DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Ozark-Mahoning Company

Rosiclare, Illinois

pertaining to Exploration Project Contract No. Ida-E449, Docket No. DMEA-2757, for the months of February, 1953 to August, 1953, inclusive, covering a project for the exploration of fluorspar on property known as the C. & P. Austin 171 Acre Tract, located in Hardin County, Illinois.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, reference to the Field Team's final report for confirmation of the work performed, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

> the contract provides for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$20,151.99
Exceptions:		
By DMEA Finance Officer	$ - 0 -	
Herewith	- 0 -	-0-
Total Accepted Cost		$20,151.99

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Ten thousand seventy-six and no/100 Dollars,

$10,076.00

is considered valid and proper.

E. D. Talbert

E. D. Talbert, Auditor

October 29, 1953

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

OCT 30 1953

Mr. W. T. Millar
Executive Officer
DMEA Field Team, Region VIII
Eastern Experiment Station
College Park, Maryland

Re: Idm-E449, DMEA-2757
Ozark-Mahoning Company
Hardin County, Illinois

Dear Mr. Millar:

During my visit to your office on October 29, 1953, I reviewed the files of the referenced Exploration Project Contract. As a result of this review I am enclosing herewith the original and two copies of a Report of Review.

Please make distribution in accordance with Section 3 to Supplement No. 4 of DMEA Circular 19.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

Enclosure

October 30, 1953
EDTalbert/wb

Copy to: Docket
Admr. Reading File
Mr. Chambers

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 29 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2757 Contract No. IDM-2449
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $ 48,600.00 Government Participation: 50 % Amount, $ 24,300.00

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 - Churn	1615.95	18536.04	20151.99			
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	1615.95	18536.04	20151.99			

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

Date Sept. 30, 1953 *Payee OZARK-MAHONING COMPANY

Per [signature] Title Ass't. Sec.-Treas.

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

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

(Instructions on reverse)

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

$ 807.97

Signature F. R. Kaetner, Adm. Asst.
(Authorized Certifying Officer)

Date 10/28/53 Vou. No. DMEA-53
(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. DmE449 in accordance with the terms of the contract.

Signature Neumann Title Mining Eng Date 9-10-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Executive Officer Date 9/10/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 29 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 2757 Contract No. IDH-2449
Operator's Name Ozark-Mahoning Co. Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	1615.95	665	20151.99	8293		20000	2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1615.95	665	20151.99				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date September 3, '53 Operator OZARK-MAHONING COMPANY

Per [signature] Title Ass't. Sec-Treas.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1953

September 5, 1953

Mr. W. T. Millar
Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
U. S. Department of the Interior
Defense Minerals Administration
College Park, Md.

Dear Mr. Millar:

We have discontinued drilling operations on the Clifford and Paris Austin 171 Acre Tract because of disappointing results. The development work was covered by an Exploration Project Contract, dated November 18, 1952, Docket No. D.M.E.A. 2157, Contract No. IDM-2149. We propose to surrender our lease on the property on or before October 1, 1953 so as to avoid additional minimum royalty payments.

Twelve holes were drilled on the property in an effort to pick up the southwest extension of the Mill-Ledford mineralization. Below is tabulated the data on the various holes:

Hole No.	Started	Completed	Depth	Remarks
19	1-10-53	2-27-53	708	Blank.
20	1-31-53	3-10-53	700	Blank.
21	2-27-53	4-2-53	730	Blank.
22	3-10-53	4-17-53	725	Blank.
23	4-2-53	5-8-53	725	Blank.
24	4-17-53	5-28-53	700	Blank.
25	5-8-53	6-6-53	675	Blank.
26	5-28-53	7-2-53	670	Low grade mineralization at base of Bethel. No mineralization at Rosiclare or Sub Rosiclare contact.
27	6-6-53	7-2-53	670	Blank.
28	7-2-53	7-31-53	655	Blank.
29	7-2-53	7-31-53	670	Blank.
30	7-31-53	8-21-53	665	Blank.
	Total Footage		8293	

Attached hereto is a 100 ft. scale map of the Austin property showing the location of the various holes. Hole No. 23 showed a slight anomaly with some open ground and strong water near the Sub Rosiclare contact. This hole may be fairly close to the southwest extension of a fault cut on the adjoining Bunice Taylor 40 Acre Tract a number of years ago as represented by Drill Holes Nos. 1, 2 and 3. The suggested position of this fault is shown on the map.

Hole No. 26, drilled near the west line was the only hole to show any mineralization. Low grade spar with strong water was cut in the Bethel sand as well as the Bethel Renault contact. There was no water noticeable at the Rosiclare contact and the underlying formations. The cuttings were thick. A shortened section between the Bethel and Rosiclare contacts indicated the possibility of the main Hill-Ledford structure lying immediately west of the Austin property. Inasmuch as the Ozark-Mahoning Company held an option on the S. J. Hyman 40 Acre Tract it was decided to test this possibility by drilling S. J. Hyman No. 7. The position of this hole is also shown on the map. It was blank.

I am now of the opinion that the Hill-Ledford structure fades out to the southwest with little likelihood that much of any mineralization extends far beyond the south line of the Hill-Ledford property.

We trust that our decision to discontinue prospecting on the Austin Tract meets with the approval of your office.

Very truly yours,

OZARK-MAHONING COMPANY
Mahoning Mining Division

By A. G. Johnson
A. G. Johnson,
Geological Engineer

Encl.
AGJ:fhb

September 5, 1953

PARIS AND CLIFFORD AUSTIN

SUPPLEMENT SHEET

Status of Holes Completed

Hole No. 30 (Previously reported None) Depth 665 ft.

Attached to this report is copy of churn drill log No. 30. This hole was dry and blank. Because of failure to cut mineral in previous holes as well as failure to develop any strong structural features on the property, the Ozark-Mahoning Company has elected to discontinue all development work and abandon the property.

Final report on the property also is enclosed to which is attached one hundred foot scale map showing the location of all holes drilled to date, including No. 30.

OLAME-MINING COMPANY

C. & P. Austin 171 Acre Tract — Started 7-31-53

Drill Hole No. 30 — Completed 8-21-53

Elevation: 514.5 — Water 105 - 110 ft.

Location: 952 ft. south and 345 ft. west of the N.E. corner of the N.E. ¼ of the N.W. ¼ of Sec. 26 or 250 ft. south & 50' West of No. 28.

Stands 100 ft.
No lower water noticeable.
Cuttings muddy throughout lime sections.

Drilled by: Moreland and Mahler.

Examined by: A. O. Johnson
Casing - 12 ft.

0 - 9	Soil and clay
9 - 30	Oxidized sandstone
30 - 85	Gray sand
85 - 105	Shaly gray sand
105 - 125	Mostly shale
125 - 185	Gray and dark colored shaly lime - shale partings.
185 - 200	Chocolate colored shale
200 - 265	Shale - some lime
265 - 315	Gray sand - shale streaks
315 - 380	White sand
380 - 405	Gray sand - Shale partings. Paint Creek.
405 - 480	White and gray sand. S. B. 480 ft.
480 - 500	Gray lime
500 - 505	Cream selvage - gray lime
505 - 530	Gray lime, some selvage
530 - 555	Dark colored shaly lime
555 - 565	Light gray oolitic lime
565 - 590	Semicolore sand
590 - 600	Shelly gray lime
600 - 615	Light gray oolitic ls.
615 - 650	Gray lime
650 - 665	Light gray oolitic lime

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

Budget Bureau No. 42-R036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA _____ Contract No. DMEA 449
Operator's Name Ozark-Mahoning Co. Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $ 48,600.00 Government Participation: 50 % Amount, $ 24,300.00

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: Churn Drilling	3499.20	15,036.84	18,536.04			
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	3499.20	15,036.84	18,536.04			

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

Date August 3, 1953 Payee OZARK-MAHONING COMPANY

Per [signature] Title Ass't. Sec'y-Treas.

P. L. Caddell

*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:

$ 1,749.60

Signature F. R. Kartner, Adm. Asst.
(Authorized Certifying Officer)

Date 8/28/53 Vou. No. DMEA-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. E-449 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng. Date 8/7/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date 8/7/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 2757 Contract No. IDM-E 449
Operator's Name Ozark-Mahoning Co. Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	3499.20	1440	18,536.04	7,628		20,000	2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3499.20	1440	18,536.04				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 August 3, 1953 Operator OZARK-MAHONING COMPANY

Per [signature] Title Ass't. Sec'y-Treas.

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

August 3, 1953

Paris and Clifford Austin

Supplemental Sheet
July 1953

Status of Holes Drilling and Completed

Hole No. 26 - Completed at 670 ft. Previously reported 610 ft. Bal.	60
Hole No. 27 - Completed at 670 ft. Previously reported 615 ft. Bal.	55
Hole No. 28 - Completed at 655 ft.	655
Hole No. 29 - Completed at 670 ft.	670
Total	[illegible]

Attached to this report are copies of logs, of churn drill holes Nos. 26, 27, 28 and 29. Drill Hole No. 26 cut some mineralization the best of which was at the contact of the Bethel sand and the Renault lime.

Drill Holes Nos. 27, 28 and 29 were blank. One of the rigs will continue to drill on the Austin tract and is moving to the location of No. 30 hole. The second rig will drill No. 7, S. J. Hyman, located north of the Austin tract in an effort to extend the showing cut by No. 26. Therefore, only one rig will operate under the D. M. E. A. Contract.

The 100 ft. scale map shows the proposed location of Drill Hole No. 30 and also No. 7, Hyman.

CLARK-MANNING COMPANY

C & P Austin Trust
Drill Hole No. 35
Elevation: 409.5
Location: 86' South and 1395' West of the NE Corner of NE¼ of NW¼ of Sec. 26 or 3' South and 140' West of No. 34

Started: 5-20-53
Finished: 7-2 -53

Waters: 250' Light
255' Light
390' Stronger
460' Strong

Drilled by: Moreland and Butler
Examined by: E. A. Brooks & A. O. Johnson
Casing: 21 ft.

0-22	Surface
22-30	Brown shaly lime
30-60	Gray sand, shaly partings
60-110	Gray shaly sand
110-145	Gray shale
145-190	Gray and brown lime, very shaly
190-195	Gray shale
195-200	Gray and maroon shale
200-270	Gray shale, lime streaks
270-325	" " sand streaks
325-365	White sand, some shale, probably saved
365-390	" "
390-405	Gray sand, shaly
405-445	Shaly gray sand
445-455	Hard white sand
455-470	" " " Pb & Zn sha.
470-475	Shaly white sand - Tr. spar - Pb & Zn sha.
475-495	White sand. Few spar & Zn sha.
495-497½	Soft gray lime - some sand, and sands Tr. spar - Zn sha. Base of Bethel 496 ft.
497½-500	Soft gray lime, some gouge. Lt. low grade purple spar
500-505	Light gray lime - soft - Tr. selvage, spar sha.
505-510	Light gr. lime - sen. selvage, sehgs. shaly from 500-510 ft.
510-520	Light gray lime - trace of selvage
520-555	Dark colored shaly lime
555-565	Lower O'Hara - gray lime
565-587	Bedfiere sand
587-600	Soft light gray oily oolitic lime
600-650	Gray lime
650-655	Gray to dark gray lime
655-658	Gray lime - Sub Bedfiere sand
658-670	White oolitic lime

Assays	CaCO3	CaMg	Zn
470-475	8.44	20.08	2.91
495-497½	48.19	19.35	
497½-500	49.49	27.84	

Note: No water in hole below 460 ft. Cuttings in lime were thick and did not settle.

CLARK-MARSHALL COMPANY

Clifford A Paris Austin Trust
Hole No. 27
Elevation: 497.8
Location: 330' S 263' West of NE Corner of NE¼ of NW¼ of Sec. 26 or 205' South 7' West of FES
Drilled by: Moreland and Bohler
Examined by: A. G. Johnson
Casing: 20 ft.

Started: 6-4-53
Comp.: 7-8-53

Water: 350' Light
530' Trace

0-10	Soil and clay
10-30	Clay - sand boulders
30-105	Berthaberg sandstone
105-110	Shale
110-200	Dark colored shaly lime
200-205	Chocolate colored shale
205-270	Shale - some lime & shaly sand
270-325	Shaly sand
325-390	Hard white sand
390-410	Shaly sand - Paint Creek
410-490	Hard white sand. R. S. 490 ft.
490-510	Gray lime
510-530	Gray lime, trace of salvage
530-560	Dark colored shaly lime
560-570	Gray lime
570-590	Sandstone sand
590-600	Light gray sandy lime
600-625	Gray lime
625-658	Gray to dark gray lime
658-670	White calcite lime

Note: Cuttings in lime formation thick. No lower water.

OZARK-MAHONING COMPANY

C. & P. Austin 171 Acres
Drill Hole No. 28
Elevation: 591.7
Location: 702 ft. south and 287 ft. west of the N.E. Corner of the N.E. ¼ of N.W. ¼ of Sec. 26 or 189' south and 13 ft. west of No. 29.

Started 7-2-53
Finished 7-31-53

Water:
135 light
320 settled cuttings
405 " "
Stands 135

Drilled by: Maryland and Kohler

Examined by: E. A. Brecka
Casing: 20 ft.

0 - 15	Surface
15 - 60	Gray sand, shaly partings
60 - 85	Gray sand
85 - 90	Gray sand shaly partings
90 - 125	Gray shale
125 - 185	Gray and brown lime, shale streaks
185 - 190	Gray shale
190 - 195	Gray and maroon shale
195 - 285	Gray calcareous shale
285 - 290	Gray sand, shaly partings
290 - 315	Gray shale, sandy
315 - 330	Brown sand
330 - 380	White sand
380 - 400	Gray sand, shaly F. S.
400 - 440	Gray shelly sand
440 - 455	White sand
455 - 460	Gray shelly sand
460 - 475	" " " , shaly partings
475 - 480	" " " , sem. gray lime. Base of Bethel 476.
480 - 500	Gray lime
500 - 520	Shale and salvage, lime streaks
520 - 545	Dark brown shaly lime
545 - 550	Lower O'Hara lime

550 - 583	Reagiaere sand
583 - 595	Light gray oolitic lime
595 - 620	Light brown lime
620 - 640	Dark brown lime
640 - 645	Light brown lime
645 - 655	Light gray oolitic lime

OZARK-MAHONING COMPANY

C. and P. Austin 171 Acres — Started 7-2-53

Drill Hole No. 29 — Finished 7-31-53

Elevation: 505.7 — Water: 185 - 190 Fair

Location: 512 ft. south and 274 ft. west of the N. E. Corner N.E. ¼ of N.W. ¼ of Sec. 26 or 194 ft. south and 13 ft. west of No. 27.

Drilled by: Moreland and Hohler
Examined by: E. A. Brecke
Casing: 20 feet.

0 - 25	Surface
25 - 60	Gray sand, shaly partings
60 - 105	Gray sand
105 - 140	Gray shale
140 - 190	Gray and brown lime, shale streaks
190 - 200	Gray and maroon shale
200 - 305	Gray shale, calcareous
305 - 330	" " , sandy
330 - 390	White sand
390 - 415	Gray shaly sand
415 - 455	Gray shelly sand
455 - 475	White sand
475 - 490	" " , little shale
490 - 495	Gray sand, some gray lime. Base of Bethel 492
495 - 510	Gray lime
510 - 540	Shale and selvage, lime streaks
540 - 570	Dark brown shaly lime
570 - 575	Lower O'Hara lime, sandy
575 - 592	Rosiclare sand
592 - 615	Light gray oolitic lime

615 - 640 Light brown lime

640 - 660 Dark brown lime

660 - 670 Light gray sublitho lime

August 3, 1953

Mr. W. T. Millar
Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
U. S. Department of the Interior
Defense Minerals Administration
College Park, Md.

Dear Mr. Millar:

Enclosed you will find five copies of Operator's Unit Cost and Progress Report Form MF-104A as well as five copies of Operator's Monthly Report and Voucher Form No. MF-104. This covers the period ending July 31, 1953 under Paris and Clifford Austin project, Docket No. D.M.E.A. 2757 and Contract No. Idm-E 449.

You may be interested to know that a drill rig is moving in on the Mill-Ledford Tract to commence work under Stage No. II., D.M.E.A. 2488, Contract No. IDM-E 255. A complete report will be made on this work at the end of August.

Very truly yours,

OZARK-MAHONING COMPANY
Mahoning Mining Division

E. A. Brecke

E. A. Brecke

Encls.

EAB:fbb

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
JUL 2 6 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 2757 Contract No. IM-Ell9
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $ 48,600.00 Government Participation: 50 % Amount, $ 24,300.00

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 - Churn	3292.65	11744.19	15036.84			
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	3292.65	11744.19	15036.84			

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

Date July 2, 1953 *Payee OZARK-MAHONING COMPANY

Per J. L. Cadden Title Asst. Sec-Treas.

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

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

(Instructions on reverse)

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

$ 1,646.33

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 7/15/53 Vou. No. DMEA-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. E 449 in accordance with the terms of the contract.

Signature R. L. Burmeister Title Mining Eng. Date 7/6/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. R. Miller Title Executive Officer Date 7/6/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R116
Approval expires 6-30-53.

RECEIVED
JUL 2 0 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 2757 Contract No. IDX-5119
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	3292.65	1355	15036.84	6188		20000	2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3292.65	1355	15036.84				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								48,600.

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

Date July 2, 1953 Operator OZARK-MAHONING COMPANY

Per J. L. Cadden Title Asst. Sec.-Treas.
J. L. Cadden and

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

July 2, 1953

PARIS AND CLIFFORD AUSTIN
SUPPLEMENTAL SHEET

JUNE 1953

Status of Holes Drilling and Completed:

Hole No. 25 - Completed at 675' (Prev. reported 545') Bal.	130'
Hole No. 26 - Drilling (Depth 6-30-53)	610'
Hole No. 27 - Drilling (Depth 6-30-53)	615'
Total - - - - - -	1355'

Attached to this report are copies of shiner drill hole No. 25. This hole was blank. The 100 ft. scale map which is also attached to this report shows the location of Holes No. 26 and 27 now drilling.

OZARK-MAPWOOD COMPANY

C. & P. Jewkes 171 Acres
Drill Hole No. 85
Elevation: 494.8
Location: 114' south and 254' west of the NE Corner of SE¼ of NW¼ of Sec. 28 or 15' south and 169' east of No. 23

Started: 5-8-53
Finished: 5-4-53

Water 30' strong
No lower water observed.

Drilled by: Moreland & Buhler
Examined by: L. A. Brecke
Casing: 20 feet

0-10	Surface
10-30	Subsilent sand and gravel
30-35	Brown shaly lime
35-70	Gray sand, few shaly partings
70-105	White sand
105-115	Gray sand, shaly partings
115-210	Gray and brown lime, shale streaks
210-215	Gray and maroon shale
215-290	Gray carbonaceous shale
290-335	Gray sand, shaly
335-405	White sand
405-460	Gray sand, slightly shaly
460-480	Gray shaly sand
480-490	White sand
490-495	" " , little gray lime Base of Bethel 494
495-515	Gray lime
515-550	Brown lime, little salvage
550-560	Dark brown lime, shaly
560-575	Lower O'Hara, very dark
575-595	Bagleiare sand
595-615	Light gray oolitic lime
615-630	" brown lime, little salvage
630-640	" " "
640-645	Dark brown lime
645-655	" " " some oolitic trace Fe
655-660	Dark brown lime, little sub-bagleiare sand
660-665	" " " , little gray oolitic lime
665-675	Light gray oolitic lime

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 May, 1953 Docket No. DMEA 2757 Contract No. IDM-E449
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $ 48,600.00 Government Participation: 50 % Amount, $ 24,300.00

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 - Churn	2515.05	9229.14	11744.19			
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	2515.05	9229.14	11744.19			

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

Date June 2, 1953 *Payee OZARK-MAHONING COMPANY

Per J. L. Cadden Title Ass't. Sec-Treas.

J. L. Cadden

*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:

$ 1,257.53

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 6/12/53 Vou. No. DMEA-42
(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. 4-E449 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng. Date 6-5-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Millar Title Executive Officer Date 6/5/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 2757 Contract No. IDM-E449
Operator's Name Ozark-Mahoning Company Minerals Fluor spar
Address Rosiclare, Illinois

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	2.43	2515.05	1035	11744.19	4833		20000	2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2515.05	1035	11744.19				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 June 2, 1953 Operator OZARK-MAHONING COMPANY

Per J. L. Cadden Title Ass't. Sec.-Treas.

J. L. Cadden

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

June 2, 1953

SUPPLEMENTAL SHEET

May 1953

Status of Holes Drilling & Completed:

Hole No. 23 - Completed 725' (Previously reported 640')	Bal.	85'
Hole No. 24 - Completed 700' (Previously reported 295')	Bal.	405
Hole No. 25 - Drilling (Depth 5/31/53)		545'
	Total - - - - -	1035'

Attached to this report are copies of churn drill holes No. 23 and 24. Both holes were hard. Hole No. 23 offered some encouragement inasmuch as strong live water, open ground and a few Pb shines were encountered near the Sub-Resiclare horizon. The 100 foot scale map which is also attached to this report shows the location of Holes No. 25 and 26, now drilling.

SHARK-MANNING COMPANY

C A P Austin 171 Acres
Drill Hole No. 23
Elevation: 535.6
Location: 180' south and 422' west of the NE Corner of the NE¼ of NW¼ of Sec. 26 or 12' south and 176' east of No. 21

Started: 4/2/53
Finished: 5/8/53

Water 150-155 Light
709 Strong Sulfur
Water stands @ 150'

Drilled by: Moreland and Mahler
Examined by: E. A. Wrenke
Casing: 50'

0-5	Surface
5-20	Oxidized white sand
20-30	" " " , shale streaks
30-35	Shaly sand
35-60	Gray crinoidal lime
60-80	Gray shaly lime
80-155	Gray sand
155-170	Gray shaly sand
170-190	Gray calcareous shale
190-250	Gray and brown lime, shale streaks
250-255	Gray and maroon shale
255-330	Gray shale, lime streaks
330-380	Gray sandy shale
380-435	White sand
435-465	Gray sand shaly
465-540	White sand
540-560	Gray lime
560-570	" " , little selvage
570-585	Brown lime, little selvage
585-610	Dark brown shaly lime
610-620	Lower O'Hara lime
620-644	Rockland sand
644-660	Light gray oily oolitic lime
660-665	Brown lime, sm. selvage
665-700	Light brown lime
700-705	Dark brown lime
705-710	" " " trace Pb
710-715	No cuttings, strong sulfur water
715-720	White oolitic lime, trace Pb
720-725	" " "

OZARK MAHONING COMPANY

C. & F. Austin 171 Acres

Drill Hole No. 24

Elevation: 521.3

Location: 85' south and 1266' west of the N.E. Corner of N.E. ¼ of N.W. ¼ of Sec. 26 or 6' south and 147' west of No. 22.

Drilled by: Moreland and Schlar

Examined by: R. A. Brooks

Casing: 12 '

Started 4-17-53

Finished 5-26-53

Water: 170 Lm.
225 Fair
425 Fair
620 Fair

0 - 8	Surface
8 - 15	Gr shale and lime
15 - 40	Light gray crinoidal lime
40 - 60	Gray and brown lime, shaly
60 - 95	Gray sand, shaly partings
95 - 135	White sand
135 - 145	Gray shaly sand
145 - 165	Gray shale
165 - 220	Gray and brown lime shale streaks
220 - 225	Gray shale
225 - 230	Gray and maroon shale
230 - 300	Gray shale, calcareous
300 - 355	Gray shale, sandy streaks
355 - 370	Brown sand
370 - 420	White sand
420 - 435	Gray shaly sand
435 - 475	Gray shally sand
475 - 515	White sand
515 - 520	" " , con. gray lime. Base of Bethel 519

520 - 540 Gray lime

540 - 545 Gray lime, green and red selvage

545 - 560 Brown lime, some selvage

560 - 580 Dark brown shaly lime

580 - 600 Brown oolitic lime, little green selvage

600 - 624 Ranielare sand

624 - 635 Light gray oily oolitic lime

635 - 645 Light brown lime, little selvage

645 - 675 Brown lime

675 - 685 Dark brown lime

685 - 690 " " " , some sub Ranielare sand

690 - 700 Light gray oolitic lime

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Bureau Budget No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration

RECEIVED
MAY 7 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 2757 Contract No. XIM-E149
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $ 48,600.00 Government Participation: 50 % Amount, $ 24,300.00

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 Churn	3171.15	6057.99	9229.14			
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	3171.15	6057.99	9229.14			

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

Date May 1, 1953 *Payee Ozark-Mahoning Company

Per J. L. Baddeen Title Ass't. Secy-Treas.

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

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

(Instructions on reverse)

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

$ 1,585.57

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 5/6/53 Vou. No. DMEA-37
(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. 1dmE449 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng. Date 5-4-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Millar Title Executive Officer Date 5/5/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-[illegible]4A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 7 1953

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

Month of April 195 3 Docket No. DMEA 2757 Contract No. IDM-R449
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	3171.15	1305	9229.14	3798		20000	2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3171.15	1305	9229.14				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 May 1, 1953 Operator Ozark-Mahoning Company

Per J. L. Baldwin Title Ass't. Sec.-Treas.

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

May 1, 1953

SUPPLEMENTAL SHEET

Clifford and Paris Austin

Status of Holes Drilling and Completed:

Hole No. 21	Completed 730' (Prev. reported 680')		Bal.	50 ft.
Hole No. 22	" 725' (Prev. reported 405')		Bal.	320 ft.
Hole No. 23	Drilling - Depth 4-30-53			640 ft.
Hole No. 24	" Depth 4-30-53			295 ft.
		Total - - - - - - -		1305 ft.

Attached to this report are copies of D. H. S. No. 21 and 22. These holes show no evidence of mineralization. The formations are running practically flat in all holes completed to date. The 100 foot scale map which is also attached shows the location of Holes No. 23 and 24, now drilling.

OZARK-MAHONING COMPANY

C. & P. Austin 171 acres
Drill Hole No. 21
Elevation: 549.5

Started 2-27-53
Finished 4-2-53

Water - 150 - 155 light
340 - 345 strong
465 - 470 "
590 - 595 "

Location: 88 ft. south and 600 ft. west of the N.E. Corner of N.E. ¼ of N.W. ¼ of Sec. 26 or 1149' east of No. 19.

Drilled by: Moreland and Mohler
Examined by: E. A. Brooks
Casing: 20 feet

0 - 10	Ox sand boulders
10 - 35	Gray sand
35 - 45	Gray shale, sand streaks
45 - 70	Gray crinoidal lime
70 - 85	Gray shale, lime streaks
85 - 90	" " , sandy
90 - 165	Gray sand
165 - 170	" " , shale streaks
170 - 200	Gray shale
200 - 260	Gray and brown lime, shaly
260 - 265	Gray shale
265 - 270	Gray and maroon shale
270 - 340	Gray shale, lime streaks
340 - 365	" " , sandy
365 - 410	Brown cypress sand
410 - 460	White sand
460 - 480	Gray sand shaly
480 - 515	Gray shally sand
515 - 550	White sand
550 - 555	" " , Con. gray lime. Base of Bethel 552
555 - 570	Gray lime
570 - 580	" " and green selvage

580 - 600 Brown lime, little selvage

600 - 625 Dark brown shaly lime

625 - 630 Lower O'Hara

630 - 650 Rosiclare sand

650 - 670 Light gray oolitic lime

670 - 680 Brown lime, some green selvage

680 - 700 Brown lime

700 - 720 Dark brown lime

720 - 725 Sub Rosiclare sand, some light gray oolitic lime

725 - 730 Light gray oolitic lime

OZARK-MAHONING COMPANY

C. and P. Austin 171 Acres

Started 3-10-53
Finished 4-17-53

Drill Hole No. 22
Elevation: 546.5
Location: 80 ft. south and 1098' west of the N.E. Corner of the N.E. ¼ of N.W. ¼ of Sec. 26 or 48' north and 152' west of No. 20.

Water: 135 ft. light
195 ft. "
260 - 330 Fair S.C.
455 - 465 " "
590 " "
Stands at 150 ft.

Drilled by: Moreland and Mehler
Examined by: S. A. Brecke
Casing 15'

0 - 6	Surface
6 - 30	Oxidized gray sand
30 - 35	Gray shale and oxidized sand
35 - 45	Gray sand shale streaks
45 - 65	Gray crinoidal lime
65 - 85	Gray shale lime streaks
85 - 125	Gray sand, shale partings
125 - 150	Gray sand
150 - 170	" " , shaly partings
170 - 200	Gray shale
200 - 260	Gray and brown lime, shale streaks
260 - 265	Gray shale
265 - 270	Gray and maroon shale
270 - 360	Gray shale, lime streaks
360 - 385	" " , sandy
385 - 445	White sand
445 - 460	Gray sand, shale streaks
460 - 505	Gray shally sand
505 - 545	White sand
545 - 550	" " , and gray lime. Base of Bethel Sh?
550 - 555	Gray lime
555 - 565	Gray lime, little green salvage
565 - 575	Green and red salvage, lime streaks

575 - 590 Brown lime, com. salvage

590 - 620 Dark brown shaly lime

620 - 630 Lower O'Hara lime, sandy and dark

630 - 653 Rosiclare sand

653 - 670 Light gray oily oolitic lime

670 - 675 Light brown lime, com. grade salvage

675 - 695 " " "

695 - 710 Dark brown lime

710 - 715 " " ", little sub Rosiclare sand

715 - 725 Light gray oolitic lime

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 22-R036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1953 Docket No. DMEA 2757 Contract No. III-149
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $48,600.00 Government Participation: 50 % Amount, $24,300.00

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 Churn	3061.80	2996.19	6057.99			
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	3061.80	2996.19	6057.99			

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

Date April 3, 1953 *Payee Ozark-Mahoning Company

Per J. L. Cadden Title Ass't. Secy.-Treas.

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

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

(Instructions on reverse)

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

$ 1,530.90

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 4/13/53 Vou. No. DMEA-34
(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. Idn E 449 in accordance with the terms of the contract.

Signature G. L. Neumann Title Mining Eng. Date 4-7-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. G. Miller Title Executive Officer Date 4/7/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195 3 Docket No. DMEA 2757 Contract No. R 1[illegible]-[illegible]9
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	3061.80	1260	6057.99	2493		20000	$2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3061.80	1260	6057.99				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date April 3, 1953 Operator Ozark-Mahoning Company

Per J. L. Cadden Title Ass't. Sec'y-Treas.
J. L. Cadden

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

SUPPLEMENTAL SHEET

March, 1953

Clifford and Paris Austin Tract

Status of Holes Drilling and Completed.

Hole No. 20	Completed 700 ft. (Previously Reported 525 ft.)	Balance	175 ft.
Hole No. 21	Drilling - Depth 3-31-53		680 ft.
Hole No. 22	Drilling - Depth 3-31-53		405 ft.
		Total	1260 ft.

Attached to this report is copy of Drill Log No. 20. This hole was similar to No. 19 and showed no evidence of mineralization. The 100 ft. scale map which is attached shows the location of the holes now drilling, No. 21 and 22.

STARK-MARCHITO COMPANY

C. & P. Austin 171 Acres
Drill Hole No. 20
Elevation: 526.6
Location: 129' south and 947' west of the N.E. Corner of N.E. ¼ of N.W. ¼ of Sec. 26 or 37' south and 208' west of No. 19

Started 1-31-53
Finished 3-10-53
Water 95' light
235' light
240 - 245 Fairly strong
345 Fairly Strong
550 " "
Stands at 135

Drilled by: Maryland and Nohler
Examined by: E. A. Brooks
Casing: 20 feet

0 - 10 Surface

10 - 20 Oxidized sandy shale

20 - 35 Gray crinoidal lime

35 - 60 Gray and brown lime, black shale streaks

60 - 100 Gray sand, shaly partings

100 - 135 Gray sand

135 - 140 " " slide

140 - 145 " " shaly partings

145 - 180 Gray shale

180 - 235 Gray and brown lime, shale streaks

235 - 240 Gray and maroon shale

240 - 310 Gray calcareous shale

310 - 320 Brown lime, shaly

320 - 360 Gray sand, shaly

360 - 365 Gray shale, some pyrite

365 - 425 White sand

425 - 440 Gray sand

440 - 520 White sand, some shaly streaks

520 - 525 " " , little gray lime. Base of Bethel 525

525 - 540 Gray lime

540 - 550 Green and red shale, lime streaks

550 - 575 Shale and salvage, lime streaks

575 - 595 Dark brown shaly lime

595 - 600 Lower O'Hara Lime.

600 - 627 Rosiclare sand

627 - 645 Light gray oolitic lime

645 - 650 " " lime, some green shavings

650 - 670 Brown lime

670 - 685 Dark brown lime

685 - 690 " " " , little Sub Rosiclare sand

690 - 695 " " " , little Sub Rosiclare and light gray oolitic lime

695 - 700 Light gray oolitic lime

Form 51-104 (Rev.)
(Apr. 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 13 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1953 Docket No. DMEA 2757 Contract No. IDM-Flu9
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois
Contract Amount, $48,600.00 Government Participation: 50% Amount, $24,300.00

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 - Churn	2996.19	None	2996.19			
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	2996.19	None	2996.19			

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

Date March 4, 1953 Payee OZARK-MAHONING COMPANY

Per J. L. Cadden Title Ass't. Sec'y.-Treas.

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

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

(Instructions on reverse)

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

$ 1,498.10

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 3/12/53 Vou. No. DMEA-29
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E-449 in accordance with the terms of the contract.

Signature M. Gilentan Title Mining Engineer Date March 9, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Acting Exec Officer Date 3/9/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ME-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
MAR 13 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Feb. 195 3 Docket No. DMEA 2757 Contract No. DPM-1449
Operator's Name Ozark-Mahoning Company Minerals Fluorspar
Address Rosiclare, Illinois

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	2.43	2996.19	1233	2996.19			20000	$2.43
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2996.19	1233	2996.19				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 March 4, 1953 Operator OZARK-MAHONING COMPANY

Per J. L. Cadden Title Ass't. Sec'y-Treas.

J. L. Cadden

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

Mar[illegible]4, 1953

SUPPLEMENTAL SHEET

February 1953

Clifford & Paris Austin Tract

Status of Holes Drilling and Completed

#19 Completed	708'
#20 Drilling (Depth 2-28-53)	525'
Total	1233'

Attached to this report is Drill Log No. 19 which is the first hole completed under Cont. IDM-Ehh9. This hole showed no mineralization. Prior to this project eighteen holes had been drilled on the property by other operators. Hence the reason for designating the first hole under this project as No. 19. Two drills are operating at this time. The 100' scale map which is attached shows the location of No. 19, as well as location of No. 20 and 21, now drilling.

OZARK-MARONING COMPANY

C. & P. Austin 171 Acres

Started 1-10-53

Drill Hole No. 19

Finished: 2-27-53

Elevation: 518.4

Water: 175 - 180 light
350 - 355 strong
Stands at 180 ft.

Location: 90 ft. south and 746' west of N.E. ¼ of N.W. ¼ of Sec. 24, Twp. 11 S., Range 9 E.

Drilled by: Morelmd and Mahler

Examined by: E. A. Brooks

Casing: 15 ft.

0 - 10	Surface
10 - 17	Oxidized sand
17 - 40	Light gray crinoidal lime
40 - 55	Gray and brown lime, shale streaks
55 - 135	Gray fine grained sand
135 - 145	Gray shaly sand
145 - 175	Black shale, few sand streaks
175 - 215	" " , lime streaks
215 - 225	Gray lime
225 - 230	Gray shale
230 - 245	" " , little maroon shale.
245 - 305	" " , lime streaks
305 - 310	Gray sandy shale
310 - 375	Gray sand, shale streaks
375 - 430	White sand
430 - 440	Gray sand, shale streaks
440 - 480	Gray sand slightly shelly
480 - 520	White sand. Base of Bethel 520
520 - 535	Gray lime
535 - 560	Gray and brown lime, little selvage.

560 - 570	Shale and selvage, lime streaks
570 - 590	Dark brown shaly lime
590 - 620	Rosiclare sand
620 - 640	Light gray oolitic lime
640 - 650	Gray and brown lime, sem. green selvage
650 - 660	Light brown lime
660 - 680	Dark brown lime
680 - 690	" " " , some Sub Rosiclare sand
690 - 695	Light gray oily oolitic lime
695 - 708	Light gray oolitic lime

C
O
P
Y

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

January 8, 1954

Mr. J. G. Trewartha, Vice President
Ozark-Mahoning Company
Rosiclare, Illinois

Re: Docket No. DMEA-2757 - Fluorspar
C. & P. Austin Tract
Hardin County, Illinois
Contract No. Idm-E449

Dear Mr. Trewartha:

This is with reference to the subject Exploration Contract between the Ozark-Mahoning Company and the Government.

The final audit of the contract and the final reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $48,600 approved under the contract, the sum of $20,151.99 was expended, 50 percent of which, or $10,076.00, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 5 (d) of the contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract".

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

Sincerely yours,

/s/ C. O. Mittendorf

Administrator

JTRobertson:gad 1/6/54
Copy to: Admr. R. File
Docket File
Field Team, Reg. 7
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Government's Copy

Defense Minerals Administration
RECEIVED
NOV 19 1953

TERMINATION OF EXPLORATION PROJECT CONTRACT BY AGREEMENT AFTER COMMENCEMENT BUT BEFORE COMPLETION OF THE WORK

It is agreed this 12 day of November, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ozark-Mahoning Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E449, Docket No. DMEA-2757, dated November 18, 1952, that the said contract shall be and is hereby terminated as of the first date above written.

Any work prosecuted or costs incurred by the Operator after the date first above written shall be for the sole account of the Operator.

The undersigned Operator hereby releases and agrees to save harmless the Government from all claims and demands under or arising out of said Exploration Project Contract, except as herein expressly otherwise provided.

Witness the following signatures as of the day and year first above written.

THE UNITED STATES OF AMERICA

By W. J. Miller
Executive Officer, Defense Minerals Exploration Administration Field Team Region VIII

OZARK-MAHONING COMPANY

By J. G. Truwaitha Vice Pres

Doc[redacted] No. [redacted]

Commodity [redacted]

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

[redacted]

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-R [redacted]

Date of Contract or Amendment: [redacted]

Name and Address of Operator:

[redacted]

Amount of Government participation [redacted]

Percent of Government participation [redacted] %

Region: [redacted] State: [redacted]

[redacted]

(Name)

for [redacted]

(Title)

[redacted]

Date Delivered to Bureau of Mines, Washington.

13808

Docket No. DMEA 2757

Commodity Fluorspar

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 449

Date of Contract ~~or Amendment~~ November 18, 1952

Name and Address of Operator:
Ozark-Mahoning Co.
Rosiclare, Illinois

Amount of Government participation $24,300.00

Percent of Government participation 50 %

Region: VIII State: Illinois

(Name)

E. D. Talbert,
Acting Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. Nov. 18, 1952 13808

MF-200 (A)
(February 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DOCKET NO. DMEA 2757

COMMODITY Fluorspar

Government's Copy

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

IDM-E 449

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 18th day of November, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Ozark-Mahoning Company, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware Rosiclare, Illinois

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to the mineral and mining rights in that certain land situated in the State of Illinois, County of Hardin, described as ~~follows~~[3] set forth in Annex I attached hereto and made a part hereof

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner in possession and entitled to possession and that the property is subject only to the following liens, liens or encumbrances as to each of which the subordination agreement of the holder is attached~~

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within ninety (90) days from the date of this contract shall commence work on a project of exploration for[5] fluorspar in or upon the described land; and shall bring the project to completion within a period of 24 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay fifty percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $24,300.00 which is 50 percent of $48,600.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

Ozark-Mahoning Company
(Operator)

By J. G. Trewartha

THE UNITED STATES OF AMERICA

By O. Mitteudorf
Administrator, Defense
Minerals Exploration
Administration

I, J. L. Cadden, certify that I am the Assistant secretary of the corporation named as Operator herein; that J. G. Trewartha, who signed this contract on behalf of the Operator, was then Vice President of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

J. L. Cadden

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXPLORATION PROJECT CONTRACT
OZARK-MAHONING COMPANY
DOCKET NO. DMEA-2757

ANNEX I

The land referred to in Article 2 consists of the following:

The SW$\frac{1}{4}$ of the NW$\frac{1}{4}$ and the NW$\frac{1}{4}$ of the SW$\frac{1}{4}$ of Section Twenty-six (26); the NE$\frac{1}{4}$ of the SE$\frac{1}{4}$, except one (1) acre for school lot in the northwest corner, and twelve (12) acres in the northeast part of the SE$\frac{1}{4}$ of the SE$\frac{1}{4}$ of Section twenty-seven (27) all in T 11 S, R 9 E, containing in the aggregate one hundred thirty-one (131) acres, more or less, and the NE$\frac{1}{4}$ of the NW$\frac{1}{4}$ of Section 26 T 11 S, R 9 E, situated in said Hardin County.

EXPLORATION PROJECT CONTRACT
OZARK-MAHONING COMPANY
DOCKET NO. DMEA-2757

EXHIBIT "A"

Description of the Work

The project shall consist of testing for fluorspar, by means of churn-drill holes, the tract of land designated as the "C. & P. Austin 171 Ac Tract" on the map entitled "DMEA-2757, Ozark-Mahoning Co. Map of C. & P. Austin Tract and Surrounding Acreage, T 11 S R 9 E., Hardin County, Illinois," attached hereto and made a part hereof.

The first holes to be drilled shall be located approximately 150 ft. apart, along an east-west line about 100 ft. south of the north line of the N.E.$\frac{1}{4}$ of the N.W.$\frac{1}{4}$ of Section 26 shown on the map as "Proposed Cross-Cut."

The spotting and spacing of the holes shall be governed by the judgment of the Operator's supervising engineers and geologists subject to the following limitations:

1. The total footage drilled shall not exceed 20,000 ft.

2. No hole shall be deeper than 900 ft.

3. No hole shall be drilled closer than 60 ft.to the nearest completed hole.

4. Deviation from the above three over-all limitations may be made with the approval of the Executive Officer of the DMEA Field Team, Region VIII.

AGREED ESTIMATED COSTS

20,000 ft. of churn drilling @ $2.43 per ft. 1/		$48,600.00
Total Cost of the Project	$48,600.00	
Government Participation @ 50%	$24,300.00	

1/ This includes the cost of a geologist, clerical staff, and assaying.

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Illinois, County of Hardin, described as follows:1/

The SW¼ of the NW¼ and the NW¼ of the SW¼ of Section Twenty-six (26); the NE¼ of the SE¼, except one (1) acre for school lot in the northwest corner, and twelve (12) acres in the northeast part of the SE¼ of the SE¼ of Section twenty-seven (27) all in T 11 S, R 9 E, containing in the aggregate one hundred thirty-one (131) acres, more or less, and the NE¼ of the NW¼ of Section 26 T 11 S, R 9 E, situated in said Hardin County.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Ozark-Mahoning Company, Rosiclare, Illinois, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware,

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 24,300.00, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 13 day of Dec., 195 2

Paris Austin [Seal]
Paris Austin

Clifford Austin [Seal]
Clifford Austin

[Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

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(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

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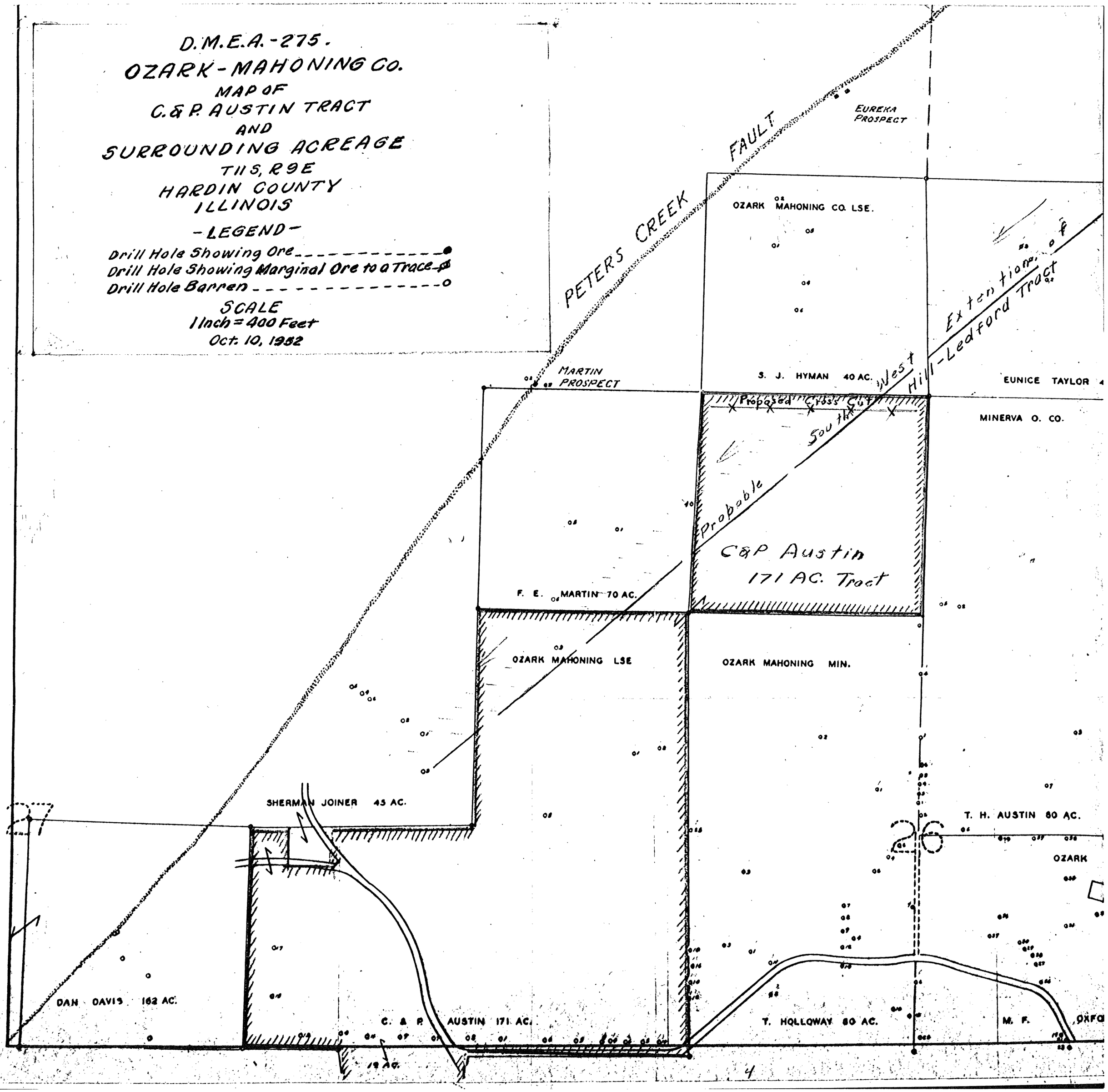
D.M.E.A.-275.
OZARK-MAHONING CO.
MAP OF
C.&P. AUSTIN TRACT
AND
SURROUNDING ACREAGE
T11S, R9E
HARDIN COUNTY
ILLINOIS
-LEGEND-
Drill Hole Showing Ore
Drill Hole Showing Marginal Ore to a Trace
Drill Hole Barren
SCALE
1 Inch = 400 Feet
Oct. 10, 1952
PETERS CREEK FAULT
EUREKA PROSPECT
OZARK MAHONING CO. LSE.
Extension of West Hill-Ledford Tract
MARTIN PROSPECT
S. J. HYMAN 40 AC.
EUNICE TAYLOR
Proposed Cross Cut
South
MINERVA O. CO.
Probable
C&P Austin
171 AC. Tract
F. E. MARTIN 70 AC.
OZARK MAHONING LSE
OZARK MAHONING MIN.
SHERMAN JOINER 45 AC.
T. H. AUSTIN 80 AC.
OZARK
DAN DAVIS 162 AC.
C. & P. AUSTIN 171 AC.
T. HOLLOWAY 80 AC.
M. F.
OXFO
19 AC.
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