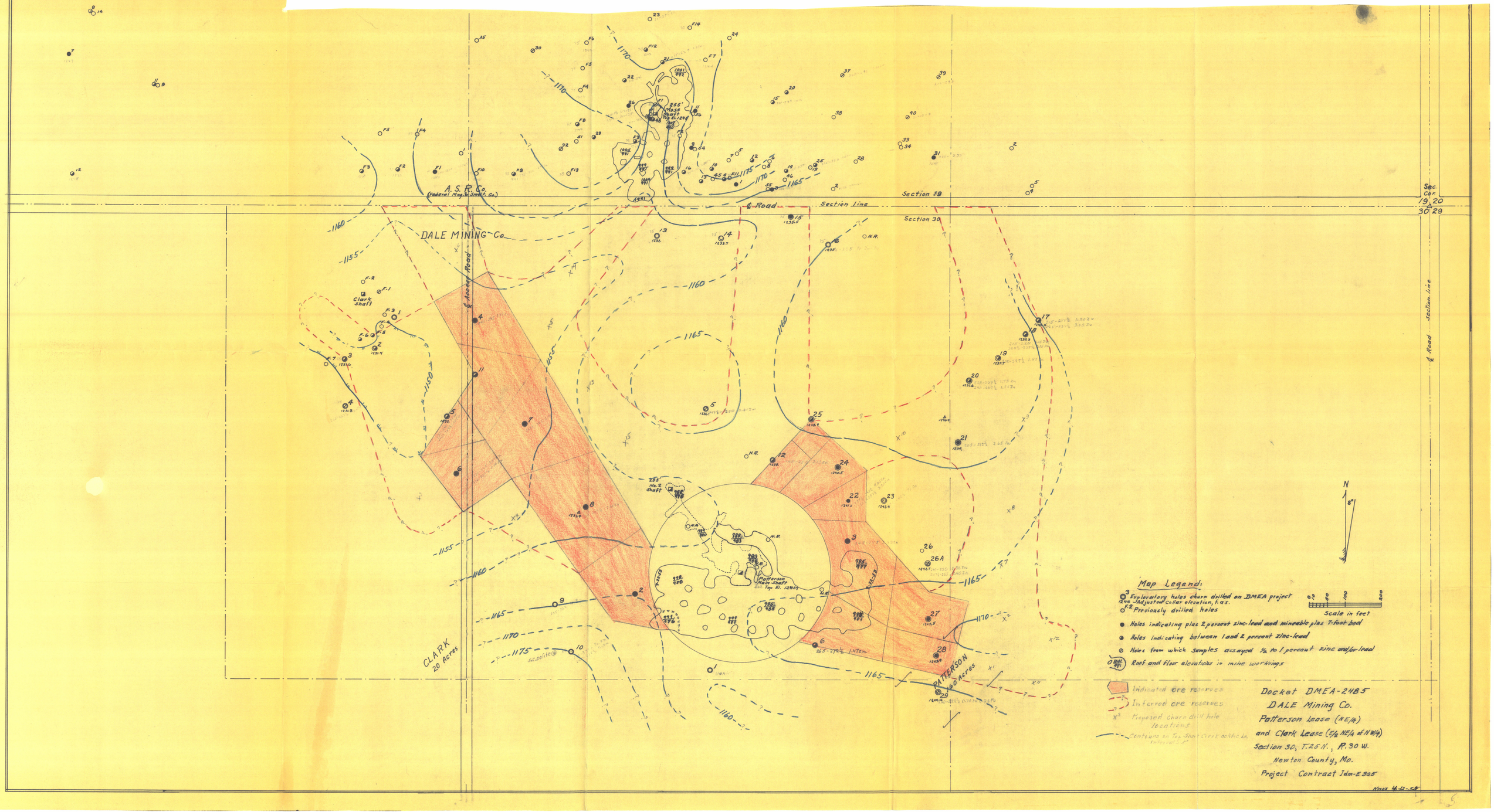
DALE MINING COMPANY
N½-NE¼ SEC. 30 T.25N., R.30W
NEWTON COUNTY, MO.
SCALE 0 100 200
DMEA DOCKET NO. 2485
Tam E-235

LEGEND
EARLIER DRILLING
DMEA DRILLING
EXCLUDED AREA


Possible Ore
Probable Ore
Proposed holes
Shower Hole
CLARK
PATTERSON
℄ SECTION 30, TWP. 25 N, RGE. 30 W.
SECT. 30, TWP. 25 N, RGE. 30 W.
30
TWP. 25 NORTH - - - - - RANGE 30 WEST
NEWTON CO., MISSOURI
DALE MINING CO.
THE CLARK & PATTERSON LEASES
SCALE: 1" = 100'
APRIL - 1954
William M. Stewart Eng. Co
JOPLIN, MO.


A.S.P. Co.
(Federal Mng. & Smelt. Co.)
℄ Road
Section Line
Sec. Cor.
19 20
30 29
DALE MINING Co.
℄ Access Road
Clark Shaft
255' Moss Shaft Top El. 1285
255' No. 2 Shaft
Patterson Main Shaft Est. Top El. 1250
N.R.
CLARK
20 Acres
PATTERSON
160 Acres
N
8°
Map Legend:
Exploratory holes churn drilled on DMEA project
Previously drilled holes
Holes indicating plus 2 percent zinc-lead and mineable plus 7-foot bed
Holes indicating between 1 and 2 percent zinc-lead
Holes from which samples assayed 1/2 to 1 percent zinc and/or lead
Roof and Floor elevations in mine workings
Scale in feet
Indicated ore reserves
Inferred ore reserves
Proposed churn drill hole locations
Docket DMEA-2485
DALE Mining Co.
Patterson Lease (E1/2 NE1/4 of NW1/4)
and Clark Lease (E1/2 NE1/4 of NW1/4)
Section 30, T.25 N., R.30 W.
Newton County, Mo.
Project Contract Jdm-E 325
Knox 6-2-54


CLARK
PATTERSON
SEA LEVEL 1216.7 TC
2/25/55
℄ SECTION 30, TWP. 25 N, RGE. 30 W.
℄ SECT. 30, TWP. 25 N, RGE. 30 W.
30
TWP. 25 NORTH ------ RANGE 30 WEST
NEWTON CO., MISSOURI
DALE MINING CO.
THE CLARK & PATTERSON LEASES
SCALE 1" = 100'
APRIL 1954
William M. Stewart Eng. Co.
JOPLIN, MO.
EXTENDED FEB. 25, 1955


A.S.R.R. Co.
(Federal Mng. & Smelt. Co.)
DALE MINING Co.
Section 19
Section 30
Section Line
℄ Road
Sec. Cor.
19 20
30 29
Clark Shaft
No. 2 Shaft
Patterson Main Shaft
CLARK
20 Acres
PATTERSON
40 Acres
N
Map Legend:
Exploratory holes churn drilled on DMEA project 2485 - Adjusted collar elevation, f.a.s.
Previously drilled holes
Holes indicating plus 2 percent zinc-lead and mineable plus 7-foot bed
Holes indicating between 1 and 2 percent zinc-lead
Holes from which samples assayed ½ to 1 percent zinc and/or lead
Roof and floor elevations in mine workings
Scale in feet
Indicated ore reserves
Inferred ore reserves
Proposed churn drill hole locations
Contours on Top Short Creek dolomite, interval 5'
Docket DMEA-2485
DALE Mining Co.
Patterson Lease (NE/4)
and Clark Lease (E½ NE/4 of NW/4)
Section 30, T.25 N., R.30 W.
Newton County, Mo.
Project Contract Idm-E 325